



सत्यमेव जयते

File No: J-11011/119/2007-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 07/12/2024



To,

M/s. DALMIA CEMENT (BHARAT) LIMITED
M/s Dalmia Cement (Bharat) Ltd. Dalmiapuram, P.O. Kallakudi, Registered address: M/s. Dalmia Cement(Bharat) Ltd., Dalmiapuram, P.O.Kallakudi, Dist.-Tiruchirappalli (TamilNadu) - 621 651, TIRUCHIRAPPALLI, TAMIL NADU, , 621651
Email: env.head@dalmiacement.com

Subject: Expansion of Integrated Cement Plant- Clinker from 2.6 Million TPA to 9.1 Million TPA (New lines 2 x 3.25 Million TPA), Cement from 4.0 Million TPA to 9.0 Million TPA (New lines 2 x 2.5 Million TPA) and WHRS from 12 MW to 42 MW (New 2 x 15 MW) by M/s. Dalmia Cement (Bharat) Ltd, located At Village: Yadwad, Taluka: Mudalagi (Earlier Gokak), District: Belagavi, Karnataka-Grant of Environmental Clearance-Regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/KA/IND1/496262/2024 dated 08/10/2024 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24A1101KA5422387N
(ii) File No.	J-11011/119/2007-IA-II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(b) Cement plants ,8(a) Building / Construction ,1(d) Thermal Power Plants
(vi) Sector	Industrial Projects - 1 Expansion of Integrated Cement Plant- Clinker from 2.6 Million TPA to 9.1 Million TPA (New lines 2 x 3.25 Million TPA), Cement from 4.0 Million TPA to 9.0 Million TPA (New lines 2 x 2.5 Million TPA) and WHRS from 12 MW to 42 MW (New 2 x 15 MW) at Village: Yadwad, Taluka: Mudalagi (Earlier Gokak), District: Belagavi, Karnataka by M/s. Dalmia Cement (Bharat)
(vii) Name of Project	

	Limited
(viii) Name of Company/Organization	DALMIA CEMENT (BHARAT) LIMITED
(ix) Location of Project (District, State)	BELAGAVI, KARNATAKA
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The proposed project activity is listed at S. No. 3(b) Cement Plants under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.

4. The instant proposal was considered in the 68th EAC Meeting held during 5th – 6th November, 2024 wherein after detailed deliberations, the committee recommended the proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.

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

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

7. The EAC, in its 68th EAC Meeting held during 5th – 6th November, 2024, inter-alia, deliberated the following:

i. The instant proposal is for expansion of Integrated Cement Plant- Clinker from 2.6 Million TPA to 9.1 Million TPA (New lines 2 x 3.25 Million TPA), Cement from 4.0 Million TPA to 9.0 Million TPA (New lines 2 x 2.5 Million TPA) and WHRS from 12 MW to 42 MW (New 2 x 15 MW). No expansion is proposed in existing CPP of 27 MW.

ii. The existing project was accorded Environmental Clearance from MoEFCC, New Delhi for Cement- 4.0 MTPA, Clinker- 2.6 MTPA and Captive Power Plant-40 MW vide File no. J-11011/119/2007-IA (II)-I dated 24th June, 2008; validity extended for three years vide letter dated 11th August 2014. Company applied under NIPL as per provisions of amendment in EIA notification vide S.O. 980(E) dated 2nd March, 2021 and CFO expansion is obtained vide order no. AW-339176, PCB ID -31687, Inward No. 164681 dated 28th August 2023 as per the approval in the NIPL Technical Committee Meeting held on 24.03.2023 and ECM held on 31.07.2023, and valid for the period 36.06.2026 (co-terminus with existing CFO). The application under NIPL was made in compliance of Additional Condition no 4 of CFO obtained for WHRS vide letter no. AW-333959 dated 19th Oct. 2022 stating “The applicant shall comply with the MoEF&CC Notification No. S.O. 3518(E) dated 23rd Nov. 2016 within 120 days. Consent for Operate of Waste heat Recovery System was obtained from Karnataka State Pollution Control Board vide consent No: AW - 3339596 dated 19th Oct, 2022. The validity of CFO is up to 30th June, 2026.

iii. The Committee noted that the ToR was issued to the PP on 26.09.2019, and considering the exemption given for COVID period (01-04-2020 to 31-03-2021), the ToR was valid till 25-09-2024. The PP reported that at the time of grant of ToR the installed capacity of Cement Mill was 2.5 Million TPA only. Thereafter, company has obtained No Increase in Pollution Load and installed additional 1.5 Million TPA Cement Mill. Now, the total installed capacity of Cement is 4 Million TPA.

iv. The Committee noted that M/s. Dalmia Cement (Bharat) Limited had earlier made an online application for EC vide proposal no. IA/KA/IND1/458385/2024 dated 21.02.2024, which was appraised during 56th meeting of the EAC for Industry-I sector held on 14th-15th March, 2024 wherein the Committee recommended to return the proposal in its present form due to the shortcomings. It further noted that the PP made an application vide above-referred proposal, which was duly scrutinised by MoEFCC and thereafter, placed before EAC in March-2024 i.e. before the ToR expiry date of 25-09-2024. However, the Committee took a decision, then, to return the proposal in present form to enable the comprehensive collation of information in a single proposal, including revision of EIA/ EMP report. Hence, the instant consideration of proposal may be viewed in continuation to the previous deliberations of EAC only.

v. 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.

vi. 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.

vii. 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.

viii. 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.

ix. PP submitted that total plant area is 179.68 ha (Plant & Colony). Proposed expansion will be done within the existing plant premises (120 ha) and additional area continuous to the plant premises (59.68). The land use of 169.24 ha is industrial type and remaining 10.44 ha land use is currently agricultural type, will be converted to industrial use. Out of the total project area, 176.58 ha is under the possession of DCBL and for remaining 3.1 ha area agreement to Sell (ATS) has been signed. The EAC deliberated on the submission of PP and opined that PP shall complete the acquisition of total land and conversion for industrial prior to commencement of proposed expansion project.

x. As observed there are 16 Villages are falling within 10 km radius of the study area along with other sensitive areas within the study area of the project site. The EAC opined that proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.

xi. It is reported that there is a canal adjacent to the plant site in the West direction. Further there are several water bodies within the study area of the project site. The EAC opined that a robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be prepared and implemented.

xii. The PP reported that there is no interlinked project to the proposed project. However, M/s. Dalmia Cement (Bharat) Ltd. currently operates the Yadwad & Kunnal Limestone Mine (YKLM) in Belagavi, Karnataka, with an EC for 4.3 MTPA limestone production, granted on 13th March, 2015. To expand limestone production capacity from 4.3 MTPA to 14.1 MTPA, the company applied for Terms of Reference (ToR) as an independent project, which was recommended in the 34th meeting of non-Coal Mining sector on 4th October, 2024. In addition to YKLM's output, the company plans to secure limestone supply by transporting 9.46 MTPA from other four mines in Satna, Madhya Pradesh, and one mine in Chhattisgarh. This arrangement provides a total limestone security of 13.76 MTPA, sufficient for operational needs until the proposed expansion EC is granted. Thus, Dalmia Cement is now pursuing EC for this plant expansion as a standalone project. The EAC opined that PP shall ensure raw material security to meet the requirements of the instant proposed expansion project and obtain all the necessary permissions as applicable.

xiii. The total fresh water requirement after the expansion project will be 4085 KLD and 545 KLD of treated water will be used for greenbelt development and recycled back to the process. Source of water is/will be Ghatprabha River, ground water, sump rain water, augmented water in existing rain water harvesting ponds in plant and from Mine pit. The EAC is of the opinion that PP shall obtain necessary permission in this regard. The EAC also deliberated on the detailed information furnished by the project proponent regarding the usage of ground water and advised PP that no extra ground water shall be abstracted for the instant expansion plan.

xiv. The Committee has deliberated on the baseline data along and incremental GLC due to the proposed project and noted that baseline data for PM₁₀ and PM_{2.5} during baseline collection is recorded too high. The EAC opined that PP shall undertake stringent measures to minimise the levels of PM₁₀ and PM_{2.5}

xv. The PP reported that According to the Indian Wildlife Protection Act (IWPA) of 1972 and its amendments on 19th December, 2022, there are 11 Schedule-I species within a 10 km radius of the study area. These include the Jackal, Jungle Cat, Striped Hyena, Bonnet Monkey, Common Fox, Indian Chameleon, Indian Cobra, Indian Rat Snake, Mongoose, Yellow-crowned Woodpecker, and Cotton Pygmy Goose. A Wildlife Conservation Plan for these species has been approved by the Principal Chief Conservator of Forests (PCCF) and Chief Wildlife Warden (CWW) in Bangalore, with a budget of 150 lakh rupees, as per letter no. PCCF/WLD/CR-60/2022-23 (797239) dated 24th September, 2024. The EAC opined that PP shall strictly comply with the recommendations made in the Wildlife Conservation Plan in consultation with the State Forest Department.

xvi. The Committee also deliberated on the public hearing issues along with revised action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.

xvii. PP reported that existing greenbelt has been developed in 40 ha area which is about 33% of the total project area of 120 ha and in additional contiguous area of 12.54 ha out of the total proposed plant area of 170.37 ha (Total 52.54 ha is already covered under greenbelt/plantation) with total sapling of 131344. Proposed greenbelt will be developed in 6.76 ha which is about 4% of the total project area. Thus, total of 59.30 ha area (33 % of total project area) will be developed as greenbelt. Total no. of 16900 saplings will be planted and nurtured in 6.76 hectares in 2 years. The EAC deliberated on the greenbelt details submitted by the project proponent and is of the opinion that greenbelt shall be completed within a period of 1 year.

xviii. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

xix. The committee deliberated on the certified compliance report of IRO and found it satisfactory.

xx. The EAC also deliberated on the addition information furnished by the project proponent w.r.t. the issues raised in the earlier EC application and found it satisfactory.

xxi. The EAC deliberated on the written submission of the project proponent and found it satisfactory.

xxii. 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.

xxiii. 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.

xxiv. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to

most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

8. The EAC (Industry-1 Sector), in its 68th EAC Meeting held during 5th – 6th November, 2024, 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 EC conditions as detailed in the point 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) Limited** under the provisions of EIA Notification, 2006 subject to the following 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.

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

Copy To

1. Secretary, Department of Environment, Government of Karnataka, Secretariat, Bangalore-560 001.
2. Chairman, Karnataka State Pollution Control Board, No. 25, 6– 9th Floor, Public Utility Building, M.G. Road, Bangalore – 560 001.
3. Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, Koramangala II Block, Bangalore – 560034
4. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
5. Member Secretary, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G. Marg, New Delhi-110001.
6. Chief Wildlife Warden, Govt. of Karnataka, Aranya Bhawan, 18th Cross, Malleswaram, Bangalore-560003
7. District Collector, Belagavi District, Karnataka.
8. Guard File/ Monitoring File/ Website/ Record File/ Parivesh Portal.

(Dinesh Runiwal)
Scientist 'F'/Director

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.
1.4	PP shall complete the acquisition of total land and conversion for industrial prior to commencement of proposed expansion project.
1.5	As observed there are 16 Villages are falling within 10 km radius of the study area along with other sensitive areas within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
1.6	It is reported that there is a canal adjacent to the plant site in the West direction. Further there are several water bodies within the study area of the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
1.7	PP shall ensure raw material security to meet the requirements of the instant proposed expansion project and obtain all the necessary permissions as applicable.
1.8	The total fresh water requirement after the expansion project shall be 4085 KLD and 545 KLD of treated water will be used for greenbelt development and recycled back to the process. Source of water shall be Ghatprabha River, ground water, sump rain water, augmented water in existing rain water harvesting ponds in plant and from Mine pit. PP shall obtain necessary permission in this regard. No ground water shall be abstracted for any further expansion plans. Further PP shall comply with the the conditions as stated in ACS letter no. WRD 45 NIN 2024, dated 20th September, 2024 w.r.t. drawing water from the Ghatprabha river.
1.9	Three tier Green Belt shall develop greenbelt in atleast 33% of the project area, in a period of 1 year, of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with

S. No	EC Conditions
	windshield inside the plant premises to act as green barrier for air pollution & noise levels towards sensitive areas nearby project site. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
1.10	PP shall undertake stringent measures to minimise the levels of PM10 and PM2.5. Further PP shall strictly implement comprehensive action plan to mitigate fugitive dust emissions due to the proposed project activity.
1.11	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs. 58.345 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
1.12	The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village.
1.13	The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
1.14	The PP shall comply with the conditions stipulated in the permission obtained under NIPL
1.15	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked 33% greenbelt area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in)
1.16	Water sprinkling may be carried out on village roads to suppress dust

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 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
2.3	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.4	Sampling facility at process stacks and at quenching towers 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	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
2.10	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.11	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
2.12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.13	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured

S. No	EC Conditions
	and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
2.14	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.15	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
2.16	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
2.17	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.

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

S. No	EC Conditions
3.1	Provide Low NO _x burners as primary measures and SCR /NSCR technologies as secondary measure to control NO _x 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 _x system shall be provided dry type. NO _x level shall be maintained below 600 mg/Nm ³ by using best available technology.
3.5	Petcoke dosing shall be controlled automatically to control SO ₂ 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 ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.

S. No	EC Conditions
3.10	Construct annual Wind Rose Diagrams (for all seasons). Use data from secondary sources, if required.

4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.2	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
4.3	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.4	Water meters shall be provided at the inlet to all unit processes in the steel plants.
4.5	The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
4.6	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
4.7	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
4.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
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.

S. No	EC Conditions
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 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 https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people

S. No	EC Conditions
	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.

S. No	EC Conditions
	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 approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
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 report 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.
11.5	Monitor the health of the soil in the vicinity of the Plant (5 K.M. radius) periodically (once a year) and report to the IRO.

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

S. No	EC Conditions
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.
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.

Additional EC Conditions

NA

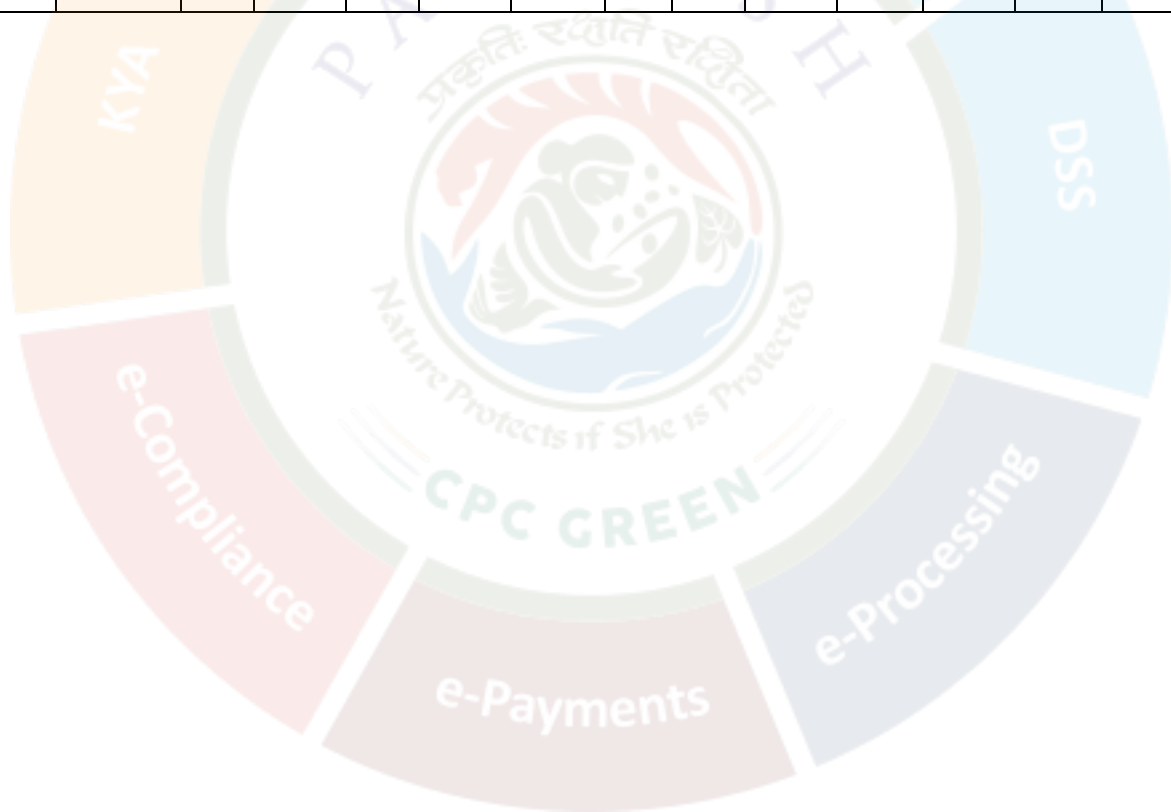
S.No	Particulars	Details									
a.	Terms of Reference for undertaking EIA study	26.09.2019									
b.	Period of baseline data collection	1 st October 2022 to 31 st December 2022									
c.	Date of Public Consultation	27 th August, 2021									
d.	Action plan to address the PH issues	Public Hearing and need based activities detail proposed are attached as Annexure IV .									
e.	Location of the project	Located at village: Yadwad, Taluka: Mudalagi (Earlier Gokak), District: Belagavi, Karnataka									
f.	Total land	Total plant area is 179.68 ha (Plant & Colony). Proposed expansion will be done within the existing plant premises (120 ha) and additional area continuous to the plant premises (59.68).									
g.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Total plant area is 179.68 Ha and Out of the total project area 176.58 ha is under the possession of company and for remaining 3.1 ha area agreement to Sell (ATS) has been signed.									
h.	Existence of habitation & involvement of R&R, if any	<p>Project Site: No habitation exists within the plant site. Rehabilitation and Re-settlement not applicable.</p> <p>Study Area: Villages nearby the plant site is given below:</p> <table border="1"> <thead> <tr> <th>Habitation</th> <th>Distance (km)</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Village Manami</td> <td>~2.0</td> <td>WSW</td> </tr> </tbody> </table> <p>However, 16 Villages are falling within 10 km radius of the study area.</p>	Habitation	Distance (km)	Direction	Village Manami	~2.0	WSW			
Habitation	Distance (km)	Direction									
Village Manami	~2.0	WSW									
i.	Elevation of the project site	Plant - 597 m to 610 m above mean sea level and the worker colony - 589- 593 m above mean sea level.									
j.	Involvement of Forest land if any.	No forest land is involved.									
k.	Water body exists within the project site as well as study area	<p>Project Site: No water body exists within the plant site.</p> <p>Study area: Following water bodies are fall in the 10 km radius study area:</p> <table border="1"> <thead> <tr> <th>Water body</th> <th>Distance (km)</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Canal</td> <td>Adjacent to Plant</td> <td>West</td> </tr> <tr> <td>Dodda Halla</td> <td>1.5</td> <td>West</td> </tr> </tbody> </table>	Water body	Distance (km)	Direction	Canal	Adjacent to Plant	West	Dodda Halla	1.5	West
Water body	Distance (km)	Direction									
Canal	Adjacent to Plant	West									
Dodda Halla	1.5	West									

S.No	Particulars	Details																													
		Kullur Halla	4.0	South																											
		Aqueduct	4.5	West																											
		Simmi Halla	5.0	NNE																											
		Halpana Halla	5.5	NW																											
		Kanni Halla	6.5	NNE																											
		Hulkund Halla	7.0	SW																											
		Kallumatti Halla	7.0	SSW																											
		Jalimatti Halla	7.5	SSW																											
		Yadawad Halla	8.0	NNW																											
		Timmapur Halla	9.0	WNW																											
l.	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>List of Reserved and Protected Forest: Details of Forests are as follows:</p> <table border="1"> <thead> <tr> <th>Forest</th> <th>Distance (km)</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Budni RF</td> <td>4.0</td> <td>NE</td> </tr> <tr> <td>Reserve Forest</td> <td>5.5</td> <td>NNE</td> </tr> <tr> <td>Reserve Forest</td> <td>7.0</td> <td>SSW</td> </tr> <tr> <td>Reserve Forest</td> <td>7.5</td> <td>ENE</td> </tr> <tr> <td>Ranjanagi & Uttur RF</td> <td>8.0</td> <td>North</td> </tr> <tr> <td>Reserve Forest</td> <td>8.0</td> <td>NE</td> </tr> <tr> <td>Jaliber RF</td> <td>8.5</td> <td>NNE</td> </tr> <tr> <td>Chippal Katti RF</td> <td>8.5</td> <td>SSW</td> </tr> </tbody> </table>			Forest	Distance (km)	Direction	Budni RF	4.0	NE	Reserve Forest	5.5	NNE	Reserve Forest	7.0	SSW	Reserve Forest	7.5	ENE	Ranjanagi & Uttur RF	8.0	North	Reserve Forest	8.0	NE	Jaliber RF	8.5	NNE	Chippal Katti RF	8.5	SSW
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m.	Project cost	The capital cost of the proposed project is Rs. 3860 crores																													
n.	EMP cost	EMP	Capital (Rs. in Crores)	Recurring (Rs. in Crores)																											
			336 Crores	34 Crores																											
o.	Employment opportunity	The employment generation from the expansion project is about 120-person regular employees and 1000 persons as contractual																													
p.	Water and Power requirement	Total water requirement will be 4630 m ³ /day. Power – Total power requirement for the proposed project will be around 115 MW.																													
q.	CPA/SPA	The plant site is not located in CPA/SPA																													

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

S. No.	Plant Equipment / Facility	Existing Facilities as per EC dated 29 th April, 2011								Proposed Unit		Final (Existing + Proposed)	
		Total (A + B)		Implemented (A)		Un - implemented (B)		As per CTO					
		Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity
1.	Clinker *	Kiln: 1 x 8000 TPD	2.6 Million TPA	Kiln: 1 x 8000 TPD	2.6 Million TPA	Nil	Nil	Kiln: 1 x 8000 TPD	2.6 Million TPA	Kiln: 2 x 10000 , TPD for Line II & III	6.5 Million TPA	Kiln: 1 x 8000 + 2 x 10000 , TPD	9.1 Million TPA
2.	Cement	Mill: 550 TPH	4.0 Million TPA	Mill: 1 x 360 TPH & 1 x 190 TPH	4.0 Million TPA	-	-	Mill: 550 TPH	4.0 Million TPA	2 x 350 TPH for Line II & III	5.0 Million TPA	Mill: 1 x 550 fir Line - I + 2 x 350 TPH for Line II & III	9.0 Million TPA
3.	CPP	40 MW	40 MW	27 MW	27 MW	13 MW	13 MW	27 MW	27 MW	Nil	Nil	27 MW	27 MW
4.	WHRS	Nil	Nil	12 MW with Line - I	12 MW with Line - I	Nil	Nil	12 MW with Line - I	12 MW with Line I	2 x 15 MW with Line II & III	30 MW	12 MW with Line I + 2 x 15 MW with Line	42 MW

S. No.	Plant Equipment / Facility	Existing Facilities as per EC dated 29 th April, 2011								Proposed Unit		Final (Existing + Proposed)	
		Total (A + B)		Implemented (A)		Un - implemented (B)		As per CTO					
		Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity
												II & III	
5.	D.G. Sets	3 x 500 KVA	1500 KVA	3 x 500 KVA	1500 KVA	Nil	Nil	3 x 500 KVA	1500 KVA	2 x 750 KVA	1500 KVA	3 x 500 + 2 x 750	3000



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

Program	Program Activities	Unit	No. of Units	Total Cost (Lakhs)	01 st Year	02 nd Year	03 rd Year
Climate Change (Water and energy Conservation)	Water Augmentation for Irrigation (Pond deepening and desilting in project villages, by which we can harvest 7333 * 2 m ³ of water	Nos	5	50	2 Nos in Yadwad (1 No); Manami (1 No)	2 Nos in Kopadatti (1 No); Kamanakatti (1 No)	1 Nos in Gulaganjikoppa (1 No)
	Construction of Borewell for recharge (Defunct Borewell recharging with new technology)	Nos	45	90	10 Nos in Yadwad (4 Nos); Manami (4Nos); Kunnal (2 Nos)	20 Nos in Kunnal (5 Nos); Kopadatti (5 Nos); Yadwad (5 Nos); Manami (5 Nos)	15 Nos in Gulaganjikoppa (5 Nos); Kurabatti (5 Nos); Basavapatna (5 Nos)
	Construction of Check dam = [25 x 1 x 500 = 12500 x 4 = 50,000 m ³ water harvesting per filling]	Nos	3	100	Manami (1 No)	Kunnal (1 No)	Yadwad (1 No)
	Construction of Farm Ponds [21 x 21 x 3 = 1323 x 45 = 59535 m ³ water harvesting per filling]	Nos	90	90	30 Nos in Yadwad (16 Nos); Kunnal (10 Nos); Budni (4 Nos)	30 Nos in Yadwad (10 Nos); Kopadatti (10 Nos); Manami (10 Nos)	30 Nos in Kamanakatti (10 Nos); Yadwad (10 Nos); Manami (10 Nos)

Program	Program Activities	Unit	No. of Units	Total Cost (Lacs)	01 st Year	02 nd Year	03 rd Year
	Construction of 50,000 litre community water tank	Nos	1	100	-	1 No. in Yadwad village	-
	Construction of Rooftop rain water harvesting structures [750 m ³ x 30] water harvesting per filling	Nos	30	60	10 Nos in Yadwad (4 Nos); Basavapatna (4 Nos); Budni (2 Nos)	10 Nos in Kunnal (4 Nos); Manami (2 Nos); Harijanakeri (4 Nos)	10 Nos in Yadwad (4 Nos); Kurabatti (4 Nos); Manami (2 Nos)
	Solar electrification (Solar Electrical supply to common property, Solar study lamps, Solar grids in surrounding villages Yadwad, Basavapatna, Budni, Kunnal, Manami, Harijanakeri, Kurabatti, Kopadatti etc.	HH	90	67.5	30 Nos	30 Nos	30 Nos
	Installation of Solar Street lights	Nos	30	25	21 Nos Yadwad village	6 No. Kunnal village	3 No. Budni village
	Amount earmarked for undertaking developme	--	--	100	30	30	40

Program	Program Activities	Unit	No. of Units	Total Cost (Lacs)	01 st Year	02 nd Year	03 rd Year
	ntal activities on the request of local administration during project execution						
	Sub Total			682.5			
Educ ation	STEM Infrastructure in Govt. schools, SMART Classes	Nos	10	35	4 Nos in Yadwad (2 Nos); Kunnal (2 Nos)	4 Nos in Manami (2 Nos); Budni (2 Nos)	2 Nos in Basavapatna (1 No); Kopadatti (1 No)
	Sports development at schools (Providing of sports materials, ground development)	Nos	10	10	4 Nos in Yadwad (2 Nos); Manami (2 Nos)	4 Nos in Kopadatti (2 Nos); Kunnal (2 Nos)	2 Nos in Kurabatti (1 No.); Kamanakatti (1 No.)
	Drinking water System for schools (3 Schools) (1500 L/D)	Nos	3	12	1 Nos in	1 Nos in	1 Nos in
	Women Skill Development centre in Belagavi or Mudhol (1 No.)	Nos	1	90	1 in Belgaum or Mudhol	-	-
	Development of toilets at schools	Nos	5	30	4 Nos Yadwad village	1 Nos Kamanakatti village	-
	Development of Library in schools	Nos	4	12	1 No in Yadwad village	2 Nos Kunnal (1 Nos); Kamanakatti (1 Nos)	1 No Manami village

Program	Program Activities	Unit	No. of Units	Total Cost (Lacs)	01st Year	02nd Year	03rd Year
	Development of Science laboratory in high school & Colleges	Nos	2	6	1 No. Yadwad village	1 No. Kunnal village	-
	Development of Bhojanalaya	Nos	1	35	1 No. in Kunnal village	-	-
	Development of classroom	Nos	1	10	1 No. Yadwad school (Kurabatti)	-	-
	Amount earmarked for undertaking developmental activities on the request of local administration during project execution	--	--	100	30	30	40
Sub Total				340			
Social Infrastructure	1 Vet Ambulance to Forestry Department		1	25	Forest Department		
	Construction/ Development of Community Sanitation blocks	Nos	4	28	2 Nos Basavapatna (1 Nos); Manami (1 Nos)	2 Nos Yadwad (1 Nos); Kamanakatti (1 Nos)	-
	Construction of Individual sanitation blocks at	Nos	75	30	35 Nos Yadwad (25 Nos); Manami (10 Nos)	20 Nos Kamanakatti (10 Nos); Kopadatti (10 Nos)	20 Nos Manami (10 Nos); Yadwad (10 Nos)

Program	Program Activities	Unit	No. of Units	Total Cost (Lakhs)	01st Year	02nd Year	03rd Year
	individual houses						
	Community library (Renovation of the building, supply of smart TV and 5 tabs, supply of furniture)	Nos	1	5	-	1 No. at Yadwad	-
	Community RO plant installation (Installation of machine with civil construction)	Nos	3	18	1 No. Yadwad village	1 No. Kunnal village	1 No. Gulaganjikoppa village
	Construction/ Development of community hall (for community related programs) Requested by elected GP representatives/public representative	Nos	1	100	-	1 No. Yadwad village	-
	Construction of rural haat in partnership with NABARD	Nos	1	15	-	1 No. in Yadwad village	-
	Cultural Heritage	--	--	1950	To adopt and develop tourist amenities at Cultural Heritage sites in the state of Karnataka		

Program	Program Activities	Unit	No. of Units	Total Cost (Lacs)	01st Year	02nd Year	03rd Year
	Infrastructure development at Go Shala (Supplying of required materials)	Nos	1	15	1 No. Yadwad village	-	-
	Construction of Bus Shelters; facility for park development; common ground development; safety signs in crossings etc.	Nos	2	30	2 Nos. Yadwad village	-	-
	Road safety and development (Round about circle and landscaping) based on the requirement	Nos	1	20	Yadwad village	-	-
	Development of model village (Education, agriculture and socio economic development at Manami village)	Nos	1	234	1. Waste management (50 Lacs); 2. Open free defecation (50 Lacs); 3. Drainage line improvement (50 Lacs)	1. Income generation activity for 30 families (30 Lacs); 2. Renewable energy (30 Lacs)	1. School and Aanganbadi infrastructure development (20 Lacs); 2. Soil and water conservation (20 Lacs)

Program	Program Activities	Unit	No. of Units	Total Cost (Lakhs)	01 st Year	02 nd Year	03 rd Year
	Providing of four wheelers to health and education department	Nos	3	30	3 Nos. Mudalagi PHC (1 No.); Gokak PHC (1 No.); Mudalagi Education Dept. (1 No.)	-	-
	Amount earmarked for various community developmental activities on the request of local administration during project execution	--	--	100	30	30	40
	Sub Total			260			
				0			
Health	Infrastructure development at PHC and at sub centres (, supplying of modern medical equipment, etc.	Lms	1	30	-	1 in Yadwad village	-
	Supplying of hearing and other aids for physically and hearing impaired	People	250	25	100 People	100 People	50 People
	Providing of Ambulance to Belgaum	Nos	1	20	1 Ambulance to Belgaum institute of	-	-

Program	Program Activities	Unit	No. of Units	Total Cost (Lakhs)	01st Year	02nd Year	03rd Year
	institute of medical sciences				medical sciences		
	Providing of Ambulance to PHC in Haliyal Taluk	Nos	1	20	1 ambulance to haliyal Taluk		
	Providing infrastructure development at Veterinary Hospital at Yadwad (construction support, livestock checking pole, and supplying of medical equipment)	Nos	1	40	1 No. in Yadwad village	-	-
	Sub Total			135			
Livelihood	225 new micro enterprises for local women in 3 years.	No of business enterprises	225	45	75	75	75
	100 NRM units will be opened for locals (agri, Horti, dairy, water, solar) will be established for local youths providing services to	No of business enterprises	100	150	30 beneficiaries	35 beneficiaries	35 beneficiaries

Program	Program Activities	Unit	No. of Units	Total Cost (Lakhs)	01st Year	02nd Year	03rd Year
	nearby villages as a livelihood model.						
	3 Artificial Insemination Centres cum Vet Care centres will be set up in 3 different zones within the project villages. Village youths to operate such units as livelihood models. 1000 people to get additional income through this. Explore partnership project with an external agency.	No of units	3	120	1	1	1
	Setting up of 30 demonstration plots, agriculture implements, and post harvesting inputs over	Nos	2000	50	800 Farmers	800 Farmers	400 Farmers

Program	Program Activities	Unit	No. of Units	Total Cost (Lacs)	01 st Year	02 nd Year	03 rd Year
	3 years involving 1000 farmers on improved cultivation practices.						
	Support local community with livestock for increased livelihood for the local community.	Nos	1000	40	300 beneficiaries	300 beneficiaries	400 beneficiaries
		Sub Total		405			
Environment Management in nearby vicinity	Road construction (where and when required) Budni road to be given priority	Kms	7.6	700	Plant - Yadwad new Road (1.7 kms) Plant to Yadwad Road Repair (3.4 Kms)	Manami road (1 km) Plant to Budni New Road (0.5 km) (remaining road is already constructed by GOK)	Repair of Thondikatti Cart Road
	Plantation and Greenbelt development under campaign of 'Ek Ped Maa Ke Naam' [as a tribute to mothers of the employees and other stakeholders]	Nos	30,000	150	10000 Nos in Yadwad (5000 Nos); Manami (5000 Nos)	10000 Nos in Kunnal (5000 Nos); Kopadatti (5000 Nos)	10000 Nos in Yadwad (5000 Nos); Budni (5000 Nos)
	Water Sprinkler along roads	--	--	20	Water Sprinkler along roads of transportation in nearby villages		

Program	Program Activities	Unit	No. of Units	Total Cost (Lakhs)	01 st Year	02 nd Year	03 rd Year
	of nearby villages						
	Sub Total			870			
	Grand total			503 2.5			

NOTE: Nature of the activities & village can be interchanged from village to village may vary based on the outcome of need base analysis during the execution phase in coordination with local Authorities/District administration etc. within the overall budget proposed here for Socio- Economic Development Plan. Activities will be implemented in phased manner along with implementation of the proposed project.

Proposed Action Plan Model village and Adoption of the villages

Program	Program Activities	Unit	No. of Units	Total Cost (Lakhs)	01 st Year	02 nd Year	03 rd Year
Model Village Activities							
Education	School building boundary wall	Nos	3	120	1 Nos in Yadwad	1 Nos in Manami	1 Nos in Kunnal
	Anganwadi centre with recreational facilities for kids	Nos	3	90	1 Nos in Yadwad	1 Nos in Manami	1 Nos in Kunnal
Health & Sanitation	Toilet block construction school	Nos	5	125	3 Nos in Yadwad	1 Nos in Manami	1 Nos in Kunnal
	Providing Sports Kit to schools (Football/ volleyball / badminton kit etc.)	Nos	10	10	4 Nos in Yadwad	3 Nos in Manami	3 Nos in Kunnal
	Individual Household toilets	Nos	20	15	10 Nos in Yadwad	5 Nos in Manami	5 Nos in Kunnal
	Infrastructure for PHC sub-centre	Nos	3	75		1 Nos in Manami	1 Nos in Kunnal

Program	Program Activities	Unit	No. of Units	Total Cost (Lakhs)	01 st Year	02 nd Year	03 rd Year
	Installation of various public boards & posters to create awareness regarding communicable diseases & public hygiene	Nos	30	15	10 Nos in Yadwad	10 Nos in Manami	10 Nos in Kunnal
Safe Drinking Water	Repairing of check-dam with guard wall	Nos	1	20	-	1 Nos in Manami	-
Communication & Connectivity	Village Road construction	Nos	1	150	1 Nos in Yadwad	-	-
Livelihood	Capacity building of Farmers for input cost reduction and enhance income/ productivity through New Technologies & conservation of water & Soil, etc.	Nos	2	50	1 Nos in Yadwad	1 Nos in Manami	-
	Bamboo plantation to increase income of nearby villagers	Nos	1	50	1 Nos in Yadwad	-	-
	Capacity Building and livelihood support to women	Nos	50	25	30 Nos in Yadwad	10 Nos in Manami	10 Nos in Kunnal

Program	Program Activities	Unit	No. of Units	Total Cost (Lakhs)	01 st Year	02 nd Year	03 rd Year
Rural infrastructure	Solar Street lights - 300 Nos covering all 8 villages	Nos	300	45	150 Nos in Yadwad	100 Nos in Manami	50 Nos in Kunnal
	Bus Waiting shed Construction/development	Nos	3	12	1 Nos in Yadwad	1 Nos in Manami	1 Nos in Kunnal
Sub Total				802			
GRAND TOTAL (Socio Economic development Plan & Model Village)				5834.5			
<p>NOTE: Nature of the activities & village can be interchanged from village to village may vary based on the outcome of need base analysis during the execution phase in coordination with local Authorities/District administration etc. within the overall budget proposed here for Socio- Economic Development Plan. Activities will be implemented in phased manner along with implementation of the proposed project.</p>							

