



Government of India  
Ministry of Environment, Forest and Climate Change  
(Impact Assessment Division)

To,

The Director  
RESOURCES PELLETS CONCENTRATES PRIVATE LIMITED (RPCL)  
No. 2198, BKG House, KHB Colony, Sandur, Ballary district, Karnataka -  
583119,,Bellary,Karnataka-583119

**Subject:** Grant of Environmental Clearance (EC) to the proposed Project Activity  
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)  
in respect of project submitted to the Ministry vide proposal number  
IA/KA/IND1/408033/2022 dated 08 Dec 2022. The particulars of the environmental  
clearance granted to the project are as below.

- |   |   |
|---|---|
| 1. EC Identification No.                      | EC23A008KA163015  |
| 2. File No.                                   | IA-J-11011/39/2021-IA.II(IND-I)   |
| 3. Project Type                               | New   |
| 4. Category                                   | A   |
| 5. Project/Activity including<br>Schedule No. | 3(a) Metallurgical industries (ferrous &<br>non ferrous)                  |
| 6. Name of Project                            | 3.2 MTPA Pellet Plant and 3.6 MTPA<br>Pellet feed cum Beneficiation Plant |
| 7. Name of Company/Organization               | RESOURCES PELLETS<br>CONCENTRATES PRIVATE LIMITED<br>(RPCL)               |
| 8. Location of Project                        | Karnataka   |
| 9. TOR Date                                   | N/A   |

The project details along with terms and conditions are appended herewith from page  
no 2 onwards.

Date: 30/01/2023

(e-signed)  
Dr. R. B. Lal  
Scientist F  
IA - (Industrial Projects - 1 sector)

*Note: A valid environmental clearance shall be one that has EC identification  
number & E-Sign generated from PARIVESH. Please quote identification  
number in all future correspondence.*

*This is a computer generated cover page.*



**F. No. IA-J-11011/39/2021-IA.II(IND-I)**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**(I.A. Division – Industry I sector)**

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Indira Paryavaran Bhawan  
Vayu Wing, 3<sup>rd</sup> Floor,  
Jor Bagh Road, Aliganj,  
New Delhi – 110003

**Dated: 30<sup>th</sup> January, 2023**

To,

**M/s Resources Pellets Concentrates Private Limited (RPCL)**  
2<sup>nd</sup> Floor, 53, Empire Towers, Railway Parallel Road,  
Kumara Park, West, Bengaluru Urban,  
Karnataka – 560 020  
Email: [umesh.bhat@rpcl.in](mailto:umesh.bhat@rpcl.in)

**Project: Setting of 3.2 MTPA Pellet Plant (PP) and 3.6 MTPA Pellet feed cum Beneficiation Plant (BP) by M/s. Resources Pellets Concentrates Private Limited (RPCL), located at Somalapura Village, Sandur Taluk, Bellary District, Karnataka – Grant of Environmental Clearance-regarding.**

Sir,

This refers to your proposal no. IA/KA/IND1/408033/2022 Dated 26.11.2022 along with copy of EIA/EMP Report, Form seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. Further, PP has uploaded the information on parivesh portal vide letter dated 04.01.2023 on 06.01.2023 regarding non involvement of Forest Land.

2. The proposed project activity is listed at S. No. **3(a) Metallurgical Industries (ferrous & non-ferrous) and 2(b) Mineral Beneficiation under Category “A”** of the schedule of the EIA Notification, 2006.

3. The above-mentioned proposal has been considered in **19<sup>th</sup> meeting of Expert Appraisal Committee (Industry-1 Sector) held on December 16 & 19, 2022.** The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>

4. 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 as under: -

S. No.	Particulars	Details submitted by PP
a.	Terms of Reference for undertaking EIA study	26 <sup>th</sup> February 2021
b.	Period of baseline data collection	March to May 2021
c.	Date of Public Consultation	22 <sup>nd</sup> April 2022
d.	Action plan to address the PH issues	An amount of Rs. 4 Cr has been earmarked to address the issues raised during public hearing. Detail of activities proposed attached as <b>Annexure 1.</b>

S. No.	Particulars	Details submitted by PP																		
e.	Location of the project	Somalapura Village, Sandur Taluk, Bellary District, Karnataka																		
f.	Latitude and Longitude of the project site	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Co-ordinates</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Lat: 15°02'23.26" N, Long: 76°30'13.41"E</td> </tr> <tr> <td>2</td> <td>Lat: 15°02'00.16" N, Long: 76°30'36.91"E</td> </tr> <tr> <td>3</td> <td>Lat: 15°01'42.91" N, Long: 76°30'34.82"E</td> </tr> <tr> <td>4</td> <td>Lat: 15°01'32.98" N, Long: 76°30'50.02"E</td> </tr> <tr> <td>5</td> <td>Lat: 15°01'17.37" N, Long: 76°30'55.62"E</td> </tr> <tr> <td>6</td> <td>Lat: 15°01'09.54" N, Long: 76°30'25.04"E</td> </tr> <tr> <td>7</td> <td>Lat: 15°01'26.96" N, Long: 76°30'23.79"E</td> </tr> <tr> <td>8</td> <td>Lat: 15°01'35.02" N, Long: 76°30'12.56"E</td> </tr> </tbody> </table>	S. No.	Co-ordinates	1	Lat: 15°02'23.26" N, Long: 76°30'13.41"E	2	Lat: 15°02'00.16" N, Long: 76°30'36.91"E	3	Lat: 15°01'42.91" N, Long: 76°30'34.82"E	4	Lat: 15°01'32.98" N, Long: 76°30'50.02"E	5	Lat: 15°01'17.37" N, Long: 76°30'55.62"E	6	Lat: 15°01'09.54" N, Long: 76°30'25.04"E	7	Lat: 15°01'26.96" N, Long: 76°30'23.79"E	8	Lat: 15°01'35.02" N, Long: 76°30'12.56"E
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g.	Total land	178.46 ha (Agriculture land: 26.7 ha; Grazing land: 38 ha and Fallow land: 113.76 ha)																		
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Out of 178.46 ha, 116.94 ha acquired already and balance 61.52 is under process of acquisition through KIADB.																		
i.	Existence of habitation & involvement of R&R, if any	<b>Project site:</b> No habitation exists in the plant site. R&R not applicable. <b>Study Area:</b> The Somallapura and Yeshwantnagara villages are located adjacent i.e. by 1 km distance from the edges of the plant and tailing disposal area.																		
j.	Elevation of the project site	625 to 655 M above mean sea level																		
k.	Involvement of Forest land if any.	No Forest Land is involved. PP has also submitted a letter of State Forest Department dated 29.12.2022 which was uploaded by PP on 06.01.2023 certifying that the proposed project site does not fall in the forest land.																		
l.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	<b>Project Site:</b> One seasonal drain in pellet plant area and two seasonal drain in tailings disposal area. <b>Study area:</b> Narihalla stream is passing in the western direction of project site at about 1.5km. Few ponds are located within the study area.																		
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Environment Sensitive Area (ESA) as Kumaraswamy temple is located at about 6.06 km from project site in eastern direction.  About 9 reserved forests are located within the study area of 10 km radius from project site. The details of forest are given below: 1) Kumaraswamy Betta RF - Adjacent, East 2) Somalapura RF - ~0.8 km West-South-West 3) Bandri RF Extension - ~4 km North-West 4) Ramangarh RF - ~1.5 km North 5) Sivapura RF Extension - ~9 km South-West 6) Tumaraguddi RF - ~6 km South-East 7) SM block RF - ~9.5 km South-East 8) Keriyaгинahalli RF extension - ~9.5 km South-West																		

S. No.	Particulars	Details submitted by PP
		9) Donimalai RF - 10 km, North-East
n.	Project cost	The capital cost of the proposed project is Rs. 2000 Crore
o.	EMP cost	The capital cost for environmental protection measures is proposed as Rs. 200 Crore. The annual recurring cost towards the environmental protection measures is proposed as Rs. 20 Crore.
p.	Employment opportunity	The employment generation from the proposed project is 534 nos.
q.	Water and Power requirement	Water requirement for the proposed project is estimated as 5397 m <sup>3</sup> /day, out of which 3919 m <sup>3</sup> /day of fresh water requirement will be obtained from the Tunga Bhadra Dam and the remaining requirement of 1478 m <sup>3</sup> /day will be met from the rainwater harvesting facilities. The permission for drawl of surface water is obtained from Karnataka Irrigation Corporation Ltd. vides letter no.J.Sam.E21 MTP 2020 dated 23.02.2021.  The power requirement for the proposed project is estimated as 32.6 MVA.

**Unit configuration and capacity:**

S. No.	Name	Proposed Units		Total
		Configuration	Production TPA	
1.	Pellet Plant	3.2 MTPA	3200000	3.2 MTPA
2.	Beneficiation Plant	3.6 MTPA	3600000	3.6 MTPA

5. The EAC, in its meeting held during **December 16 & 19, 2022**, inter-alia, deliberated the following:

- i. The instant proposal is for setting up of a new Pellet and Pellet cum Beneficiation plant for production of 3.2 MTPA Pellets and 3.6 MTPA pellet feed cum Beneficiation plant.
- ii. The Committee further noted the following from the subcommittee's site visit report:
  - Ancient Temple of Kumarswami and Narsimha swami temple was located after two consequent hillocks of about 1200 m height (above MSL) at a distance of approx. >6.50 km from the project site. The Chimney height is around 80 M in the project area. The project area is about 650 above MSL.
  - Seasonal drains/Nallah of about 2-5 m width were observed within the proposed project site. Diversion of about 350 m Nallah may be needed within the project site. The Narihalla stream is passing in the western direction of project site at about 1.5km. Few ponds are located within the study area. The EAC is of the opinion that the water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be implemented.
  - About 1500000 TPA solid waste (Tailings) will be generated from the beneficiation plant that shall be stacked in a disposal area.
- iii. The total project area is about 178.46 ha. Out of 178.46 ha, 116.94 ha acquired already and balance 61.52 is under process of acquisition through KIADB.
- iv. Somalapura (Population: 863 nos) and Yeshwantnagara (Population: 6847 nos) are in close proximity to the project site.

- v. The total water requirement for the project is estimated as 6600 m<sup>3</sup>/day, which will be obtained from Tunga Bhadra Dam.
- vi. The PP has reported that about 119 trees are identified to be felled in the proposed site for which Assistant Conservator of Forest, Bellary Sub-division had visited the project site and given the tree felling permission vide their letter dated 02.02.2022.
- vii. Schedule I fauna like Leopard, Sloth bear, Peafowl, Shikra, Monitor lizard and Python are available in the study area as per working plan of forest department. Wildlife conservation plan along with funding provision is prepared and submitted to Deputy Conservator of Forest Bellary division for approval.
- viii. The Committee has also found that the baseline data and incremental GLC due to the proposed project within NAAQ standards.
- ix. The Committee deliberated on the action plan and budget allocation for green belt development and found it satisfactory.
- x. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
- xi. The Committee also deliberated on the public hearing issues along with action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.
- xii. The EAC also deliberated on the representation dated 30.08.2022 received against the project raising objection for issuance of EC for 3.2 MTPA pellet Plant to M/s RPCL, Sandur, Karnataka and taking into account the submission of PP along with site visit of sub-committee (Industry-1) found it satisfactory.
- xiii. The EAC observed that as per decision support system, one very small piece of land in the proposed site was apparently visible as forest land. The PP confirmed that there is no forest land in the proposed site. The EAC is of the view that as the decision support system is a guiding tool, PP may be asked to recheck and verify it. Further, before commencing any activity, PP should ensure that no forest land is proposed in the project area. The EAC deliberated on the written representation of the PP and is of the view that PP shall submit clarification/NOC from the State Forest Department that the proposed project site does not fall in the forest land.
- xiv. 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.
- xv. 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.

6. The proposal [no. IA/KA/IND/225778/2021, dated 18.08.2022] was initially considered in 12th meeting of EAC (Industry-1) held on 30-31st August, 2022 wherein the Proposal was deferred and the Committee also recommended for site visit. Accordingly, the sub-committee conducted a site visit on 22nd September, 2022. Further, based on the report submitted by the sub-committee and information submitted by PP, the proposal was re-considered by the EAC (Industry 1) in its meeting of the EAC for Industry-I sector held on 14-16th November, 2022 wherein the EAC, returned the proposal in its present form to address the technical/factual errors observed in the proposal form on



PARIVESH and the documents submitted by project proponent and submit the updated EIA/EMP report along with all the details after rectification of the issues. In this context PP has submitted the revised project [Proposal No. IA/KA/IND1/408033/2022] and accordingly the proposal was placed before the EAC in its meeting held on December 16 & 19, 2022.

7. The EAC, in its **19<sup>th</sup> meeting of Expert Appraisal Committee (Industry-1 Sector) held on December 16 & 19, 2022**, 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 conditions as detailed in the point below.

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 Resources Pellets Concentrates Private Limited (RPCL)** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:

**A. Specific Conditions:**

- i. 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.
- ii. The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- iii. **No diversion of any stream or nallaha shall be permitted in 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.**
- iv. Somalapura (Population: 863 nos.) and Yeshwantnagara (Population: 6847 nos.) are in close proximity to the project site. Project Proponent shall prepare and implement an action plan for environmental safeguard measures to minimise the impact on the habitation of the locals. The company shall also include these locations in its environmental monitoring programme.
- v. Tailings from Iron Ore beneficiation plant shall be dewatered in filter press and no slime /tailing pond shall be permitted.
- vi. 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.
- vii. Three tier Green Belt shall be developed in a time frame of one year with native species all along the periphery of the project site 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. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
- viii. There are around 190 nos. of trees proposed to be felled at the project site. PP shall explore the possibility to limit the tree felling to bare minimum and with the permission from Competent Authority. The compensatory afforestation shall be done as per the guidelines of the Forest Department.
- ix. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

- x. 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.
- xi. Dust emission from all the stacks shall be less than 30 mg/Nm<sup>3</sup>.
- xii. 6600 m<sup>3</sup>/day of water requirement shall be met from Tunga Bhadra Dam. No ground water abstraction is permitted for expansion project.
- xiii. Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
- xiv. The proposed project shall be designed as "Zero Liquid Discharge" Plant. No waste water will be discharged outside the plant boundary.
- xv. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- xvi. All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
- xvii. 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 guideline issued by the CPCB in this regard is available at <https://cpcb.nic.in/technical-guidelines-3/>. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
- xviii. 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.
- xix. The PP shall obtain a certificate from the State Forest Department that the project site doesn't have any forest land before commencing of the activities.
- xx. 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.

## **B. General conditions**

### **I. Statutory compliance:**

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

### **II. Air quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQS) 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.
- ii. 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.
- iii. Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.
- iv. 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.
- v. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vi. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- vii. 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.
- viii. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- ix. 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).
- x. Land-based APC system shall be installed to control coke pushing emissions.
- xi. 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.
- xii. 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.
- xiii. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.



- xiv. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

### **III. Water quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31<sup>st</sup> March 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30<sup>th</sup> May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7<sup>th</sup> December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iv. 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.
- v. Tyre washing facilities shall be provided at the entrance of the plant gates.
- vi. Water meters shall be provided at the inlet to all unit processes in the steel plants.

### **IV. Noise monitoring and prevention**

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

### **V. Energy Conservation measures**

- i. Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
- ii. Restrict Gas flaring to < 1%.
- iii. 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;
- iv. Provide LED lights in their offices and residential areas.
- v. Ensure installation of regenerative/recuperative type burners on all reheating furnaces.

### **VI. Waste management**

- i. 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.
- ii. Kitchen waste shall be composted or converted to biogas for further use.

## **VII. Green Belt**

- i. Green belt shall be developed in an area equal to 33% of the plant area with native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant
- ii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration by trees in the plant premises.
- iii. 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 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 monitorable with defined time frames.

## **VIII. Public hearing and Human health issues**

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
- iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

## **IX. Environment Management**

- i. 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.
- ii. 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.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

## **X. Miscellaneous**

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant

offices of the Government who in turn has to display the same for 30 days from the date of receipt.

- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- ix. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- x. 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.
- xi. 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.

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.

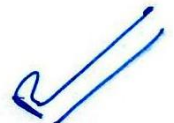


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**Encl. as above at Annexure –I**

**Copy to: -**

1. The Secretary, Department of Forest, Environment & Ecology, Government of Karnataka, Room No. 708, Gate 2, Multi Storey Building, Dr. Ambedkar Veedhi, Bangalore -560 001.
2. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi
3. The Member Secretary, Karnataka State Pollution Control Board, No. 25, 6– 9<sup>th</sup> Floor, Public Utility Building, M.G. Road, Bangalore – 560 001.
4. The Deputy Director General of Forests (C), Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Kendriya Sadan, 4<sup>th</sup> Floor, E&F Wings, 17<sup>th</sup> Main Road, Koramangala II Block, Bangalore - 560034
5. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
6. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
7. The Chief Wildlife Warden, Govt. of Karnataka, Aranya Bhawan, 18<sup>th</sup> Cross, Malleswaram, Bangalore-560003
8. District Collector, Bellary, District, Karnataka.
9. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
10. Guard File/Monitoring File/Website/Record File/Parivesh Portal.



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

Sl. No.	Issues raised during Public Hearing	Commitment by project proponent	Action Plan	Time frame and budget in lakhs					
				1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year	5 <sup>th</sup> year	Total
1	Employment generation and area development	<p>About 1000 and 534 persons will be employed during construction and operation respectively. Mostly it will be sourced from the nearby villages.</p> <p>Development of surrounding villages will be carried out through CER activities during the construction period of 60 months.</p> <p>Further, the development of surrounding areas will be strengthened by CSR funds every year during operation of the plant.</p>	-	-	-	-	-	-	-
			(i) <b>Drinking water facilities</b> like installation of RO plants and drilling of bore wells etc.	31	31	27	18	18	<b>125</b>
			(ii) <b>Sanitation facilities to villagers</b> like construction of bathrooms and toilets including soak pits etc.	58	58	54	40	40	<b>250</b>
			(iii) <b>Health camps and awareness programs</b> in the villages like free medical check-up, providing sanitary pads, free eye cataract surgery, awareness session on health and hygiene etc.	23	23	22	16	16	<b>100</b>
			(iv) <b>Agricultural livelihood enhancement activities</b> like supply of seeds, fertilizers, farming equipment etc	23	23	22	16	16	<b>100</b>
			(v) <b>Development of infrastructure facilities</b> like construction of roads, bridges, schools, providing solar street lights, community halls etc.	340	340	320	200	200	<b>1400</b>
			(vi) <b>Avenue plantation, plantation in community areas, desilting of existing ponds, rainwater harvesting facilities etc.</b>	120	120	110	75	75	<b>500</b>
(vii) <b>Education facilities</b>	25	25	20	20	10	<b>100</b>			
				120	120	100	40	20	<b>400</b>



Sl. No.	Issues raised during Public Hearing	Commitment by project proponent	Action Plan	Time frame and budget in lakhs					
				1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year	5 <sup>th</sup> year	Total
			<p><b>and skill development</b> program like providing donation to schools for building constructions, distribution of note books to students, distribution of furniture's &amp; laptops, renovation of washrooms in village schools, evening tuition classes for poor students, skill development programs etc.</p> <p>(viii) <b>Additional amount of Rs. 4 Crore against adoption of two more villages</b> like Ankamanallu and Dharmapur besides the two nearest ones Somalapura and Yeshwantnagara for carrying out social development activities.</p>						
2	Education for local	An amount of Rs. 100 lakhs are earmarked against the CER head of Education and skill development for local peoples.	Mentioned above in point no. (vii)	25	25	20	20	15	<b>100</b>
3	Issues on Pollution	<p>During construction, the measures like wetting of the roads, green belt development, erection of wind curtains and controlled vehicle movement will bring down the fugitive emissions level.</p> <p>Further, a modelling has been carried out to predict the fugitive dust generation during construction and the highest GLC values are occurring within the project site only and also the values are well within the</p>	About Rs. 188 Crore is planned to be spent towards pollution control equipment, Rs. 12 Crore is planned to be spent on monitoring system and about Rs. 20 Crore is likely to be incurred towards recurring cost.	-	-	-	-	-	-

Sl. No.	Issues raised during Public Hearing	Commitment by project proponent	Action Plan	Time frame and budget in lakhs					
				1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year	5 <sup>th</sup> year	Total
		<p>AAQ norms.</p> <p>In addition, the nearest villages are Yeshwantnagara and Somalapura from project site. The width of the plantations in the project boundary near villages are about 50m is envisaged to reduce the impact through fugitive dust.</p> <p><b><u>During operation:</u></b></p> <p>To control air pollutions during operation various environmental pollution control measures are adopted in the proposed project like Dust Extraction systems, suitable stack heights, ESP's, Dry fog dust suppression system/secondary dust extraction system, hood extraction, bag filters, water spray as suitable to site, covered conveyors, Process Flue gas cleaning, water sprinklers in tailing disposal area etc. are adopted.</p>							

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