



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

To,

The Vice President
SAGAR CEMENT (R) LTD
Plot No. 111, Road No. 10, Jubilee Hills,
Hyderabad,,Hyderabad,Telangana-500033

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/AP/IND/263638/2018 dated 06 Sep 2022. The particulars of the environmental clearance granted to the project are as below.

- EC Identification No.** EC22A009AP157073
- File No.** IA-J-11011/421/2017-IA.II(IND-I)
- Project Type** Expansion
- Category** A
- Project/Activity including Schedule No.** 3(b) Cement plants
- Name of Project** Expansion of Cement Plant with Clinker Production from 0.75 MTPA to 3.00 MTPA, Cement from 0.95 MTPA to 4.00 MTPA and captive Power plant from 25 MW to 40 MW (Installation of Waste Heat Recovery Boile
- Name of Company/Organization** SAGAR CEMENT (R) LTD
- Location of Project** Andhra Pradesh
- TOR Date** 20 Dec 2018

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

Date: 31/10/2022

(e-signed)
Dr. R. B. Lal
Scientist E
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.

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F. No. J-11011/421/2017 IA II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division – Industry I sector)

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

Dated: 31st October, 2022

To,

M/s Sagar Cements (R) Limited
Plot No. 111, Road No. 10,
Jubilee Hills, Khairatabad,
Hyderabad, Telangana-500033
Email: bspraju@sagarcements.in

Project: Expansion of Cement Plant with Clinker Production from 0.75 MTPA to 3.00 MTPA, Cement from 0.95 MTPA to 4.00 MTPA and captive Power plant from 25 MW to 40 MW (Installation of Waste Heat Recovery Boiler: 15 MW) by M/s Sagar Cements (R) Limited, located at Gudipadu Village, Yadiki Mandal, Anantapur District, Andhra Pradesh –Grant of Environmental Clearance regarding.

Sir,

This refers to your proposal no. **IA/AP/IND/263638/2018 dated 06.09.2022** received through PARIVESH Portal for grant of **Environmental Clearance (EC)** for the project mentioned above. Further, the Project proponent has uploaded the information on parivesh portal on 11.10.2022.

2. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered under category 'A' of schedule no. **3(b) Cement Plants** and appraised at Central Level.

3. The above-mentioned proposal has been considered in **13th meeting of Expert Appraisal Committee (Industry-1 Sector) held on 14-15th September, 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
a.	Terms of Reference for undertaking EIA study	22.04.2020
b.	Period of baseline data collection	Winter Season, 2019-2020
c.	Date of Public Consultation	07.01.2022
d.	Action plan to address the PH issues	An amount of Rs. 4.03 Crores have been earmarked to address the issues raised during public hearing and need based activity. Detail of activities proposed attached as Annexure 1 .

✓

S. No.	Particulars	Details																					
e.	Location of the project	Gudipadu Village, Yadiki Mandal, Anantapur District, Andhra Pradesh																					
f.	Latitude and Longitude of the project site	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>15° 4'21.79"N</td> <td>77°58'43.23"E</td> </tr> <tr> <td>2</td> <td>15° 4'49.55"N</td> <td>77°58'43.26"E</td> </tr> <tr> <td>3</td> <td>15° 4'49.10"N</td> <td>77°59'8.26"E</td> </tr> <tr> <td>4</td> <td>15° 4'26.31"N</td> <td>77°59'7.92"E</td> </tr> <tr> <td>5</td> <td>15° 4'26.29"N</td> <td>77°59'6.24"E</td> </tr> <tr> <td>6</td> <td>15° 4'21.33"N</td> <td>77°59'6.27"E</td> </tr> </tbody> </table>	S. No.	Latitude	Longitude	1	15° 4'21.79"N	77°58'43.23"E	2	15° 4'49.55"N	77°58'43.26"E	3	15° 4'49.10"N	77°59'8.26"E	4	15° 4'26.31"N	77°59'7.92"E	5	15° 4'26.29"N	77°59'6.24"E	6	15° 4'21.33"N	77°59'6.27"E
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g.	Total land	80 ha.																					
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	The Cement Plant is located in SCRL's own land of 80 Ha. Keeping in view of utilizing the existing infrastructure, SCRL proposes to locate New Line adjacent to the existing kiln. No additional land will be acquired.																					
i.	Existence of habitation & involvement of R&R, if any	No additional land will be acquired Nearest Village: 1. Gudipadu – 1.48 km – NNE 2. Guruvanipalli – 3.17 km – E The study area comprises of 18 villages falling in Anantapuramu and Kurnool Districts																					
j.	Elevation of the project site	Average altitude of 371 - 343 m above msl																					
k.	Involvement of Forest land if any.	No involvement of Forest Land.																					
l.	Water body exists within the project site as well as study area	1. Stream is passing inside the Plant Site in N. 2. Stream Adjacent to the Plant Site 0.11 km – E 3. Major Stream - 0.79 km– ESE 4. Pedda Vanka – 4.67 km – NE																					
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Nil																					
n.	Project cost	The cost of the proposed expansion is estimated to be about Rs. 500 Crores.																					
o.	EMP cost	<table border="1"> <thead> <tr> <th>Type</th> <th>Capital (Rs. in Crores)</th> <th>Recurring (Rs. in Crores)</th> </tr> </thead> <tbody> <tr> <td>Proposed</td> <td>Rs 87.72 Crores</td> <td>Rs 0.82 Crores</td> </tr> </tbody> </table>	Type	Capital (Rs. in Crores)	Recurring (Rs. in Crores)	Proposed	Rs 87.72 Crores	Rs 0.82 Crores															
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Proposed	Rs 87.72 Crores	Rs 0.82 Crores																					
p.	Employment opportunity	The employment generation from the proposed expansion project is 50.																					
q.	Water and Power requirement	Water –The proposed expansion water requirement increases to 1550 m3/day. Power -The total power requirement of 39 MW																					



Unit configuration and capacity:

Cement Plant	Present Capacity			Capacity after Proposed Enhancement		
	Clinker (MTPA)	Cement (MTPA)	Power (MW)	Clinker (MTPA)	Cement (MTPA)	Power (MW)
Unit –I	0.75	0.95	25 (CPP)	1.00	1.35	25 MW CPP + 15 MW WHRB
Unit –II (New)	-	-		2.00	2.65	
Total	0.75	0.95	25	3.00	4.00	40

5. The EAC, in its meeting held during 14-15th September, 2022, inter-alia, deliberated the following:

- i. The instant proposal is for increase in production of Clinker from 0.75 MTPA to 3.00 MTPA, Cement from 0.95 MTPA to 4.00 MTPA and captive Power plant from 25 MW to 40 MW (Installation of Waste Heat Recovery Boiler: 15 MW).
- ii. 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.
- iii. 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.
- iv. The existing project was granted Environmental Clearance in the name of M/s. BMM Cement Limited vide SEIAA Lr. No. SEIAA/ANT-10/2008 dated 26.02.2010 for production of 0.66 MTPA of clinker and 0.95 MTPA Cement along with a Coal based Thermal Power Plant of 25 MW. Further, Environmental clearance was obtained for the increase of clinker production from 0.66 to 0.75 MTPA vide SEIAA Lr. No. SEIAA/AP/ANT/IND/12/2018/787 dated 03.05.2019 in the name of M/s Sagar Cements (R) Limited. IRO, MoEF&CC made an observation during monitoring on 29.04.2022 that EC dated 03.05.2019 has been issued by SEIAA, Andhra Pradesh in favor M/s Sagar Cements (R) Limited without transfer of earlier EC. In this regard PP submitted the application to SEIAA, Andhra Pradesh vide proposal No. SIA/AP/IND/278593/2022 dated 17.06.2022 for transfer of EC dated 26.02.2010. Accordingly, EC was transferred in favour of Sagar Cement (R) ltd by SEIAA, AP. vide File No APPCB11033/246/2022-TEC-EC-APPCB dated 05.09.2022.
- v. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
- vi. A stream is passing through a project site in the north. Two streams and Pedda Vanka exists adjacent to the project site within the study area. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be implemented. The EAC deliberated the Action Plan and found in order.



- vii. 1550 m³/day water will be required for the project post expansion; which will be sourced from Groundwater. The EAC advised that project proponent shall explore the possibility of shifting to alternate source of water to reduce dependency on groundwater.
- viii. Greenbelt is developed in an area of 26.20 Ha as per EC (33 % of green belt). Thick green belt of width of 10m along the boundary has been developed. Additional greenbelt will be developed in an area of 3.8 Ha vacant land in the next five years within the plant site. The Committee deliberated on the action plan and budget allocation for green belt development and noted that as committed by the PP the green belt development shall be completed in a year.
- ix. The Committee has found that the baseline data and incremental GLC due to the proposed project within NAAQ standards.
- x. Gudipadu (1.48 Km, NNE) and Guruvanipalli (3.17 Km, E) villages are in the vicinity of the project site. The EAC advised that Project Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The PP shall also include these locations in its environmental monitoring programme.
- xi. The Committee deliberated upon the certified compliance report of IRO MoEFCC as well as action taken report submitted by PP with respect to the observations reported by IRO along with the review report of IRO and found it satisfactory.
- xii. 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. The EAC also noted that several written representations are received during Public Hearing including from Member of Parliamentary Standing Committee. SCRL through written submission reported that for each written representation (20 representations) submitted during Public hearing reply has been submitted. Accordingly, reply to Member of Parliamentary Standing Committee has been submitted vide letter dated 15.09.2022. The EAC deliberated the Action Plan and found in order.
- xiii. The Committee also deliberated on the written submission of PP on the issues raised by EAC during meeting and found it satisfactory.
- 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 EAC, in its 13th meeting of Expert Appraisal Committee (Industry-1 Sector) held on 14-15th September, 2022, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the instant proposal for grant of Environment Clearance subject to uploading the written submission on portal under the provisions of EIA Notification, 2006 subject to stipulation of following specific conditions and general conditions as per the Ministry's Office Memorandum No. 22-34/2018-III dated 9/8/2018 based on project specific requirements:



7. 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 Sagar Cements (R) Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:

A. Specific conditions:

- (i) The PP 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) A stream is passing through a project site in the north. Two streams and Pedda Vanka exists adjacent to the project site within the study area. The PP shall take suitable steps / conservation plan along with contouring, Run-off calculations, disposal etc. for conservation of stream. A robust Conservation scheme to protect these water bodies; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
- (iv) Gudipadu (1.48 Km, NNE) and Guruvanipalli (3.17 Km, E) villages are in the vicinity of the project site. Project Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The PP shall also include these locations in its environmental monitoring programme.
- (v) As committed, PP shall adopt Gudipadu and Kundanakota villages and develop them into model villages in next 10 years.
- (vi) 1550 m³/day water will be required for the project post expansion; which will be sourced from Groundwater. Necessary permission shall be obtained from the Competent Authority in this regard. PP shall explore the possibility of shifting to alternate source of water to reduce dependency on groundwater.
- (vii) Three tier Green Belt shall be developed in a time frame of one year covering at least 33% of the total project area 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. Gap filling shall be undertaken for the existing greenbelt to achieve target of plantation of 2500 saplings per ha.
- (viii) Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
- (ix) Rain water harvesting system as per Hydro-geological Study Report incorporated in EIA/EMP Report shall be implemented.
- (x) All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.
- (xi) Slip roads shall be provided at the gates and along crossings on main roads.
- (xii) All internal and connecting road to the Highway shall be black topped/ concreted with suitable load in term of Million Standard Axle (MSA) as per IRC guidelines.



- (xiii) Performance monitoring of pollution control equipment shall be taken up yearly and compliance status in this regard shall be reported to the concerned Regional Office of the MoEF&CC.
- (xiv) Dioxin and furans shall be monitored twice a year during co-processing of hazardous waste and report shall be submitted to the Regional Office of the MoEF&CC.
- (xv) Particulate matter emissions from all the stacks shall be less than 30 mg/Nm³.
- (xvi) The proposed project shall be designed as "Zero Liquid Discharge" Plant. PP shall provide the Reverse Osmosis (RO) plant and capacity of RO plant with ETP and there shall be no discharge of effluent from the plant. Domestic waste water shall be treated in STP and treated water shall be re-used for greenbelt development and plantation and dust suppression.
- (xvii) DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm³ by using best available technology.
- (xviii) Petcoke dosing shall be controlled automatically to control SO2 emission from chimney within the prescribed limits.
- (xix) PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
- (xx) A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- (xxi) All the recommendations made in the risk assessment report shall be implemented and compliance status in this regard shall be furnished to the Regional Office of the MoEF&CC along with the six monthly compliance report.
- (xxii) 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.
- (xxiii) As committed by the PP, two school buses shall be provided for two villages and the PP shall to this affect submit the credentials for procuring/ providing the buses to the IRO, MoEF&CC in the six monthly report.
- (xxiv) Under the CER programme, PP shall focus on Communication skills and personality development programmes for women in the nearby villages.
- (xxv) The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <https://cpcb.nic.in/technical-guidelines-3/>. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
- (xxvi) 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, 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.

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 with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and 10th May, 2016 (in case of Co-processing Cement); 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 fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.
- iii. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x 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.
- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. 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.
- vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
- vii. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
- viii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- ix. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
- x. Provide wind shelter fence and chemical spraying on the raw material stock piles; and



- xi. Provide Low NOX burners as primary measures and SCR /NSCR technologies as secondary measure to control NOX emissions.
- xii. Have separate truck parking area and monitor vehicular emissions at regular interval.
- xiii. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport
- xiv. Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants.

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. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and 10th May, 2016 (in case of Co-processing Cement) 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 regularly monitor 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. Water meters shall be provided at the inlet to all unit processes in the cement plant.
- vi. The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

- i. Noise quality 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.
- ii. 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.

V. Energy Conservation measures

- i. Waste heat recovery system shall be provided for kiln and cooler.
- ii. The project proponent makes efforts to achieve power consumption less than 65 units/ton for Portland Pozzolona Cement (PPC) and 85 units/ton for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
- 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 the project proponent for LED lights in their offices and residential areas.

VI. Waste management

- i. Used refractories shall be recycled as far as possible.

VII. Green Belt

- i. 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.
- ii. Project proponent shall submit a study report within six months 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. As part of Corporate Environment Responsibility (CER) activity, company shall adopt villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
- ii. The company shall have a well laid down environmental policy duly approved 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 report 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. 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.
- x. 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).
- 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.

8. 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.

9. 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.



10. 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.

11. 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.

12. This issues with approval of the competent authority.



(Dr. R. B. Lal)
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Encl. as above at Annexure –I

Copy to: -

1. The Secretary, Department of Environment, Government of Andhra Pradesh, Hyderabad.
2. The Secretary, Department of Forest, Government of Andhra Pradesh, Hyderabad.
3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi
4. Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Green House Complex, Vijayawada – 520010
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, Andhra Pradesh State Pollution Control Board, D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamalavari Street, Kasturibaipet, Vijayawada – 520 010
7. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001.
8. The Chief Wildlife Warden, Govt. of Andhra Pradesh, Aranya Bhawan , Saifabad, Hyderabad-500004
9. District Collector, District Anantapur, Andhra Pradesh.
10. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
11. Guard File/Record File/Monitoring File/MoEF&CC Website/Parivesh Portal.



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Table: Action Plan as per Ministry's O.M. dated 30/09/2020

S. No	Activity		Year 22-23	Year 23-24	Year 24-25	Total Amount Rs in Lakhs
SWACHH BHARAT						
1	Repair of drainage system in Gudipadu village	Physical Nos	1	-	-	6.00
		@ Village	Gudipadu	Gudipadu	Gudipadu	
		Budget Rs Lakhs	2.0	2.0	2.0	
2	Cleaning at temples surrounding areas.	Physical No's	1	-	-	1.00
		@ Village	Gudipadu	-	-	
		Budget Rs Lakhs	1.00	-	-	
EDUCATION AND SPORTS						
1	Providing note books and other stationary item to school children every year	Physical Nos	175	175	175	3.0
		@ Village	Gudipadu	Gudipadu	Gudipadu	
		Budget Rs Lakhs	1.0	1.0	1.0	
2	Providing of computers, projector & printer to Gudipadu upper primary school. (175 students)	Physical Nos	1	1	1	3.0
		@ Village	Gudipadu	Gudipadu	Gudipadu	
		Budget Rs Lakhs	1.0	1.0	1.0	
3	Development of playground with necessary facilities in Gudipadu villages	Physical Nos	-	1	-	10.00
		@ Village	-	Gudipadu	-	
		Budget Rs Lakhs	-	10	-	
4	Providing school buses for the village	Physical Nos	1+1	-	-	50.0
		@ Village	Gudipadu Kundanakota	-	-	
		Budget Rs Lakhs	60	-	-	
WOMEN WELFARE						
1	Women training – Tailoring and providing sewing machines	Physical Nos	100	100	100	6.00
		@ Village	Gudipadu & kundanakota	Gudipadu & kundanakota	Gudipadu & kundanakota	
		Budget Rs Lakhs	2.00	2.00	2.00	
2	Training and Funding women in making Jute products & cotton disposal bags	Physical Nos	1	-	-	15
		@ Village	Gudipadu	-	-	
		Budget Rs Lakhs	15	-	-	
ROADS DEVELOPMENT						
1	Repair and maintenance of internal roads at Gudipadu village & venkatampalli village to Gudipadu approach road.	Physical Nos	1	1	1	80.00
		@ Village	Gudipadu	venkatampalli village to Gudipadu approach road	Gudipadu	
		Budget Rs Lakhs	5	70	5	
2	Approach road at school in Gudipadu village for hassle free entry to students.	Physical Nos	175	-	-	3.00
		@ Village	Gudipadu	-	-	
		Budget Rs Lakhs	3.0	-	-	



S. No	Activity	Year 22-23	Year 23-24	Year 24-25	Total Amount Rs in Lakhs	
	Development of Roads in Gudipadu Village -Cement concreting – 3.00 km	Physical Nos	-	-	1	35
		@Village	-	-	Gudipadu	
		Budget Rs Lakhs	-	-	35	
VILLAGE						
1	Development and maintenance of Temples & surrounding area in Gudipadu village.	Physical Nos	1	1	1	20.0
		@Village	Gudipadu	Gudipadu	Gudipadu	
		Budget Rs Lakhs	3.50	13.00	3.50	
2	Solar street light posts at junctions in four locations	Physical Nos	-	4	-	5.0
		@Village	-	Gudipadu	-	
		Budget Rs Lakhs	-	5.0	-	
3	Supply of LED bulbs to all houses in Gudipadu Village	Physical Nos	500	-	-	2.0
		@Village	Gudipadu	-	-	
		Budget Rs Lakhs	2.0	-	-	
DRINKING WATER						
1	Providing of RO plant with infrastructure for village at Kundanakota	Physical Nos	-	1	-	10.00
		@Village	-	Kundanakota	-	
		Budget Rs Lakhs	-	10.00	-	
2	Installation of RO plant at Gudipadu school	Physical Nos	-	-	-	3.0
		@Village	Gudipadu	-	-	
		Budget Rs Lakhs	3.0	-	-	
SKILL DEVELOPMENT						
1	Providing skill development training to ITI & diploma passed local youth (for 10 members) per year.	Physical Nos	10 students/year	10 students/year	10 students/year	30
		@Village	Local Youth from 10 km radius			
		Budget Rs Lakhs	10	10	10	
HEALTH CARE						
1	Increasing medical check-up camp from one time to twice in a month at Gudipadu and introduction medical check-up once in a month at Kundanakota Village including Ambulance facility	Physical Nos	1	1	1	28.00
		@Village	Gudipadu	Gudipadu & Kundanakota	Gudipadu & Kundanakota	
		Budget Rs Lakhs	8.00	10.00	10.00	
2	Extension of Pathology lab facilities at OHC	Physical No's	-	1	-	5.00
		@village	-	OHC	-	
		Budget. RS. Lakhs	-	2.50	2.50	
OTHERS						
1	Plantation of Local species Neem, cassasimea, Jamun, Awala etc. – 5000 Saplings @Rs 200 per saplinroadg.	Physical Nos	-	2500 saplings	2500saplings	10.00
		@Village	Gudipadu to Venkatampalli			
		Budget Rs Lakhs	-	5.00	5.00	
2	Maintenance & Development of Green Belt @ Rs. 7.0 lakh/year	Physical Nos	-	-	-	21.00
		@Village	Gudipadu to Venkatampalli			
		Budget Rs Lakhs	7.0	7.0	7.0	



S. No	Activity		Year 22-23	Year 23-24	Year 24-25	Total Amount Rs in Lakhs
3	Water pipe line of length 2.50 km from Borewell to storage tank	Physical No's	1	1	1	12.0
		@village	-	Gudipadu	-	
		Budget. RS. Lakhs	-	12.0	-	
4	Water pipe line of length 2.0km from storage tank to Gudipadu village	Physical No's	1	-	-	10.0
		@village	Gudipadu	-	-	
		Budget. RS. Lakhs	10.0	-	-	
5	Arrangement of water facility to the cattle to meet in summer periods.	Physical No's	1	-	-	5.0
		@village	Gudipadu	-	-	
		Budget. RS. Lakhs	5.0	-	-	
6	Construction of water pit for cattle	Physical No's	1	-	-	2.0
		@village	Gudipadu	-	-	
		Budget. RS. Lakhs	2.0	-	-	
7	Rain water harvesting pits development in villages	Physical No's	10	10	-	5.0
		@village	Gudipadu	Kundana kota villages	-	
		Budget. RS. Lakhs	2.5	2.5	-	
8	Agricultural – providing 2 nos motorised tillers for common usage	Physical No's	2	-	-	10.0
		@village	Gudipadu	-	-	
		Budget. RS. Lakhs	10	-	-	
TOTAL BUDGET (In lakhs of rupees) – Implementation period - 3 years						403

