



सत्यमेव जयते

File No: J-11011/76/2007-IA-II(IND-I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division  
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Date 30/06/2026



To,

M/s. DALMIA CEMENT (BHARAT) LIMITED  
Dalmiapuram, P.O. Kallakudi, Dalmiapuram  
Tiruchirappalli (Tamil Nadu) - 621 651,  
Email: env.head@dalmiacement.com

Subject: **Expansion of existing Cement Plant (Clinker, Cement & WHRS) by installation of a new line of clinkerisation & cement grinding with WHRS by M/s. Dalmia Cement (Bharat) Ltd, located at Village- Chinnakomerla & Dugganpalli, Mandal- Mylavaram District- YSR Kadapa State- Andhra Pradesh- Grant of Environment Clearance -Reg.**

Sir/Madam,

This refers to your proposal no IA/AP/IND1/576361/2026 dated 22.04.2026 along with copy of Addendum EIA/EMP report, Forms (Part A, B and C) and certified compliance report seeking Environmental Clearance (EC) for expansion of the existing Integrated Cement Plant under the provisions of the EIA Notification, 2006.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC26A1101AP5498612N
(ii) File No.	J-11011/76/2007-IA-II(IND-I)
(iii) Clearance Type	Expansion EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(b) Cement plants ,1(d) Thermal Power Plants,8(a) Building / Construction
(vi) Sector	Industrial Projects - 1 Expansion of existing Integrated Cement Plant of Dalmia Cement (Bharat) Ltd. by installation of a new line of clinkerisation & cement grinding at District: YSR Kadapa, Andhra Pradesh.
(vii) Name of Project	DALMIA CEMENT (BHARAT) LIMITED
(viii) Name of Company/Organization	Y.S.R., ANDHRA PRADESH
(ix) Location of Project (District, State)	

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

MoEF&CC

No

**Plot/Survey Khasra Nos.:** 1289 , 1290 , 1291 , 1292 , 1293 , 1294 , 1295 , 1296 , 1297 , 1298 , 1299 , 1300 , 1301 , 1302 , 1303 , 1304 , 1305 , 1306 , 1307 , 1308 , 1309 , 1310 , 1311 , 1312 , 1313 , 1314 , 1315 , 1316 , 1317 , 1318 , 1319 , 1320 , 1321 , 1322 , 1323 , 1324 , 1325 , 1326 , 1327 , 1328 , 1329 , 1330 , 1331 , 1332 , 1333 , 1334 , 1335 , 1336 , 1337 , 1338 , 1339 , 1340 , 1341 , 1342 , 1343 , 1344 , 1345 , 1346 , 1347 , 1348 , 1349 , 1350 , 1351 , 1352 , 1353 , 1354 , 1355 , 1356 , 1357 , 1358 , 1359 , 1360 , 1361 , 1362 , 1363 etc. , 13 , 14 , 15 , 16 , 17 , 18 , 19 , 20 , 21 , 22 , 23 , 24 , 25 , 26 , 27 , 28 , 29 , 30 , 31 , 32 , 33 , 41 , 43 , 44 , 45 , 169 etc.

3. The proposed project activity is listed at schedule no. 3(b) Cement Plants, 1(d) Thermal Power Plant and 8(a) Building/Construction under Category “A” of the schedule of the EIA Notification, 2006 and being appraised at Central Level.

4. The proposal was considered during 28<sup>th</sup> EAC (Industry-1) Meeting held on 21<sup>st</sup> -22<sup>nd</sup> May, 2026. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.

5. The details of the proposal are as per the Addendum EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are at **Annexure-II**.

6. The Unit configuration and capacity of the proposed project is at **Annexure-III**.

7. The EAC, in its 28<sup>th</sup> EAC (Industry-1) Meeting held on 21<sup>st</sup> -22<sup>nd</sup> May, 2026, inter-alia, deliberated the following:

1. The instant proposal is for expansion of existing Integrated Cement Plant (Clinker, Cement & WHRS) by installation of a new line of clinkerisation & cement grinding with WHRS for enhancement of production of cement (OPC/PPC/PSC/Composite Cement/ SRPC, GGBFS and other varieties of cement) from 4.6 MTPA to 12.6 MTPA , Clinker from 2.6 MTPA to 7.6 MTPA & WHRS from 12 MW to 28 MW.

2. The existing project was accorded Environmental Clearance vide letter.no. J-11011/76/2007-IA-II (I)dated 05.04.2007 in the name of Eswar Cement Pvt. Ltd. and subsequently transferred to Dalmia Cement (Bharat) ltd. vide letter dated 05.09.2007. Consent to Operate for the existing unit was accorded by Andhra Pradesh State Pollution Control Board vide Ir. no. 365704APPCB/KNL/KDP/CTO&HWA/HO/2024- dated 30.03.2024. The validity of CTO is up to 28.02.2029.

3. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/ domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

4. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is

- found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
5. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
6. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
7. The Committee noted that the project is a brownfield proposal. Accordingly, SPCB furnished its comments vide letter dated 04.05.2026. The EAC apprised the proposal taking into consideration the comments of SPCB and the mitigation measures proposed by the project proponent w.r.t. the proposed site and nearby sensitive receptors. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.
8. The PP reported that the existing plant area is 120 ha including plant and colony area. With the installation of proposed New Line-II, plant area will increase from existing 120 ha to 150 ha. Additional area is contiguous & in possession of the company and converted for industrial use.
9. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that the nearest habitations include Chinnakomerla at 20 m in South, Dugganapalli village located at about 110 m and Nawabpet village at about 540 m, Peda Komerla at 0.95 km from the project site. Educational institutions in the vicinity include Z.P. High School and MPP Schools at Chinnakomerla (~30 m, SE), Primary School at Dugganapalli (~0.9 km, W), and MPP School at Nawabpet (~0.71 km, NNE). A religious structure, Sri Mulamma Temple, is located at approximately 290 m in the west direction. Water bodies in the vicinity include Tigaleru River at about 1.85 km towards the east, a nala at about 20 m in the north-east direction, Nossam Branch Canal at about 1.5 km in the south-east direction along with other sensitive receptors within the study area of the project site. The Committee opined that the Project Proponent shall identify, village-wise, all sensitive receptors including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and implemented, along with a separate, clearly defined budget allocation for each affected village.
10. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/ agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
11. It is observed that a Nallah/Vagu is passing adjacent to the plant. In this regard, the project proponent has submitted a NOC from WRD obtained vide letter no. TW/ATO/785 dated 15.11.2025. The Committee further noted that as per the WRD assessment, the flooding is attributable to regional hydrological characteristics of the drainage basin and not solely due to the project. The PP has submitted an undertaking and earmarked a budget of Rs. 5.5 Crores for widening, desilting, bank

strengthening, and improving the cross-sectional profile of Alugu Vagu, along with an affidavit confirming non-obstruction of natural flow.

12. The Committee noted the submissions of the Project Proponent regarding flooding in the surrounding area and observed that, as per the assessment of the Irrigation Department, the Alugu Vagu forms part of a larger drainage system in the Kundu sub-basin and carries significant monsoonal discharge. The Committee further noted that flooding in the region is a cumulative phenomenon influenced by regional hydrology and catchment characteristics and cannot be attributed solely to the project. The Committee noted that the Project Proponent has submitted an affidavit confirming that the project has not obstructed the natural flow of Alugu Vagu and shall not adversely impact the drainage pattern in the area, and committed to implement all necessary mitigation measures. However, the Committee emphasized that the Project Proponent shall implement all mitigation measures as recommended by the Water Resources Department in a time-bound manner in coordination with concerned authorities.

13. Further, water bodies in the vicinity include Tigaleru River at about 1.85 km towards the east, Nossam Branch Canal at about 1.5 km in the south-east direction along with other water bodies within the study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures shall be implemented to protect the natural drainage and its flow parameters; along with Soil conservation and Erosion control measures for all the water bodies.

14. Existing Water requirement is 2015 m<sup>3</sup>/day (1800 KLD fresh water & 215 KLD treated water), which is obtained from the existing Rainwater Sump at Plant & Mine site and Ground Water. The water requirement for the proposed Line-2 is estimated as 1835 m<sup>3</sup>/day, out of which 1740 m<sup>3</sup>/day of fresh water requirement will be obtained from the existing Rainwater Sump at the Plant & Mine site. Total water requirement after proposed expansion will be 3850 KLD out of which 3475 KLD fresh water (1800 KLD ground water existing permission, No change and remaining from Rainwater at Mine & plant) and 375 KLD treated water. The EAC opined that the PP shall secure the required approval from the appropriate authority. Further, the Committee emphasized that the project proponent shall explore alternative sources of water to minimize dependency on groundwater.

#### **15. PH and Court Case**

· The Committee deliberated on the submissions made by the Project Proponent with respect to the issues raised during the Public Hearing, compliance of the EDS, directions of the Hon'ble Lokayukta, and related court proceedings. The Committee noted that the Hon'ble Lokayukta, Andhra Pradesh, vide order dated 05.09.2024, had recommended constitution of a High-Level Grievance Redressal Committee, which was subsequently constituted by the Government of Andhra Pradesh vide G.O. Ms. No. 90 dated 17.12.2024. The Committee further noted that a Writ Petition (W.P. No. 7163 of 2025) was filed before the Hon'ble High Court seeking to suspend the Public Hearing; however, the same was disposed of vide order dated 25.03.2025 with directions to the petitioners to participate in the Public Hearing process and raise their grievances before the competent authority.

· The Committee noted that the petitioners had participated in the Public Hearing and their grievances were duly recorded, examined, and addressed by the Project Proponent in consultation with the District Authorities and the concerned SPCB, and the same has been incorporated in the Public Hearing proceedings and subsequent Action Taken Report. The Committee further noted that the directions of the Hon'ble High Court have been complied with, including participation of petitioners and submission and consideration of written representations.

· The Committee also noted that the District Collector & District Magistrate, Kadapa has furnished a detailed response vide letter dated 22.12.2025 along with an approved Public Hearing Action Plan, including petitioner-wise grievances, mode of redressal, implementation modalities, and budgetary provisions, which also incorporates the directions of the Hon'ble Lokayukta and the recommendations

of the High-Level Grievance Redressal Committee. It was further observed that a cumulative budget of Rs. 42 Crores has been earmarked for addressing the issues raised during the Public Hearing for both plant and mine components. The Committee found the action plan to be satisfactory. Further, the Committee noted that other legal proceedings reported are either not related to the Environmental Clearance process or have been disposed of, and at present, there is no subsisting legal constraint on consideration of the proposal.

16. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.

17. It is reported that as per the amended Wildlife Protection Act (WLPA) 2022, a total of 14 species are listed under Schedule-I. Conservation plan of schedule-I species was approved in line with Wildlife (Protection) Act, 1972 and further re-validated as per amendment in Wildlife (Protection) Act, 2022 by Principal Chief Conservator of Forests & HoFF and Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden (FAC), Andhra Pradesh vide letter dated 04/10/2021 and vide Rc.no. 21024/2019/WL-2, dated 11/09/2024 respectively. Budget of Rs. 1.65 Crores was allocated for implementation for WLCP and amount has been deposited by the company in the account of Wildlife Conservation projects & CSR (WLC & CSR). The EAC opined PP shall ensure strict compliance with the recommendations of the approved plan in consultation with State Forest Department.

18. The PP reported that existing green belt has been developed in 40 ha area which is 33% of the existing plant area i.e. 120 ha as per granted EC with total sapling of 100000 trees. As per the Office Memorandum dated 29.10.2025, Section 6-B, as this is a Red Category project, a minimum of 25% of the total project area shall be maintained as Greenbelt/Plantation. The Greenbelt will inter alia, cover the peripheral area of plant premises. A minimum of 25% of the total project area shall be maintained as greenbelt/plantation, considering the project falls under the Red Category. The EAC deliberated on the greenbelt action plan and is of the opinion that 33% greenbelt shall be maintained in the existing project area of 120 ha, whereas PP may undertake greenbelt in the 25% of the additional project area of 30 ha in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. The greenbelt development shall be completed within a period of 1 year.

19. PP reported that few trees will be cleared during installation of Line-II. Permission has been obtained from Forest Department, Govt. of Andhra Pradesh vide Rc. No. 2149/2025/A8 dated 26.12.2025. The Committee emphasized that tree felling shall be limited to bare minimum and in consultation and supervision of State Forest Department.

20. The Committee deliberated on the details of carbon footprint and carbon sequestration study with respect to the proposed project. The Committee noted that the Project Proponent has submitted the revised Life Cycle Assessment and Carbon Sequestration Study in line with the recommendations of ICFRE, and the same was found to be satisfactory.

21. The EAC deliberated on the other written submissions of the project proponent and found it satisfactory.

22. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be implemented.

23. 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.

24. 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.

25. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

#### **Recommendations of the Committee:**

8. In view of the foregoing and after detailed deliberations, the committee **recommended** the instant proposal under the provisions of EIA Notification, 2006 for grant of Environment Clearance subject to uploading of written submission placed before EAC on PARIVESH portal. The EAC categorically noted that the recommendation to grant EC is technical in nature under the provisions of the EIA Notification 2006, and subject to the fulfilment of commitments made by the PP to secure all the permissions/ approvals/ consents from Central/ State Authorities, as may be required. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/ statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013. The specific and general conditions are mentioned below:

9. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to **grant Environment Clearance** for instant proposal of **M/s. Dalmia Cement (Bharat) Ltd** subject to the specific conditions and general conditions (**Annexure-I**).

10. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

12. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

13. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

14. This issues with approval of the competent authority.

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#### Copy To

1. The Monitoring Cell MoEFCC, Compliance & Monitoring Division, Indira Paryavaran Bhawan Jor Bagh Road New Delhi, South, Delhi, moefcc-monitoring@gov.in
2. The District Collector, DC Office, Ysr District Kadapa (Cuddapah), Y.S.R., Andhra Pradesh, collector\_kdp@ap.gov.in
3. The Member Secretary, CGWA, 18/11 Jamnagar House Man Singh Road, Central, Delhi, cgwa@nic.in
4. The Member Secretary, CPCB, Parivesh Bhawan Cbd-Cum-Office Complex East Arjun Nagar, East, Delhi, mscb.cpcb@nic.in
5. The Deputy Director General, Regional Office, Assistant Inspector General Of Forests (C) Ministry Of Environment Forest And Climate Change Sub Office Vijayawada Green House Gopalareddy Road Vijayawada – 520010 Andhra Pradesh, N/A, N/A, iro.vijayawada-mefcc@gov.in
6. The Member Secretary, SPCB/PCC, D.No. 33-26-14 D/2 Near Sunrise Hospital Kasturibaipet, Vijayawada, Andhra Pradesh, membersecy@appcb.gov.in

**Annexure 1**

#### Specific EC Conditions for (Cement Plants)

##### 1. Specific

S. No	EC Conditions
1.1	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
1.2	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
1.3	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.

S. No	EC Conditions
1.4	Chinnakomerla at 20 m in South, Dugganapalli village located at about 110 m and Nawabpet village at about 540 m, Peda Komerla at 0.95 km from the project site. Educational institutions in the vicinity include Z.P. High School and MPP Schools at Chinnakomerla (~30 m, SE), Primary School at Dugganapalli (~0.9 km, W), and MPP School at Nawabpet (~0.71 km, NNE). A religious structure, Sri Mulamma Temple, is located at approximately 290 m in the west direction. Water bodies in the vicinity include Tigaleru River at about 1.85 km towards the east, a nala at about 20 m in the north-east direction, Nossam Branch Canal at about 1.5 km in the south-east direction along with other sensitive receptors within the study area of the project site. Project Proponent shall implement a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3 km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, forests, ASI site, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities. The PP shall also include some of these locations in its environmental monitoring programme.
1.5	Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
1.6	Project Proponent shall strictly comply with all conditions stipulated in the NOC issued by the Water Resources Department vide letter no. TW/ATO/785 dated 15.11.2025 and implement the recommended measures for widening, desilting, bank strengthening, and improvement of the cross-sectional profile of Alugu Vagu, with the committed financial outlay of Rs. 5.5 Crores, in a time-bound manner in coordination with the concerned authorities. Project Proponent shall ensure that no obstruction to the natural flow of Alugu Vagu or alteration of the natural drainage pattern occurs at any stage of construction or operation of the project, and the undertaking/affidavit submitted in this regard shall be strictly adhered to. Progress and compliance status shall be submitted periodically to the Integrated Regional Office (IRO), MoEF&CC.
1.7	Further, water bodies in the vicinity include Tigaleru River at about 1.85 km towards the east, Nossam Branch Canal at about 1.5 km in the south-east direction along with other water bodies within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented for all the water bodies.
1.8	Total water requirement after proposed expansion will be 3850 KLD out of which 3475 KLD fresh water (1800 KLD ground water existing permission, No change and remaining from Rainwater at Mine & plant) and 375 KLD treated water. PP shall secure the required approval from the appropriate authority.
1.9	Green Belt shall be developed and maintained in the 33% of existing project area of 120 ha, whereas PP to undertake greenbelt in the 25% of the additional project area of 30 ha as proposed in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. The greenbelt development in the additional project area shall be completed within a period of one year. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
1.10	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the

S. No	EC Conditions
	earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at ( <a href="https://merilife.nic.in">https://merilife.nic.in</a> ).
1.11	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented, which is amounting to approx. Rs. 42 Crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. Project Proponent shall also ensure to comply with the directions of the Hon'ble Lokayukta vide order dated 05.09.2024 and the recommendations of the High-Level Grievance Redressal Committee constituted by the Government of Andhra Pradesh vide G.O. Ms. No. 90 dated 17.12.2024, as approved by the District Collector & District Magistrate, Kadapa vide letter dated 22.12.2025. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
1.12	PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
1.13	The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.
1.14	PP shall Install CO sensors with alarms at strategic locations in the Plant.
1.15	PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
1.16	PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported
1.17	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and

S. No	EC Conditions
	submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
1.18	The project proponent shall implement training and awareness programmes on natural/organic farming in consultation with the local Gram Panchayat, including distribution of quality seeds, promotion of organic farming practices, and facilitation of linkages for procurement of organic inputs, as committed. The activities shall be carried out in a structured and time-bound manner with measurable outcomes.
1.19	The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
1.20	PP shall implement a Green Mobility Plan within the plant premises in a phased manner, including the use of electric transport for employees and materials, to minimize vehicular emissions and congestion.
1.21	PP shall install windscreen barriers/ wind-breaking walls along village-facing boundaries to reduce dust dispersion.
1.22	Tree felling shall be limited to the bare minimum and shall be undertaken only after obtaining due permission and under the consultation and supervision of the State Forest Department.

#### Standard EC Conditions for (Cement plants)

#### 1. Statutory Compliance

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

#### 2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier

S. No	EC Conditions
	specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
2.3	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.4	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
2.5	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
2.8	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
2.9	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.10	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
2.11	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.12	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
2.13	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.14	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.

S. No	EC Conditions
2.15	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm <sup>3</sup> and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
2.16	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.

### 3. Air Quality Monitoring And Preservation In Case Of Integrated Cement Plants

S. No	EC Conditions
3.1	Provide Low NO <sub>x</sub> burners as primary measures and SCR /NSCR technologies as secondary measure to control NO <sub>x</sub> emissions.
3.2	The emission norms applicable for the cement plant shall be adhered to.
3.3	Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
3.4	DeSO <sub>x</sub> system shall be provided dry type. NO <sub>x</sub> level shall be maintained below 600 mg/Nm <sup>3</sup> by using best available technology.
3.5	Petcoke dosing shall be controlled automatically to control SO <sub>2</sub> emission from chimney within the prescribed limits.
3.6	PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
3.7	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
3.8	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
3.9	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m <sup>3</sup> , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.

### 4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment

S. No	EC Conditions
	(Protection) Act, 1986 or NABL accredited laboratories.
4.2	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
4.3	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.4	Water meters shall be provided at the inlet to all unit processes in the plants.
4.5	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
4.6	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
4.7	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
4.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
4.9	Air Cooled condensers shall be used in the captive power plant.

### 5. Noise Monitoring And Prevention

S. No	EC Conditions
5.1	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
5.2	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
5.3	PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

### 6. Energy Conservation Measures

S. No	EC Conditions
6.1	Provide solar power generation on roof tops of buildings, for solar light system for all common

S. No	EC Conditions
	areas, street lights, parking around project area and maintain the same regularly;
6.2	Provide LED lights in their offices and residential areas.

#### 7. Energy Conservation Measures In Case Of Integrated Cement Plants

S. No	EC Conditions
7.1	The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
7.2	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
7.3	Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
7.4	Waste heat recovery system shall be provided for kiln and cooler.

#### 8. Waste Management

S. No	EC Conditions
8.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
8.2	Kitchen waste shall be composted or converted to biogas for further use.
8.3	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
8.4	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <a href="https://cpcb.nic.in/technical-guidelines-3/">https://cpcb.nic.in/technical-guidelines-3/</a> . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
8.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

#### 9. Green Belt

S. No	EC Conditions
9.1	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
9.2	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
9.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

### 10. Public Hearing And Human Health Issues

S. No	EC Conditions
10.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
10.2	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
10.3	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
10.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

### 11. Environment Management

S. No	EC Conditions
11.1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
11.2	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

S. No	EC Conditions
11.3	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
11.4	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

## 12. Miscellaneous

S. No	EC Conditions
12.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
12.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
12.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
12.4	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
12.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
12.6	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
12.7	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
12.8	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
12.9	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

S. No	EC Conditions
12.10	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
12.11	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
12.12	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
12.13	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
12.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
12.16	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
12.17	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

S. No	Particulars	Details															
a.	Terms of Reference for undertaking EIA study	01.07.2024															
b.	Period of baseline data collection	(October- December 2023)															
c.	Date of Public Consultation	27th March 2025															
d.	Action plan to address the PH issues	Action plan as per MoEF&CC O.M. dated 30/09/2020 to address the issues based on socio-economic study is attached as Annexure IV.															
e.	Location of the project	Village- Chinnakomerla & Dugganpalli, Mandal- Mylavaram, District- YSR Kadapa, State- Andhra Pradesh															
f.	Total land	150 ha (Private industrial Land)															
g.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	In possession of the company and converted for industrial use.															
h.	Existence of habitation & involvement of R&R, if any	<p><b>Project Site: Nil;</b> R &amp; R Plan is not applicable  <b>Study Area:</b> Villages nearby plant</p> <table border="1"> <thead> <tr> <th>Habitation</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Chinnakomerla</td> <td>0.02 Km</td> <td>S</td> </tr> <tr> <td>Dugganapalli</td> <td>0.11 Km</td> <td>W</td> </tr> <tr> <td>Nawabpeta</td> <td>0.54 Km</td> <td>N</td> </tr> <tr> <td>Peda Komerla</td> <td>0.95 Km</td> <td>ESE</td> </tr> </tbody> </table>	Habitation	Distance	Direction	Chinnakomerla	0.02 Km	S	Dugganapalli	0.11 Km	W	Nawabpeta	0.54 Km	N	Peda Komerla	0.95 Km	ESE
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Peda Komerla	0.95 Km	ESE															
i.	Elevation of the project site	Avg. 224 m above mean sea level															
j.	Involvement of Forest land if any.	No involvement of Forest Land.															
k.	Water body exists within the project site as well as study area	<p><b>Project site:</b> No water body exists within the plant site except artificial Rainwater Harvesting Ponds/reservoir created by the company.  <b>Study area:</b> Following water bodies falls within 10 km radius:</p> <table border="1"> <thead> <tr> <th>Water body</th> <th>Distance &amp; Direction</th> </tr> </thead> <tbody> <tr> <td><b>Nala</b></td> <td></td> </tr> <tr> <td>● Nallah/Vagu near Project area</td> <td>● 0.02 km in NE direction</td> </tr> </tbody> </table>	Water body	Distance & Direction	<b>Nala</b>		● Nallah/Vagu near Project area	● 0.02 km in NE direction									
Water body	Distance & Direction																
<b>Nala</b>																	
● Nallah/Vagu near Project area	● 0.02 km in NE direction																

S. No	Particulars	Details	
		<ul style="list-style-type: none"> <li>● Konda Vagu (Nala)</li> </ul>	<ul style="list-style-type: none"> <li>● 9.40 Km in ENE direction</li> </ul>
		<p><b>River:</b></p> <ul style="list-style-type: none"> <li>● Tigaleru River</li> <li>● Penneru River</li> </ul>	<ul style="list-style-type: none"> <li>● 1.85 km in East direction</li> <li>● 7.33 km in SSE direction</li> </ul>
		<p><b>Canal</b></p> <ul style="list-style-type: none"> <li>● Nossam Branch Canal</li> <li>● GNSS Canal</li> <li>● Mailavaram Cuddapah Left bank canal</li> </ul>	<ul style="list-style-type: none"> <li>● 1.5 km in SE direction</li> <li>● 4 km in West direction</li> <li>● 6.5 km in SSE direction</li> </ul>
		<p><b>Reservoir</b></p> <ul style="list-style-type: none"> <li>● Mylavaram Reservoir &amp; Dam</li> </ul>	<ul style="list-style-type: none"> <li>● 8.2 km in South direction</li> </ul>
l.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Nil	
m.	List of Reserved and protected forests	List of Reserved and protected forests: <ul style="list-style-type: none"> <li>o Protected Forest (PF)- None</li> <li>o Reserve forest - Pennar Plantation VIII, Compt. No. 62 (RF) – 9.61 km, SE</li> </ul>	
n.	CRZ	Not Applicable	
o.	Project cost	The capital cost of the proposed project is Rs 2500 Crores	
p.	EMP cost	The capital cost for environmental protection measures is proposed as Rs 251.79 Crores including. The annual recurring cost towards the environmental protection measures is proposed as Rs 13.47 Crores.	
q.	Employment opportunity	The employment generation from the proposed expansion is 960 persons (170 permanent & 790 contractual).	
r.	Water and Power requirement	Total water requirement after proposed expansion will be 3850 KLD. The power requirement for the proposed project is estimated as 65 MW and existing project 25 MW.	
s.	CPA/SPA	No	

The unit configuration and capacity of existing and proposed project are provided below.

Sl. No.	Plant Equipment/ Facility	Existing facilities as per EC dated 5 <sup>th</sup> April, 2007 and subsequent amendment dated 06.03.2023 under the provisions of S.O.980-(E).								Proposed Units		Final (Existing + Proposed)	
		Total (A+B)		Implemented (A)		Un-implemented (B)		As per CTO					
		Config.	Cap.	Config.	Cap.	Config.	Cap.	Config.	Cap.	Config.	Cap.	Config.	Cap.
1	Clinker	Kiln - 1 x 8000 TPD	2.6 Million TPA	Kiln - 1 x 8000 TPD	2.6 Million TPA	--	--	Kiln - 1 x 8000 TPD	2.6 Million TPA	Kiln - 15152 TPD	5 Million TPA	Kiln - 1 x 8000 TPD & Kiln 2-15152 TPD	7.6 Million TPA
2	Cement (OPC/PPC / PSC/ Composite Cement/ SRPC, GGBFS and other varieties of cement)	Mill-1: 420 TPH Mill 2: 160 TPH	4.6 Million TPA	Mill-1: 420 TPH Mill 2: 160 TPH	4.6 Million TPA	--	--	Mill-1: 420 TPH Mill 2: 160 TPH	4.6 Million TPA	2 cement mills circuit	8 (2X4) Million TPA	4 cement mills circuit	12.6 Million TPA
3	CPP	40	MW	--	--	40	MW	--	--	--	--	--	--
4	WHRS	12 MW	12 MW	12 MW	12 MW	--	--	12 MW	12 MW	16 MW	16 MW	28 MW	28 MW
5	D.G. Set	2x650 + 1x 250	2x650 + 1x 250	2x650 + 1x 250	2x650 + 1x 250	--	--	2x650 + 1x 250	2x650 + 1x 250	2 x 600 + 1 x 250	2 x 600 + 1 x 250	2 x 650 + 2 x 600 + 2 x 250	2 x 650 + 2 x 600 + 2 x 250
6	Colony	200 dwelling units	200 dwelling units/32 ha	60 dwelling units	60 dwelling units	140 dwelling units	140 dwelling units	60 dwelling units	60 dwelling units	128 dwelling units	128 dwelling units	188 dwelling units	188 dwelling units/ 32 ha

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

Total budget of Rs. 28.44 crore was allocated to address the issues raised during Public hearing for both Plant & mine (Rs 26.44 crore under the Cement Plant budget and remaining Rs 2 crore under the Mine budget). The Action plan has been further revised from Rs. 28.44 Crores to Rs. 42 Crores.

Detailed activity wise action plan to address the issues raised during Public Hearing for both Plant & mine with a cumulative budget of ₹ 42 Crores.

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year -1	Year-2	Year-3	Year-4
<b>i</b>	<b>Livelihood &amp; Skill Development</b>							
<b>1</b>	<b>Construction of a Multipurpose skill training hall and creation of Gausahala</b> on Community land in Nawabpet village benefitting a minimum of 800 villagers year on year	₹ 160.00	₹ 20.00	₹ 140.00	₹ 0.00	₹ 40.00	₹ 40.00	₹ 60.00
<b>2</b>	<b>Employment-based short-term skill training</b> like General Duty Assistant, Customer Service Management Non-Voice, Motor Mechanic, Mobile Repairing, Electric Motor Binding etc will be organised for the Youth in Dugganapalli, Nawabpet, Chinnakomerla, Talamanchipatnam & Madhavapuram and other locations vicinity villages. Around 350 Rural youth will be skilled for gainful employment.etc will be organised for the Youth in Dugganapalli, Nawabpet, Chinnakomerla, Talamanchipatnam & Madhavapuram and other location vicinity villages. Around 350 Rural youth will be skilled for gainful employment.	₹ 105.00	₹ 20.00	₹ 85.00	₹ 20.00	₹ 20.00	₹ 25.00	₹ 40.00
<b>3</b>	<b>Sewing training/value addition based self-employment</b> oriented training for women in the Villages of Dugganapalli, Nawabpet, Chinnakomerla, Talamanchipatnam and other local vicinity villages. Around 180 women from the above 4 villages will get the benefit.	₹ 35.00	₹ 5.00	₹ 30.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 5.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year -1	Year- 2	Year- 3	Year- 4
4	For strengthening of the <b>women self help groups</b> in Nawabpet, Duganpalli, Chinnakomerla, & Talmanchipattinam revolving fund support, 4 WSHG federation will be exclusively formed one per village for supporting the women under revolving fund support. This is expected to benefit around 300 women members every year.	₹ 120.00	₹ 20.00	₹ 100.00	₹ 30.00	₹ 30.00	₹ 30.00	₹ 30.00
5	<b>Strengthening of Village development committees (VDCs)</b> in Nawabpet, Duganpalli, Chinnakomerla, Talmanchipattinam and Madhavapuram to provide them with financial support for taking need revolving fund support for the youth, and farmers.	₹ 40.00	₹ 12	₹ 28	₹ 10	₹ 10	₹ 10	₹ 10.00
	<b>Sub Total : i</b>	<b>₹ 460.00</b>	<b>₹ 77.00</b>	<b>₹ 383.00</b>	<b>₹ 70.00</b>	<b>₹ 110.00</b>	<b>₹ 115.00</b>	<b>₹ 145.00</b>
ii	<b>Water Harvesting &amp; Conservation and for agriculture improvement</b>							
6	<b>Rejuvenation of ponds/ reservoirs, construction of check dams and maintenance of existing CD, drainage line treatment, bore well etc.</b> These activities will be taken-up in close consultation with the user groups. This is expected to benefit a minimum of 3,000 farmers spread across Nawabpet, Duganpalli, Chinnakomerla, Talmanchipattinam & Madhavapuram. And this will also benefit in recharging of the ground water table.	₹ 140.00	₹ 20.00	₹ 120.00	₹ 30.00	₹ 30.00	₹ 40.00	₹ 40.00
7	<b>Upgradation of Community based RO units</b> in Nawabpeta, Dugganapalli, Chinnakomerla and Talmanchipattinam & Madhavapuram benefitting more than 7,000 villagers. Water user group of each village will play an active role in maintenance of the units.	₹ 48.00	₹ 12.00	₹ 36.00	₹ 12.00	₹ 12.00	₹ 12.00	₹ 12.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year -1	Year-2	Year-3	Year-4
8	Support around 1,500 farmers from Nawabpet, Duganpalli, Chinnakomerala, Talmanchipattinam & Madhavapuram <b>under lift irrigation</b> . This initiative will help them to lift from the near by drains and irrigate their lands for gainful employment.	₹ 60.00	₹ 0.00	₹ 60.00	₹ 20.00	₹ 10.00	₹ 10.00	₹ 20.00
9	<b>Improving of Soil Fertility with Tank silt application</b> to agriculture fields in Talamanchipattinam, Chinnakomerala, Madhavapuram and Nawabpeta villages. This initiative is expected to benefit around 1,500 villagers.	₹ 40.00	₹ 10.00	₹ 30.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 10.00
10	Organise a minimum of 20 exposure visits for the farmers on improved cultivation, irrigation practises, this is expected to benefit around 900 farmers from Nawabpet, Duganapalli, Chinnakomerala, & Talmanchipattinam.	₹ 14.00	₹ 10.00	₹ 4.00	₹ 3.00	₹ 3.00	₹ 3.00	₹ 5.00
11	Various programmes to increase the productivity of the nearby agricultural fields such as <b>Scientific agriculture practices, Drip irrigation, Yellow Sticky Traps, Solar Light traps, Organic Inputs for cultivation, Sustainable agriculture and soil tests, weather-based advisory services, training to farmers, Farm Mechanisation (CHC), New technology initiatives</b> etc. This intervention has the potential to benefit nearly 6,000 farmers spread across Nawabpet, Duganapalli, Chinnakomerala, & Talmanchipattinam villages	₹ 85.00	₹ 40.00	₹ 45.00	₹ 20.00	₹ 20.00	₹ 20.00	₹ 25.00
12	Support in implementation of <b>PM Surya Ghar Yojna</b> in Nawabpeta, Talamanchipattinam & Madhavapuram, Dugganpalli, Chinnakomerala	₹ 100.00	₹ 0.00	₹ 100.00	₹ 25.00	₹ 25.00	₹ 25.00	₹ 25.00
13	<b>Installation of CAAQMS</b> in villages Dugganapalli (Mulamma Temple), Chinnakomerala and Nawabpeta	₹ 150.00	₹ 0.00	₹ 150.00	₹ 50.00	₹ 50.00	₹ 50.00	₹ 0.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year -1	Year-2	Year-3	Year-4
	<b>Sub Total : ii</b>	₹ 637.00	₹ 92.00	₹ 545.00	₹ 170.00	₹ 160.00	₹ 170.00	₹ 137.00
<b>iii</b>	<b>Social Infrastructure</b>							
<b>A</b>	<b>Community Infrastructure Development</b>							
14	<b>Construction of CC roads</b> -3000 meters (140 Lakhs per KM for Grubbing, Gravel filling, Concrete work.) in Talamanchipatnam & Madhavapuram, Chinnakomerla and Nawabpeta and Dugganapalli villages benefitting around 8,000 villagers.	₹ 485.00	₹ 0.00	₹ 485.00	₹ 80.00	₹ 80.00	₹ 100.00	₹ 225.00
15	<b>Gravel Roads for Field Connectivity</b> to increase access to farm fields in Talamanchipatnam & Madhavapuram, chinnakomerla and Nawabpeta and Dugganapalli villages benefitting around 4,000 villagers.	₹ 200.00	₹ 0.00	₹ 200.00	₹ 25.00	₹ 25.00	₹ 50.00	₹ 100.00
16	<b>Repair and maintenance of field roads/new causeway/culvert</b> in Nawabpeta, Talamanchipatnam & Madhavapuram and chinnakomerla covering around 3 kms.	₹ 50.00	₹ 0.00	₹ 50.00	₹ 10.00	₹ 15.00	₹ 10.00	₹ 15.00
17	Incentivizing of Plantation in Villages, Community Land etc. under " <b>Ek Ped Maa Ke Naam</b> "	₹ 6.00	₹ 0.00	₹ 6.00	₹ 1.00	₹ 1.00	₹ 2.00	₹ 2.00
18	<b>Hospital Construction</b> with 10 bedded facility 24/7 in one the project affected villages benefitting around 3,000 villagers every year.	₹ 450.00	₹ 0.00	₹ 450.00	₹ 0.00	₹ 200.00	₹ 100.00	₹ 150.00
19	Provide <b>E-riksha for Solid waste management</b> in Nawabpeta, Chinnakomerla and Talamanchipatnam & Madhavapuram	₹ 24.00	₹ 0.00	₹ 24.00	₹ 0.00	₹ 8.00	₹ 8.00	₹ 8.00
20	<b>Veterinary Dispensary</b> @ Nawabpet and hand it over to the Animal Husbandry department and <b>Animal Health Camps</b> for Dairy Animals and Small Ruminants in Nawabpet, Talamanchipatnam &	₹ 60.00	₹ 30.00	₹ 30.00	₹ 10.00	₹ 20.00	₹ 10.00	₹ 20.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year -1	Year-2	Year-3	Year-4
	Madhavapuram, Chinnakomerla and Dugganapalli villages.							
21	<b>Solar Street lights</b> in village and common place for increasing night visibility in Nawabpet, Duganapalli, Chinnakomerla, & Talmanchipattinam benefitting around 3,000 villagers and <b>Electric Light Fittings</b> along with Nawabpeta-Chinnakomerla Road	₹ 28.00	₹ 7.00	₹ 21.00	₹ 7.00	₹ 7.00	₹ 7.00	₹ 7.00
22	Construction of an <b>overhead water tank</b> for household water supply (Chinnakomerla & Nawabpeta) benefitting around 2,000 villagers.	₹ 120.00	₹ 0.00	₹ 120.00	₹ 0.00	₹ 60.00	₹ 60.00	₹ 0.00
23	<b>Widening, deepening, bottom levelling, and bund formation of Alugu Vagu</b> to prevent rainwater overflow into nearby agricultural fields Nawabpet, Duganapalli, Chinnakomerla, & Talmanchipattinam benefitting nearly 7,000 villages.	₹ 550.00	₹ 0.00	₹ 550.00	₹ 0.00	₹ 350.00	₹ 200.00	₹ 0.00
24	<b>Construction of four Bus Shelters</b> one each at Talmanchipatnam, Madhavapuram, Dugganapalle, Chinnakomerla junction/Nawabpeta	₹ 20.00	₹ 10.00	₹ 10.00	₹ 5.00	₹ 5.00	₹ 5.00	₹ 5.00
25	<b>Construction of Playground</b> in Chinnakomerla & Dugganapalli Village with basic infrastructure benefitting around 3,000 villagers including the youths, & school children.	₹ 40.00	₹ 0.00	₹ 40.00	₹ 0.00	₹ 20.00	₹ 0.00	₹ 20.00
26	In depth Study of drainage of Village Dugganapalle by reputed Institute and implementation of suggestion in consultation with Panchayat and District Authorities	₹ 150.00	₹ 100	₹ 50	₹ 30	₹ 30	₹ 40	₹ 50
27	<b>Distribution of Home Composters</b> in 300 houses of villages Dugganapalle, Chinnakomerla junction & Nawabpeta	₹ 15.00	₹ 0	₹ 15	₹ 5	₹ 5	₹ 5	₹ 0

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year -1	Year-2	Year-3	Year-4
28	<b>Water supply pipeline/ New bore-well</b> for Dhobi Ghat in Nawabpeta benefitting around 100 villagers.	₹ 4.00	₹ 4.00	₹ 0.00	₹ 0.00	₹ 4.00	₹ 0.00	₹ 0.00
	<b>Sub-total A</b>	₹ 2,202.00	₹ 151.00	₹ 2,051.00	₹ 173.00	₹ 830.00	₹ 597.00	₹ 602.00
<b>B</b>	<b>Health &amp; Sanitation</b>							
29	<b>Face lifting of the health sub-centres</b> catering to the Villagers in Nawabpet, Dugganapalli, Talamanchipattnam, and Chinnakomerla. Activities will include provision of health care equipments.	₹ 40.00	₹ 10.00	₹ 30.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 10.00
30	<b>Organizing vaccination programs and other free medical camps</b> (12 camps per village/per year) in Nawabpeta, Dugganapalli, Chinnakomerla and Talamanchipattnam & Madhavapuram. This benefit around 7,000 villages year-on-year.	₹ 48.00	₹ 0.00	₹ 48.00	₹ 12.00	₹ 12.00	₹ 12.00	₹ 12.00
31	Organise 80 <b>awareness camps</b> on Menstrual hygiene, reproductive health and Nutrition, 20 awareness programme for Nawabpeta, Dugganapalli, Chinnakomerla and Talamanchipattnam & Madhavapuram villages. This benefit around 3,000 villages year-on-year.	₹ 8.00	₹ 0.00	₹ 8.00	₹ 2.00	₹ 2.00	₹ 2.00	₹ 2.00
32	<b>Open-Jim</b> in village Chinnakomerla, Talamanchipattnam & Nawabpeta	₹ 15.00	₹ 0.00	₹ 15.00	₹ 5.00	₹ 5.00	₹ 5.00	₹ 0.00
	<b>Sub-total B</b>	₹ 111.00	₹ 10.00	₹ 101.00	₹ 29.00	₹ 29.00	₹ 29.00	₹ 24.00
<b>C</b>	<b>Education</b>							
33	<b>Development of School infrastructure</b> at Chinnakomerla, Talamanchipattnam, Madhavapuram, Nawabpeta and Dugganapalli villages. Development of class rooms, Smartboards, Internet facilities, Girls toilets in Schools, drinking water, improving sanitation facilities, sports equipment, other facilities, and	₹ 100.00	₹ 10.00	₹ 90.00	₹ 20.00	₹ 20.00	₹ 20.00	₹ 40.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year -1	Year-2	Year-3	Year-4
	laboratory equipment etc. in Z.P High School & MPP Schools (2 Nos) in Chinnakomerla, MPP school in Nawabpeta, MPP schools (2 Nos) in Talamanchipatnam & Madhavapuram. Overall this intervention will benefit a minimum of around 2,000 school children.							
34	<b>Computer lab and Science Lab</b> at Z.P. High School in Chinnakomerla & other nearby village benefitting around 250 children.	₹ 60.00	₹ 5.00	₹ 55.00	₹ 12.00	₹ 12.00	₹ 12.00	₹ 24.00
35	Increasing the height of the <b>compound wall / Construction of a new wall/ other need based infrastructure</b> at MPP school in Chinnakomerla and MPP school in Nawabpeta benefitting around 1,300 students.	₹ 40.00	₹ 0.00	₹ 40.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 10.00
36	<b>Construction of New Anganwadi Centre</b> in Chinnakomerla, Nawabpeta and Talamanchipatnam & Madhavapuram villages benefitting around 120 toddlers.	₹ 90.00	₹ 30.00	₹ 60.00	₹ 30.00	₹ 30.00	₹ 30.00	₹ 0.00
37	<b>Bala Painting and Playing kits</b> to 5 Anganwadi centres in Chinnakomerla (2 Nos) , Nawabpeta, Talamanchipatnam & Madhavapuram and Dugganapalli villages benefitting around 200 toddlers.	₹ 12.00	₹ 0.00	₹ 12.00	₹ 4.00	₹ 4.00	₹ 2.00	₹ 2.00
38	Need-based requirements of the community during project implementation covering Nawabpet, Duganapalli, Chinnakomerla, Talmanchipattinam & Madhavapuram. Amount earmarked for undertaking developmental activities on the request of local administration during project execution	₹ 400.00	₹ 20.00	₹ 380.00	₹ 50.00	₹ 75.00	₹ 75.00	₹ 200.00
39	<b>Provision of transport facility</b> for students to Dalmia Vidya Mandir /chinnakomerla High school. Students form Dugganapalli, Nawabpet,	₹ 40.00	₹ 0.00	₹ 40.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 10.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year -1	Year-2	Year-3	Year-4
	Chinnakomerla and Talamanchipatnam benefitting around 200 children.							
40	<b>Scholarships</b> will be provided to economically disadvantaged and meritorious students from Nawabpet, Duganapalli, Chinnakomerla, & Talamanchipattinam benefitting around 150 children.	₹ 20.00	₹ 0.00	₹ 20.00	₹ 5.00	₹ 5.00	₹ 5.00	₹ 5.00
41	<b>Sports kits</b> to students of schools in Nawabpet, Chinnakomerla, & Talamanchipattinam benefitting 100 students	₹ 8.00	₹ 0.00	₹ 8.00	₹ 2.00	₹ 2.00	₹ 2.00	₹ 2.00
42	Celebration of important days such as Women's Day, Environment Day, Children's Day, Independence Day, etc Nawabpet, Duganapalli, Chinnakomerla, & Talamanchipattinam.	₹ 20.00	₹ 3.00	₹ 17.00	₹ 5.00	₹ 5.00	₹ 5.00	₹ 5.00
	<b>Sub-total C</b>	₹ 790.00	₹ 68.00	₹ 722.00	₹ 148.00	₹ 173.00	₹ 171.00	₹ 298.00
	<b>Grand Total (i + ii + iii)</b>	₹ 4,200.00	₹ 398.00	₹ 3,802.00	₹ 590.00	₹ 1,302.00	₹ 1,082.00	₹ 1,206.00
<b>NOTE:</b> The nature of activities and villages may vary during the execution phase in consultation with local authorities/district administration/local demand & necessity, within the overall proposed budget.								