



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

To,

The Executive Vice President
JSW CEMENT LTD

JSW Cement Limited JSW Centre MM RDA Ground, Bandra Kurla
Complex, Bandra East Mumbai,,Mumbai City,Maharashtra-400051

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/267226/2020 dated 21 Apr 2022. The particulars of the environmental
clearance granted to the project are as below.

- EC Identification No.** EC22A009AP170810
- File No.** F.No. J-11011/889/2007-IA-II-(I)
- Project Type** Expansion
- Category** A
- Project/Activity including
Schedule No.** 3(b) Cement plants
- Name of Project** Expansion of Cement Plant with increase
the Clinker production from 2.5 MTPA to
3.4 MTPA and Cement
(OPC/PPC/PSC/CC/GGBS) production
from 4.8 MTPA to 6.0 MTPA and
installation of 1X18 MW Captive Power
- Name of Company/Organization** JSW CEMENT LTD
- Location of Project** Andhra Pradesh
- TOR Date** 17 Aug 2020

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

Date: 26/09/2022

(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. IA- J-11011/889/2007-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: 26th September, 2022

To,

M/s JSW Cement Limited
Bandra Kurla Complex Bandra (East), Mumbai City,
Maharashtra-400051
Email: ceo.cement@jsw.in

Subject: Expansion of Clinker production (2.5 to 3.4 MTPA) & Cement (OPC/PPC/PSC/Composite Cement) & GGBS (4.8 to 6.0 MTPA) and Captive Power Plant (18 MW) by M/s JSW Cement Limited located at Village Bilakalagudur, Mandal Gadivemula, District Kurnool, Andhra Pradesh– Grant of Environmental Clearance regarding

Sir,

This refers to your proposal no. **IA/AP/IND/267226/2020** dated **21/04/2022** received through PARIVESH Portal for grant of **Environmental Clearance (EC)** for the project mentioned above. Further, the PP has uploaded the ADS information on 29.08.2022 on portal.

2. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered under category 'A' of item. **3(b) Cement Plants and 1(d) Thermal Power Plants of the EIA Notification, 2006 and appraised at Central Level.**

3. Accordingly, the above-mentioned proposal has been considered in **the meetings of Expert Appraisal Committee (Industry-1 Sector) held on 12-13 May, 2022 & 23-24 June, 2022.** The minutes of the meetings 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	10.02.2020		
b.	Period of baseline data collection	December 2020, January 2021 and February 2021		
c.	Date of Public Consultation	19.11.2021		
d.	Action plan to address the PH issues	An amount of Rs. 5.405 crores have been earmarked to address the issues raised during public hearing and need based activities. Detail of activities proposed attached as Annexure 1.		
e.	Location of the project	Village Bilakalagudur, Mandal Gadivemula, District Kurnool, Andhra Pradesh		
f.	Latitude and Longitude	S. No.	Latitude N''	Longitude E''



S. No.	Particulars	Details submitted by PP								
	of the project site	A	15°40'36.61"N	78°27'16.02"E						
		B	15°41'12.97"N	78°27'10.27"E						
		C	15°41'39.49"N	78°27'12.39"E						
		D	15°41'26.99"N	78°28'12.96"E						
		E	15°40'33.31"N	78°27'58.99"E						
		F	15°40'30.74"N	78°27'45.50"E						
g.	Total land	263.05 Ha.								
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	The total land of 263.05 Ha is under the possession of JSWCL. The expansion is planned to be executed within the existing premises and no additional land will be acquired.								
i.	Existence of habitation & involvement of R&R, if any	No R&R is involved								
j.	Elevation of the project site	252 m above msl								
k.	Involvement of Forest land if any.	No Forest Land Involved								
l.	Water body exists within the project site as well as study area	<p>Project Site: An irrigation canal exists within the project site.</p> <p>Study area</p> <ol style="list-style-type: none"> 1. Kunderu River – 2.1 km - WSW 2. Kurnool Cuddapah Canal – 2.8 km – E 3. SRBC Canal – 3.6 km – SW 4. Gal Eru – 7.8 km – ESE 5. Alaganuru Balancing Reservoir – 4.62 – WNW 								
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	<p>Nil</p> <p>Nearest Reserved Forests: Gani RF – 3.1 km – SW</p>								
n.	Project cost	Proposed – Rs. 420 Crores INR								
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. 34.78 crores</td> <td>Rs.1.93 Crores</td> </tr> </tbody> </table>	Type	Capital (Rs. in Crores)	Recurring (Rs. in Crores)	Proposed	Rs. 34.78 crores	Rs.1.93 Crores		
Type	Capital (Rs. in Crores)	Recurring (Rs. in Crores)								
Proposed	Rs. 34.78 crores	Rs.1.93 Crores								
p.	Employment opportunity	80 person								
q.	Water and Power requirement	(Existing + proposed)Water –2160 m3/day, Power – 48.5 MW								

Unit configuration and capacity:

Facility	Present Capacity	Proposed Expansion	Capacity After Expansion
Clinker Production (MTPA)	2.50	0.9	3.4
Cement Production (MTPA) OPC/PPC/GGBS/PSC/ Composite Cement)	4.80	1.2	6.0
Waste Heat Recovery Power Plant (MW)	Nil	*9	*9
**Coal Based Captive Power Plant CPP		1x18	1 X 18 MW



Facility	Present Capacity	Proposed Expansion	Capacity After Expansion
(MW)			
<p><i>Note *EC not required. Consent for Establishment obtained from APPCB.</i></p> <p><i>**1x18 MW CPP was transferred to M/s JSW Energy Ltd. vide MoEF&CC letter No. F.No. J11011/889/2007-IA-II-(I) dt. 28.01.2021</i></p>			

5. The EAC, in its 8th meeting of Expert Appraisal Committee (Industry-1 Sector) held on 23-24th June, 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.

6. 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 JSW Cement Limited located** 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 PP shall comply to the conditions stipulated by Water Resource Department, Govt. of A.P. while conveying the NOC for the instant expansion project vide their letter No. EE/KCC/NDL/TW/JTO-1/F-1031 dated 26.08.2022.**
- (iii) 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.
- (iv) The activities and the action plan proposed by the project proponent to address the issues raised during public hearing and socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.
- (v) An irrigation canal exists within the project site. A robust 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.
- (vi) The PP shall explore the possibility of constructing a wall parallel to the canal for its mitigation/preservation.
- (vii) The Bilakalagudur lies at about 1.2 km in the Western direction of the plant. Environmental safeguards/mitigation measures, as committed by the PP, shall be implemented.
- (viii) The Efforts shall be made to achieve power consumption of 70 units/tonne of Portland-Pozzolona cement (PPC) and 95 units/tonne of cement for Ordinary Portland Cement and thermal energy consumption of 670 kcal/Kg of Clinker.
- (ix) Overhead belt conveyor for transportation of Limestone from the mines to the plant site shall be established in a time frame of three years from the date of issue of Environment Clearance



after obtaining requisite statutory permissions from the concerned competent authority. Thereafter, road transportation of limestone from the mines to the plant site is not permitted.

- (x) 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. Thick greenbelt of about 120 m width been developed all along the western side of the active plant area facing Bilakalagudur village shall be maintained. Additional greenbelt in 7.37 Ha shall be developed towards the Western side of the plant boundary as committed. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
- (xi) The project proponent shall develop a robust monitoring plan for greenbelt development Wildlife Management.
- (xii) Post expansion, the total fresh water requirement will be 2160 m³/day. Approximately 1500 m³/day will be sourced from the mine pit harvested water and the balance will be drawn through bore wells with permission from the Competent Authority. PP shall make efforts for gradual phasing out of ground water consumption and switching to alternative source of water.
- (xiii) Rain water harvesting system more than the annual water consumption has to be implemented.
- (xiv) 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.
- (xv) Slip roads shall be provided at the gates and along crossings on main roads.
- (xvi) 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.
- (xvii) 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.
- (xviii) 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.
- (xix) Project proponent shall develop separate drainage system for storm water and industrial waste water and effectively prevent the pollution of natural waterbody.
- (xx) Particulate matter emissions from cement mill stacks shall be less than 20 mg/Nm³ and for CPP less than 30 mg/Nm³.
- (xxi) Air cooled condensers shall be used in the captive power plant in place of water-cooled system.
- (xxii) As committed, entire waste water shall be treated and reused for plantation and dust suppression within the premises. Also, STP water shall be reused in plantation with a view to conserve fresh water.
- (xxiii) As committed, 5 villages, namely Bilakalagudur, Bujunur, Gadivemula, Grandhivemula and Pesarvai shall be adopted and will be developed into model villages in next 10 years.
- (xxiv) Hot air dryer shall not be installed. Flue gases of preheater shall be used to dry the slag/bottom ash.
- (xxv) DeSO_x system shall be provided dry type. NO_x level shall be maintained below 600 mg/Nm³ by using best available technology.



- (xxvi) Petcoke dosing shall be controlled automatically to control SO₂ emission from chimney within the prescribed limits.
- (xxvii) The PP shall implement a project specific AQMP (Air Quality Management Plan) with Best practices; shall determine priority pollutants. Pollution prevention approaches to reduce, eliminate, prevent pollution at its source, should be considered, like (but not limited to) are to use less toxic raw materials or fuels, use a less-polluting industrial process, and to improve the efficiency of the process.
- (xxviii) The PP shall develop a control strategy and mitigation plan that incorporates the pollution control measures. The Clean Air practices shall be adopted like mechanical collectors, wet scrubbers, fabric filters (baghouses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation.
- (xxix) Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere. The PP to this affect shall implement a time bound Action Plan, and the compliance shall be submitted to IRO, MoEFCC.
- (xxx) As the Kundur River is near to the mines of the project, the PP should prepare and implement a River conservation plan; and an adequate robust Erosion control and Soil Conservation Program (like Storm water diversion; Storm water drains with catch pits to trap run off material; Garland drains; Retention walls; Settling Ponds; Wheel washing arrangement; Silt removal from settling ponds & utilization; Greening & Paving; Excavated soil preservation for landscaping) is to be formulated and implemented by the PP.
- (xxxii) The TDS levels are reported to be high, nearer to the threshold limit and there is also a public hearing grievance relating to crop damage and low yield of crop produce due to water discharge from the plant. The PP shall ensure strict Zero Discharge from the plant and shall support the farmers whose crops have been damaged as per the PH conducted.
- (xxxiii) There is a government Canal passing through the project area. PP shall ensure all erosion and soil conservation methods and original water flow characters. PP shall ensure that no hazardous, waste water or runoff (including storm runoff) from the plant area shall enter into the canal. The PP shall also maintain the berms on either side of the canal and plant grasses and herbs/shrubs all along the canal on either sides. Further the PP shall also construct a wall parallel to the canal as an additional protection leaving sufficient gap from the canal berms and plantation belt.
- (xxxiv) As reported by the PP the project area is 263.05 hectares and the plant area is only in 96.52 hectares. PP shall explore the possibility of returning the excess land, especially the area through which the Government's canal is passing through back to the government/ original land owners.
- (xxxv) RO water treatment plants/units and solar lighting committed by the PP to the villages as per the Public hearing shall be provided in the 1st year itself and their maintenance shall be done by the PP in the following years.
- (xxxvi) A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- (xxxvii) 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.
- (xxxviii) 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 with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R. No. 612 (E) dated 25th S.O. 3305 (E) dated 7th 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 recognised 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 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.
- 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; S.O. 3305 (E) dated 7th 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 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 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. 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 Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
 - xii. 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.

7. 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.

8. 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.



9. 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.

10. 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.

11. This issues with the approval of the Competent Authority.



(Dr. R. B. Lal)
Scientist 'E'/Additional Director
Tel: 011-20819346
Email-rb.lal@nic.in

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, Kurnool, District, 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.



(Dr. R. B. Lal)
Scientist 'E'/Additional Director
Tel: 011-20819346
Email-rb.lal@nic.in



Table 1: Action plan as per MoEF&CC O.M. dated 30/09/2020

Activities	Particulars	Year of implementation			Total Rs. Lakhs
		1 st year	2 nd year	3 rd year	
Renovation and augmentation of village infrastructure	Physical target	Providing RO water plant to the villagers of Bilakalagudur	Providing RO water plant to the villagers of Bujunur	Providing RO water plant to the villagers of Gadivemula	12.0
	Budget (Rs. 12 Lakh)	Rs. 4 lakhs	Rs. 4 lakhs	Rs. 4 lakhs	
	Physical target	Construction of CC Road to burial ground	Construction of drains in Bilakalagudur	Construction of drains in Bujunur	180.0
	Budget (Rs. 180 Lakh)	Rs. 60 Lakh	Rs. 60 Lakh	Rs. 60 Lakh	
	Physical target	Establishment of 10 Solar street lights and maintenance in Bilakalagudur	Establishment of 10 Solar street lights and maintenance in Bujunur	Establishment of 10 Solar street lights and maintenance in Gadivemula	15.0
Budget (Rs.15 Lakh)	Rs 5 Lakh	Rs 5 Lakh	Rs 5 Lakh		
Development of already allotted grazingland in Bilakalagudur and Bujunur	Physical target	Fencing of land in both the villages	Grassing and tree plantation	-	8.0
	Budget (Rs. 8 Lakh)	Rs 4 Lakh	Rs 4 Lakh	-	
Skill Development Centre	Physical target	Company is already running 2 skill development centres for ladies in village Bujunur and Bilakalagudur. Rs. 36 Lakh considered in 'Need based Activities' budget			20.0
	Budget (Rs. 20 Lakh)	Rs 10 Lakh	Rs 10 Lakh	-	
Support to children in education and sports	Physical target	Support to enhance the quality of education by providing Digi boards, bicycles to girl students, sports kits, merit scholarship, study material to the students and engaging services of vidya tutors in Bilakalagudur, Bujunur and Gadivemula schools	Development of play-ground for MPP school, Bujunur		80.0



Activities	Particulars	Year of implementation			Total Rs. Lakhs
		1 st year	2 nd year	3 rd year	
	Budget (Rs. 80 Lakh)	Rs 40 Lakh	Rs 20 Lakh	Rs 20 Lakh	
Avenue plantation	Physical target	1000 nos. avenue tree plantation in Bilakalagudur	1000 nos. avenue tree plantation in Bujunur	1000 nos. avenue tree plantation in Gadivemula	9.0
	Budget (Rs. 9 Lakh)	Rs 3 Lakh	Rs 3 Lakh	Rs 3 Lakh	
Construction of canal at Velagamu Dam	Physical target	Company has already proposed to Distt. Collector, MP and MLA of the area for construction of Velagamu Dam canal. However, the construction of the dam has to be taken up by the state govt.			
	Budget	As per estimation by the concerned state govt deptt. and as and when demand is raised.			
Rainwater harvesting	Physical target	Construction of 20 nos of nail holes (Enkudu Gunthalu) in Bilakalagudur	Construction of 20 nos of nail holes (Enkudu Gunthalu) in Bujunur	Construction of 20 nos. of nail holes (Enkudu Gunthalu) in Gadivemula	6.0
	Budget (Rs. 6.0 Lakh)	Rs. 2 Lakh	Rs. 2 Lakh	Rs. 2 Lakh	
Total Budget: Rs. 330 Lakh					330

TABLE 2: DETAILED ACTION PLAN WITH PHYSICAL TARGETS FOR NEED BASED ACTIVITIES

Need based activities	Particulars	Year of implementation			Total Rs. Lakhs
		1 st year	2 nd year	3 rd year	
Supporting health, and nutrition	Physical target	Providing pre-natal & post-natal services to pregnant women, lactating mothers and babies in Gadivemula mandal.			15.0
	Budget (Rs. 15 Lakh)	Rs. 5 Lakh	Rs. 5 Lakh	Rs. 5 Lakh	
	Physical target	Mobile health camps in Gadivemula Mandal and specialty camps (Ophthalmic, Ortho, Cardiac, Nephrology, Diabetic etc.) and dispensing medicine in Bilakalagudur and Bujunur villages			75.0
	Budget (Rs. 75 Lakh)	Rs. 25 Lakh	Rs. 25 Lakh	Rs. 25 Lakh	
	Physical target	Distribution of sanitary napkins to adolescent girls in the Schools of Gadivemula mandal and women of Bilakalagudur and Bujunur			4.50
	Budget (Rs.)	Rs. 1.50	Rs. 1.50	Rs. 1.50 lakh	



	4.50 Lakh)	lakh	lakh		
Sustainable livelihood	Physical target	Provide training in tailoring, Maggam work (a form of thread-craft), Embroidery work to the women of Gadivemula mandal			15.0
	Budget (Rs. 15 Lakh)	Rs. 5 Lakh	Rs. 5 Lakh	Rs. 5 Lakh	
	Physical target	Beautician course for the women of Gadivemula mandal			6.0
	Budget (Rs. 6 Lakh)	Rs. 2 Lakh	Rs. 2 Lakh	Rs. 2 Lakh	
	Physical target	Training in making Jute products to the women of Gadivemula mandal			15.0
	Budget (Rs. 15 Lakh)	Rs. 5 Lakh	Rs. 5 Lakh	Rs. 5 Lakh	
	Physical target	Organising cleanliness drives, Tractor support and Implementation of solid waste management in Bilakalagudur and Bujunur villages			30.0
Sanitation	Budget (Rs. 30 Lakh)	Rs. 15 Lakh	Rs. 10 Lakh	Rs. 5 Lakh	
	Physical target	Watershed management project in association with NABARD in Gadivemula mandal covering 1000 hectares benefitting around 800 farmers			50.0
Irrigation & Agriculture	Budget (Rs. 50 Lakh)	Rs. 5 Lakh	Rs. 20 Lakh	Rs. 25 Lakh	
	Total Budget Rs. 210.50 Lakh				210.5
That is the total Budget for PH issues and Need based activities is Rs. 540.50 Lakh.					

