



**File No: IA-J-11011/164/2023-IA-II(IND-I)**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**IA Division**  
**\*\*\***



Date **11/01/2025**



To,

M/s. GULBARGA CEMENT LIMITED  
Adventz Centre, 2nd Floor, No.28,Cubbon Road  
Bengaluru-560001, Karnataka, India  
E-mail: rknagesh@zcltd.com

**Subject:** **Proposed Greenfield Project of Integrated Cement Plant with Clinker Capacity 2.0 million TPA, Cement-2.5 Million TPA 10 MW Power Generation through WHRB with residential colony over an area of 250 ha. by M/s Gulbarga Cement Limited, located at near village of Ferozabad, Kiranagi, Somanathahalli, Taluka & District - Kalaburagi, Karnataka- Grant of EC-Reg.**

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/KA/IND1/499495/2024 dated 06/11/2024 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.	EC24A1101KA5414383N
(ii) File No.	IA-J-11011/164/2023-IA-II(IND-I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(b) Cement plants ,3(b) Cement plants
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Gulbarga Cement Limited: "Proposed Integrated Cement Plant having production capacity -Clinker - 2.0Million TPA, Cement -2.5 Millon TPA & Power generation through WHRB 10 MW with residential colony over an area of 250 Ha., located at near Village of Ferozabad, Kirangi and Somnathhalli, Taluka & District.- Kalaburagi, Karnataka".
(viii) Name of Company/Organization	GULBARGA CEMENT LIMITED
(ix) Location of Project (District, State)	KALABURAGI, 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 schedule no. 3(a) Metallurgical Industries (ferrous & non-ferrous) under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.

4. The instant proposal is considered in 70th EAC Meeting held during 69th EAC Meeting held during 21st – 22nd 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 EAC proceedings of the said meeting can be seen using the following web link: 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 70th EAC Meeting held during 69th EAC Meeting held during 21st – 22nd November, 2024, inter-alia, deliberated the following:

i. The instant proposal is a Greenfield Integrated Cement Plant having Clinker Capacity 2.0 Million TPA, Cement 2.5 Million TPA & 10 MW Power generation through WHRB with residential colony over an area of 250 Ha.

ii. M/s. Gulbarga Cement Limited had earlier obtained Environment Clearance vide File no.- J-11011/ 538/2007-IA(II)-I dated 22.07.2013 for greenfield cement plant for production of Clinker (2 MTPA), Cement (3.23 MTPA) and Coal based Captive Power Plant (50 MW) at Village Kirangi, Taluk & District Gulbarga, Karnataka. Subsequently, PP has also obtained extension of validity of EC on 10.08.2020. Further, the proposal for surrendering of EC was recommended by the EAC in its meeting held on 23rd-25th January, 2024. The Ministry has accepted the request of surrender of EC vide letter dated 26.02.2024.

iii. 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.

iv. 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.

v. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

vi. 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.

vii. PP submitted that total plant area is total land area is 250 Ha including plant, associated facilities and residential colony. The land use of is industrial type. The proposed project site is allotted through Karnataka Industrial Areas Development Board (KIADB) for industrial use vide letter no. KIADB/HO/Allot/JD/SUC-01/6934/14-15 dated 26.08.2014. Land possession has been issued vide letter no. KIADB/DO/GLB/447/2014-15 dated 03.09.2014.

viii. As observed there are 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.

ix. It is reported that there is a depression of landform at the middle of the plant which resulted in rain fed formation of a nala present inside the plant area that originates itself in the plant area. Nala flows through the middle of the plant area which divides the plant into two parts resulting in increasing the distance of internal fleet movement & length of conveyor belts. Hence, Plant Designer suggested the shifting of the Nala towards the North side for land conservation by better use of land for the future and for better energy conservation leading to sustainable operation of plant. The shifted nala will be properly engineered to ensure proper collection and flow of the water. Plantation shall be provided on both side of nala. Therefore, after proposed shifting of the nala (which flows from East to West) towards Northern direction within the plant area and it shall finally be discharged into Bhima River through Dargah Halla. Accordingly, Plant layout is prepared in existing and proposed scenario for the kind consideration of the EAC where shifting of Nala towards North direction is proposed keeping the same flow of nala to avoid any disturbance in natural flow of storm water. Protection of the Nala will be strengthened by constructing 0.5 m high wall on either side of the Nala. Stone pitching will be done inside the Nala and green belt will be developed on both sides to avoid Soil erosion. Nala will be cleaned at regular intervals. No industrial waste or waste water will be allowed to enter into the Nala. ZLD will be maintained. Total budget for Nala protection and maintenance is Rs 1,00,00,000/-. PP has further reported that they have submitted the request letter to the Engineer in Chief WRDO, Ananda Rao Circle, Bengaluru on 05.11.2024 for issuance of NOC for shifting of the nala towards the northern side of land. The EAC deliberated and strongly recommends that the proponent shall not disturb the existing nala without prior WRD approval and must strictly adhere to the WRD-approved nala conservation and recourse plan to ensure environmental sustainability and compliance.

x. It is reported that 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.

xi. The PP reported that the required Limestone will be met from Ferozabad Limestone mine (captive- 3MTPA) which is adjacent to the proposed cement plant site for which Environmental Clearance has been obtained from MOEF&CC vide letter no. 110015/239/2003-IA.II.(M) dt 11.06.2007. The EAC opined that PP shall ensure raw material security to meet the requirements of the proposed project and obtain all the necessary permissions as applicable.

xii. The EAC further suggests the Project Proponent to explore and prioritize the use of indigenously available gypsum as a raw material to reduce dependency on imported gypsum as much as possible. Such measures will not only support local industries but also contribute to reducing the environmental footprint associated with the transportation of imported gypsum.

xiii. The water requirement for the proposed project is estimated as 2,059 m<sup>3</sup>/day, out of which 1,650 m<sup>3</sup>/day of fresh water requirement will be obtained from the Bhima river and the remaining requirement of 409 m<sup>3</sup>/day will be met from the recycled water. The EAC is of the opinion that PP shall obtain necessary permission in this regard.

xiv. The Committee has deliberated on the baseline data along and incremental GLC due to the proposed project and found it satisfactory.

xv. The PP reported that 10 Nos. schedules-I species have been observed as per Indian Wildlife Protection Act, 2022. These are Indian Porcupine, Black Buck, Bonnet Macaque, Common fox, Indian Chameleon, Cobra, Russell's Viper, Indian Rat Snake, Indian Eagle Owl and Cotton pygmy goose. A Wildlife Conservation Plan for schedule-I species has been approved by PCCF&CWLW, Bangalore vide letter no. PCCF/WL/D/CR-01/2022-23 (E-975943) dated 05.11.2024. 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 Proposed greenbelt will be developed in 94.8 ha which is about 37.9% of the total project area. Total no. of 2,37,000 saplings will be planted and nurtured in 94.8 hectares in 3 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 2 years.

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. PP has reported that earlier proposed project was not installed and commenced due to litigation on land acquisition. Some Landowners owning about 92 acres (37.23 Ha) of land approached Hon'ble High Court of Karnataka, Gulbarga Bench and obtained Stay Orders Court in the year 2014 which was disposed only in the year 2019. The Committee deliberated on the same and found it satisfactory.

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

xxi. 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.

xxii. 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.

xxiii. 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 70th EAC Meeting held during 69th EAC Meeting held during 21st – 22nd 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. Gulbarga Cement 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  
E-mail: 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, Kalaburagi District, Karnataka.
8. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
9. Guard File/Monitoring File/Website/Record File/Parivesh Portal.

(Dinesh Runiwal)  
Scientist 'F'/Director

### **Annexure 1**

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

#### **1. Specific**

<b>S. No</b>	<b>EC Conditions</b>
<b>1.1</b>	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.
<b>1.2</b>	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.
<b>1.3</b>	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	As observed there are 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.
1.5	Project proponent shall not disturb the nallah flowing within the site without prior approval of WRD or the concerned agency. Further, any diversion or re-coursing plan for nallah shall be implemented only after seeking an amendment in the EC, and, due approval of the WRD or the concerned agency of the State Govt.
1.6	It is reported that 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 project and obtain all the necessary permissions as applicable.
1.8	The total water requirement of 2,059 m <sup>3</sup> /day shall be met from Bhima river (1,650 m <sup>3</sup> /day) and recycled water (409 m <sup>3</sup> /day). PP shall obtain necessary permission from the Competent Authority in this regard.
1.9	Three tier Green Belt shall develop greenbelt in atleast 33% of the project area, in a period of 2 years, 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 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	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 ( <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 amounting to Rs. 31.54 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.

S. No	EC Conditions
1.14	The Project Proponent shall explore the possibility to collaborate with nearby educational and research institutions to fulfill their Academic Social Responsibility. This shall include initiatives such as providing financial support, infrastructure development, research collaboration, skill development programs, internships, scholarships for students, and organizing capacity-building workshops in environmental management and sustainable practices.
1.15	It has been observed from the KML file that there are a couple of 1st order streams originating to the north of the project area i.e. there is a clear watershed area covering both the project area and its adjacent area, so during the peak monsoon, runoff water may flow into the project area and flood the project facilities. In order to mitigate this, PP shall fill the low land area in such a manner that the surface runoff shall flow into the diverted nalah. The PP shall construct a Garland drain all around the project area and connecting drains to the diverted Nalah so that the surface runoff is not obstructed/ interrupted and flows to the nearby river through the diverted nalah.
1.16	The industry should explore the possibility of using water from the captive mines and reduce the quantum of water drawn from the river, progressively, in due course of time. The industry should draw up a plan of action for this.

#### 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



S. No	EC Conditions
	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	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 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 <sup>3</sup> and



S. No	EC Conditions
	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 NOx burners as primary measures and SCR /NSCR technologies as secondary measure to control NOx 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	DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm3 by using best available technology.
3.5	Petcoke dosing shall be controlled automatically to control SO2 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	A road-map must be prepared and implemented for the minimisation of carbon foot-print, progressively.

### 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

S. No	EC Conditions
	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.

#### 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.

#### 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

S. No	EC Conditions
	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.

S. No	EC Conditions
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.
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.
11.5	Annual Wind Rose Diagrams (for all seasons) must be constructed and reported to RO MOEFCC. Data may be obtained from secondary sources, such as IMD, if necessary.



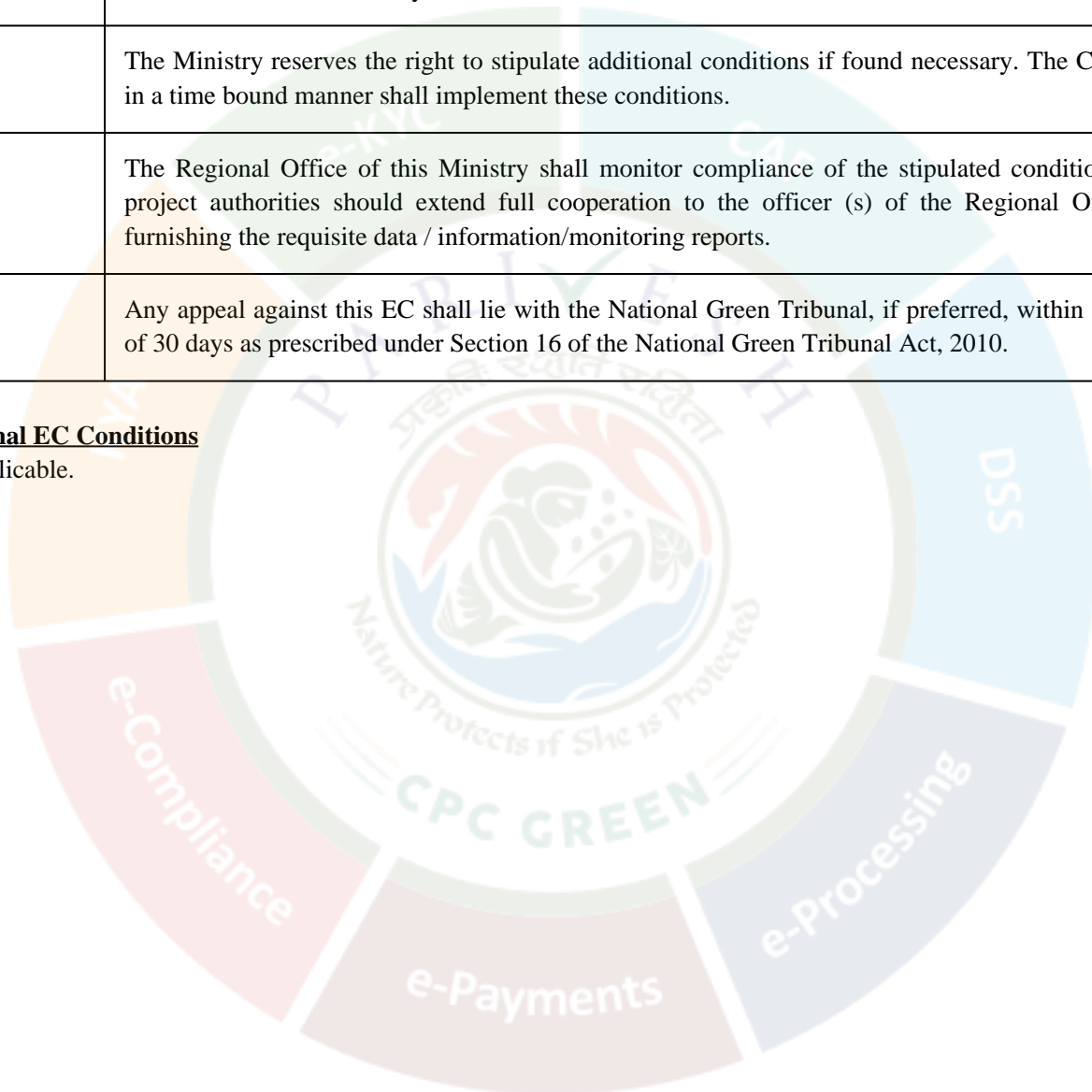
## 12. Miscellaneous

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.
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.

S. No	EC Conditions
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**

Not Applicable.



## Details of the proposal are as per the EIA/EMP report

S. No.	Particulars	Details	Remarks
1.	Total land	The total land area is 250 Ha. Including plant, associated facilities and residential colony(14 ha). The details of the land use break-up is as mentioned below:	Land use: Industrial
S. No.	Particulars	Area	
		Ha.	Percentage (%)
1	Plant Area, Office Area (All covered area)	16.4	6.56
2	Paved Area (Road, Corridor, Parking and drainage)	7.55	3.02
3	Plantation Area	94.8	37.92
4	Residential colony (total area 14 Ha. Out of which 50% is green area)	7	2.8
5.	Open Area	124.25	49.7
<b>Total</b>		<b>250</b>	<b>100</b>
<p>Note: The green area will be developed inside the premises is 94.80 Ha. (37.9% &amp; 2, 37,000 Saplings will be planted in three years).</p> <p>Out of 250 ha, 14 Ha. Land is identified for residential units with all common facilities for Project Phase accommodation / guest house for both staff and workers. Super build-up area of residential units shall be less than 20,000 sq. meter excluding school, Temple and dispensary.</p>			
2.	Land acquisition details as per MoE F&C C O.M. dated 7/10/2014	<p>The proposed project site is allotted through Karnataka Industrial Areas Development Board (KIADB) for industrial use vide letter no. KIADB/HO/Allot/JD/SUC-01/6934/14-15 dated 26.08.2014.</p> <p>Land possession has been issued vide letter no. KIADB/DO/GLB/447/2014-15 dated 03.09.2014.</p>	
3.	Existence of habitation & involvement of	There is no habitation within the project land and no involvement of R&R as the land is allotted through Karnataka Industrial Areas Development Board (KIADB) for industrial use.	

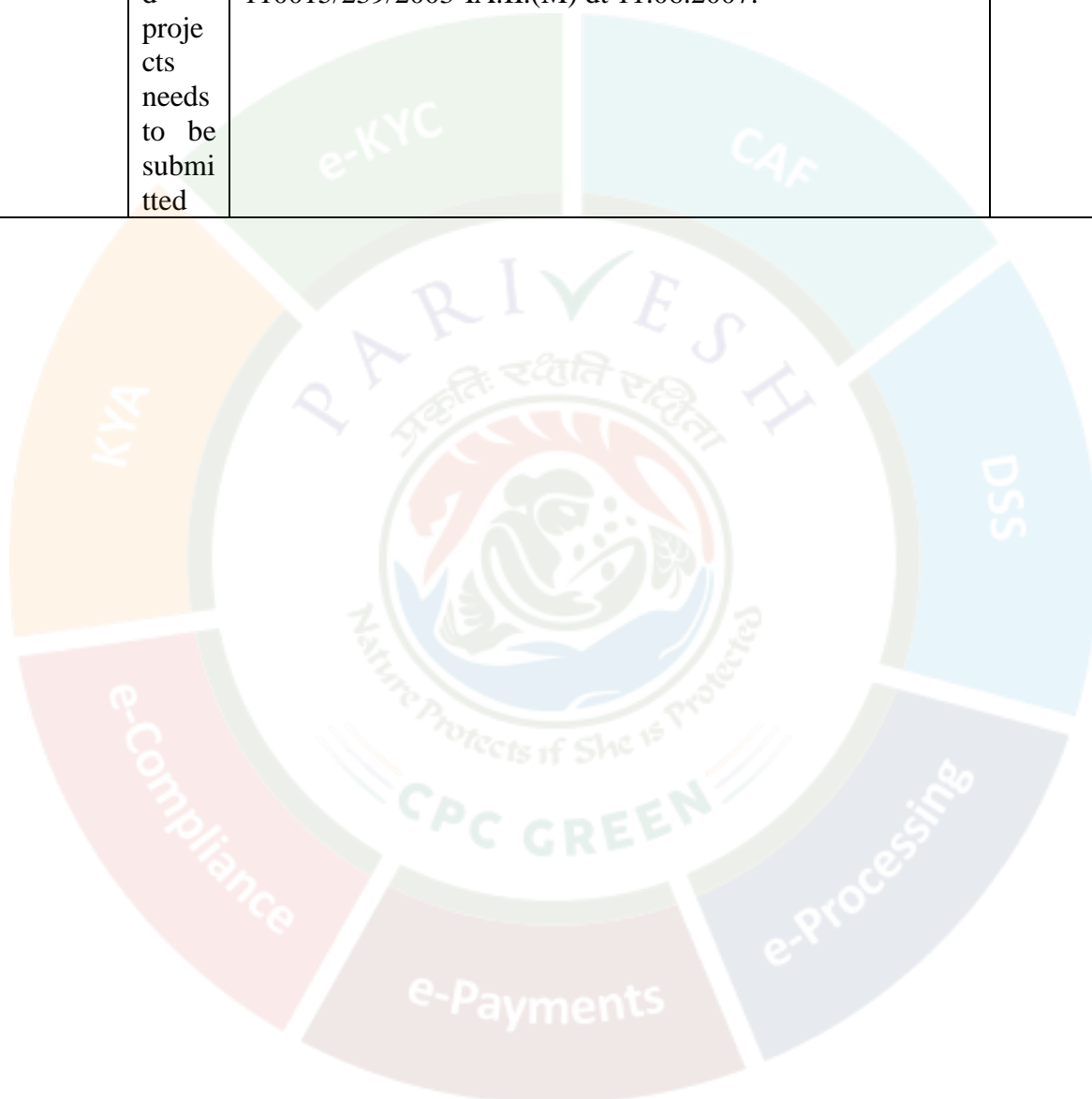
S. No.	Particulars	Details		Remarks	
	R&R, if any.				
4.	Latitude and Longitude of all corners of the Project site.	Coordinates of the Plant Site			
		Sr. No.	Latitude		Longitude
		1	17° 6' 14.869" N		76° 50' 34.592" E
		2	17° 6' 15.509" N		76° 50' 39.943" E
		3	17° 6' 17.051" N		76° 50' 40.041" E
		4	17° 6' 18.646" N		76° 50' 40.293" E
		5	17° 6' 19.192" N		76° 50' 42.233" E
		6	17° 6' 19.040" N		76° 50' 46.384" E
		7	17° 6' 19.178" N		76° 50' 48.483" E
		8	17° 6' 21.257" N		76° 50' 51.881" E
		9	17° 6' 23.950" N		76° 50' 56.177" E
		10	17° 6' 26.166" N		76° 50' 59.796" E
		11	17° 6' 27.776" N		76° 51' 2.367" E
		12	17° 6' 29.959" N		76° 51' 5.933" E
		13	17° 6' 32.421" N		76° 51' 9.956" E
		14	17° 6' 35.489" N		76° 51' 14.809" E
		15	17° 6' 46.736" N		76° 51' 32.640" E
		16	17° 6' 49.003" N		76° 51' 32.788" E
		17	17° 6' 51.113" N		76° 51' 32.964" E
		18	17° 6' 56.224" N		76° 51' 32.888" E
		19	17° 6' 56.658" N		76° 51' 38.091" E
		20	17° 7' 9.619" N		76° 51' 30.418" E
		21	17° 7' 12.697" N		76° 51' 29.413" E
		22	17° 7' 23.219" N		76° 51' 27.813" E
		23	17° 7' 26.152" N		76° 51' 27.546" E
		24	17° 7' 25.277" N		76° 51' 22.435" E
		25	17° 7' 25.090" N		76° 51' 20.903" E
		26	17° 7' 24.043" N		76° 51' 16.270" E
		27	17° 7' 21.401" N		76° 51' 7.845" E
		28	17° 7' 18.214" N		76° 51' 8.338" E
		29	17° 7' 15.670" N		76° 51' 8.463" E
		30	17° 7' 15.335" N		76° 50' 57.286" E
		31	17° 7' 11.796" N		76° 50' 56.840" E
		32	17° 7' 11.747" N		76° 50' 51.587" E
		33	17° 7' 11.881" N		76° 50' 49.491" E
		34	17° 7' 9.231" N		76° 50' 48.957" E
		35	17° 7' 7.943" N		76° 50' 48.527" E
		36	17° 7' 4.796" N		76° 50' 48.240" E
		37	17° 6' 58.883" N		76° 50' 47.329" E
		38	17° 6' 59.386" N		76° 50' 39.950" E
		39	17° 6' 50.814" N		76° 50' 37.645" E
		40	17° 6' 50.403" N		76° 50' 36.032" E
		41	17° 6' 51.842" N		76° 50' 20.078" E
		42	17° 6' 48.956" N		76° 50' 19.738" E
		43	17° 6' 45.112" N		76° 50' 19.776" E
		44	17° 6' 45.108" N		76° 50' 21.949" E
		45	17° 6' 45.507" N		76° 50' 25.415" E



S. No.	Particulars	Details				Remarks																																								
		<table><tr><td>46</td><td>17° 6' 45.215" N</td><td>76° 50' 27.961" E</td></tr><tr><td>47</td><td>17° 6' 27.884" N</td><td>76° 50' 29.687" E</td></tr><tr><td>48</td><td>17° 6' 27.914" N</td><td>76° 50' 31.211" E</td></tr><tr><td>49</td><td>17° 6' 28.278" N</td><td>76° 50' 34.880" E</td></tr></table>				46	17° 6' 45.215" N	76° 50' 27.961" E	47	17° 6' 27.884" N	76° 50' 29.687" E	48	17° 6' 27.914" N	76° 50' 31.211" E	49	17° 6' 28.278" N	76° 50' 34.880" E																													
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5.	Elevation of the project site	Highest – 428 AMSL; Lowest – 412 AMSL.																																												
6.	Involvement of Forest land if any.	There is no forest land in the project site.																																												
7.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as	<table><tr><th>S. No</th><th>Name of Water Body</th><th>Distance (Km)</th><th>Direction</th></tr><tr><td></td><td></td><td colspan="2">Distance from Project boundary</td></tr><tr><td>1.</td><td>Dargah Halla</td><td>4.75</td><td>W</td></tr><tr><td>2.</td><td>Bhima River</td><td>4.36</td><td>S</td></tr><tr><td>3.</td><td>Jevargi Halla</td><td>7.17</td><td>SSW</td></tr><tr><td>4.</td><td>Katta Halla</td><td>7.37</td><td>SE</td></tr><tr><td>5.</td><td>Nandana Halla</td><td>7.6</td><td>NE</td></tr><tr><td>6.</td><td>Gade Karana Halla</td><td>7.68</td><td>SSE</td></tr><tr><td>7.</td><td>Kagina River</td><td>8.27</td><td>SE</td></tr><tr><td>8.</td><td>Are Halla</td><td>9.39</td><td>SSW</td></tr></table>	S. No	Name of Water Body	Distance (Km)	Direction			Distance from Project boundary		1.	Dargah Halla	4.75	W	2.	Bhima River	4.36	S	3.	Jevargi Halla	7.17	SSW	4.	Katta Halla	7.37	SE	5.	Nandana Halla	7.6	NE	6.	Gade Karana Halla	7.68	SSE	7.	Kagina River	8.27	SE	8.	Are Halla	9.39	SSW	<p>1. As per the detailed contour survey of plant area, it is observed that there is a depression of landform at the middle of the plant which resulted in rain fed formation of a nala present inside the plant area that originates itself in the plant area. Nala flows through the middle of the plant area which divides the plant into two parts resulting in increasing the distance of internal fleet movement &amp; length of conveyor belts. Hence, Plant Designer suggested the shifting of the Nala towards the North side for land conservation by better use of land for the future and for better energy conservation leading to sustainable operation of plant.</p>			
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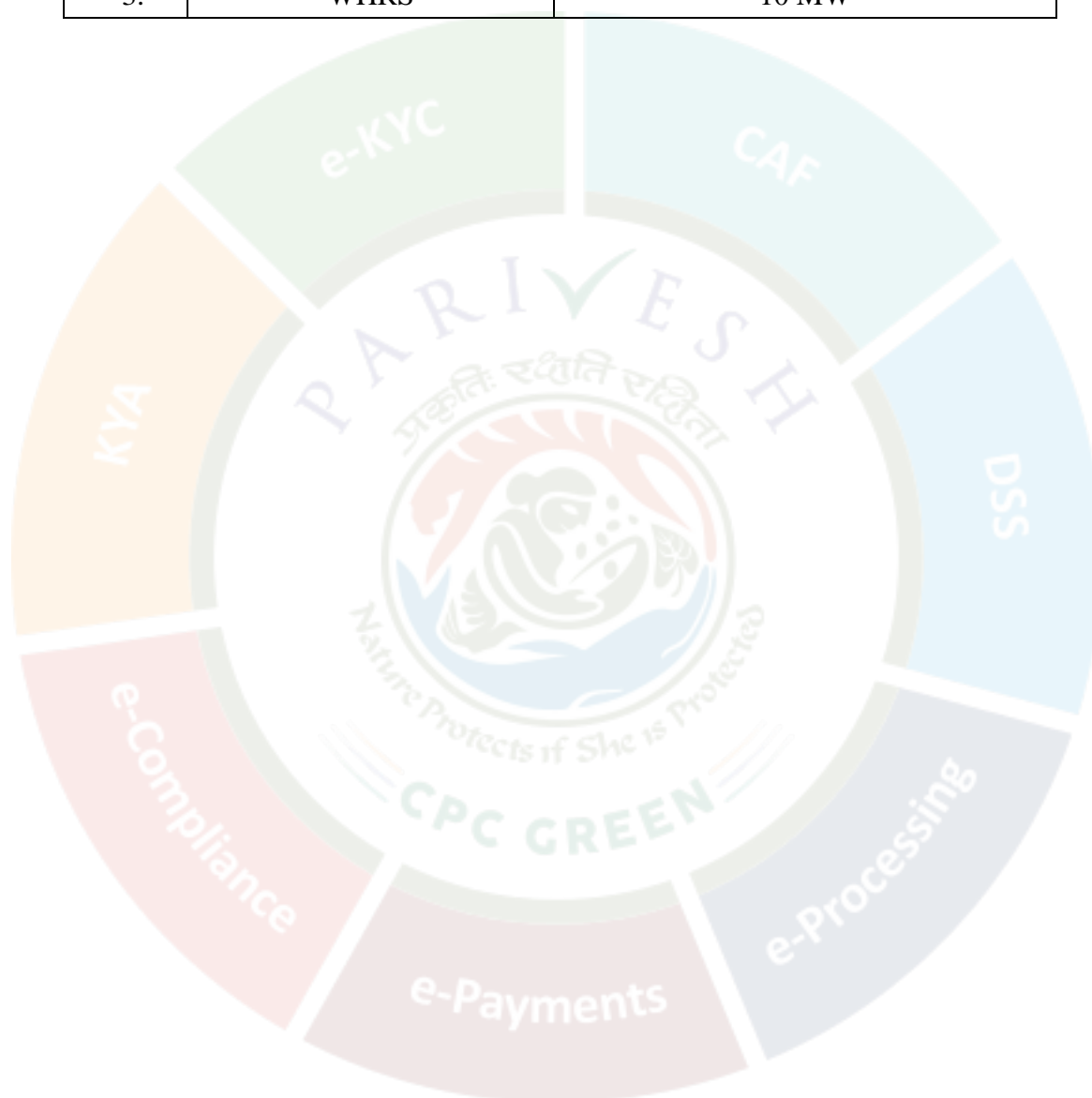
S. No.	Particulars	Details	Remarks
	study area	<p>2. The shifted nala will be properly engineered to ensure proper collection and flow of the water. Plantation shall be provided on both side of nala. Therefore, after proposed shifting of the nala (which flows from East to West) towards Northern direction within the plant area and it shall finally be discharged into Bhima River through Dargah Halla.</p> <p>3. Accordingly, Plant layout is prepared in existing and proposed scenario for the kind consideration of the EAC where shifting of Nala towards North direction is proposed keeping the same flow of nala to avoid any disturbance in natural flow of storm water.</p> <p>4. No ground water will be used for plant operation and colony. The source of water is Rain water harvesting system and Bhima River. Internal drains will be developed to collect the storm water inside the plant premises. A pond will be developed in west direction of plant in which storm water will be collected along with storage of Bhima River</p> <p>5. Protection of the Nala will be strengthened by constructing 0.5 m high wall on either side of the Nala. Stone pitching will be done inside the Nala and green belt will be developed on both sides to avoid Soil erosion. Nala will be cleaned at regular intervals. No industrial waste or waste water will be allowed to enter into the Nala. ZLD will be maintained. Total budget for Nala protection and maintenance is Rs 1,00,00,000/-.</p>	
8.	Existence of ESZ/ESA/national park/wildlife sanctuary/biosphere reserve/tiger reserve/elephant reserve etc. if any withi	<p><b>Study area:</b></p> <p>No national park/wildlife sanctuary/biosphere reserve/tiger reserve/elephant reserve and Migratory Corridors etc. are reported to be located in the core and buffer zone of the project.</p> <p>No reserved/ protected forest are reported to be located in the core and buffer zone of the project.</p>	

S. No.	Particulars	Details	Remarks
	n the study area.		
9.	Details of inter-linked projects needs to be submitted	The required Limestone will be met from Ferozabad Limestone mine (captive- 3MTPA) which is adjacent to the proposed cement plant site for which Environmental Clearance has been obtained from MOEF&CC vide letter no. 110015/239/2003-IA.II.(M) dt 11.06.2007.	



## Unit configuration and capacity

Sl. No.	Facilities / Products	Capacity
1.	Clinker	2 MTPA
2.	Cement	2.5 MTPA
3.	WHRS	10 MW





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

S. No.	Concerns raised during Public Hearing	Name of the person and village name	Physical Activity and Action Plan	Total Expenditure (Rs. in Lakhs)		
				1st year	2nd year	3rd year
1	Provide employment to the land losers and local youths.	Basavaraj Kattimani Honnakiranagi	<p>During the construction of cement plant project, 2050 people (Permanent-50 Nos and Contractual 2000 Nos) will get employment and during the operation phase, 350 people (Permanent-200 Nos and Contractual 150 Nos) will get employment. Our company always prefer to get as many local people as possible for smooth operation of plant and employment generation in the area where we operate.</p> <p>In this regard, we would like to assure that our company will comply with the statutory norms of the Karnataka Govt to provide employment to at least one person in each displaced family of the erstwhile landowner of plant land of 250 ha as well local people. The employment shall be considered as per their educational qualification, suitability and availability.</p>			
		Dhulappa veer Honnakiranagi				
		Mallinath Bussa, Gram Panchayat President, Kiranagi Village				
		Raju Halu, Ferozabad Village				
		Babu, Gram Panchayat Member, Honnakiranagi village				
		Saibanna, Honnakiranagi Village				
		Vinod Bastal, Kiranagi Village				
		Sharanappa Bussa, Honnakiranagi				
		Veeranna, Honnakiranagi Village				
		Smt. Manjula, Chitradurga District				
2	Higher compensation for land	Shivayogappa Somjal, Honnakiranagi Village	<p>Karnataka Industrial Areas Development Board (KIADB) acquired the land for the proposed Gulbarga Cement Ltd. Project. Regarding land rate / compensation, Special Land Acquisition Officer (SLAO) of KIADB has Clarified this issue during the public hearing.</p> <p>The KIADB Officer clarified that, the KIADB Board decided the compensation in accordance with the</p>			
		Sharanu Ullagaddi				
		Raju Halu, Ferozabad Village				

S. No.	Concerns raised during Public Hearing	Name of the person and village name	Physical Activity and Action Plan	Year of Implementation	Total Expenditure (Rs. in Lakhs)	
				1st year	2nd year	3rd year
		Mohammad Akheel, Firozabad village	Government order after entering into a consent agreement with land sellers. If any land sellers need further clarification or have not received their compensation, they are requested to visit the KIADB office located in Kapnoor Industrial Area, Humnabad Road, Kalaburagi.			
		Reheman Patel, Firozabad Village				
		Abdul Latif Jagirdar				
		Mashak Patel, Firozabad village				
		Basavaraj Julfi				
		Sharanappa Bussa, Honnakiranagi village				
		Shankar Gobbur, Honnakiranagi Village				
		Ramesh Natikar, Firozabad village				
		Younus Patel, Firozabad village				
		Tippanna Reddy, Firozabad village				
3	Wellbeing of the farmers	Basavaraj Kattimani Honnakiranagi	To increase the agriculture produce company proposed the following activities for villages	Included in socio economic development plan of community and compliance of public hearing issues		

S. No.	Concerns raised during Public Hearing	Name of the person and village name	Physical Activity and Action Plan	Total Expenditure (Rs. in Lakhs)		
				Year of Implementation	1st year	2nd year
			<p>Kirana gi and Feroza bad.</p> <p>1.Far mers Traini ng &amp; exposu re Visit</p> <p>2. Suppo rt Farme rs with Irrigati on facility &amp; agricul ture equip ment</p> <p>3.Supp ort to Veteri nary Hospit al</p> <p>4. Suppo rt Farme rs with Pesticides Spraye r machi ne</p> <p>5.Vete rinary Camp</p> <p>6. Demo nstrati on of Vermi - compo</p>			

S. No.	Concerns raised during Public Hearing	Name of the person and village name	Physical Activity and Action Plan	Year of Implementation	Total Expenditure (Rs. in Lakhs)	
				1st year	2nd year	3rd year
			st Kit& Practice by Farmers			
4	Protection of health of the villagers	Basavaraj Kattimani Honnakiranagi	The pollution control equipment and cement plant will be designed to meet the air quality norms, the CPCB CREP condition strictly implemented for control of dust emission and ZLD will be maintained	Included in the EMP Cost.		
5	Providing good education to the children	Mallinath Bussa, Gram Panchayat President, Kiranagi Village Raju Halu, Ferozabad Village	Comp any committed to bridge the gap between quality	Included in socio economic development plan of community and compliance of public hearing issues		



S. No.	Concerns raised during Public Hearing	Name of the person and village name	Physical Activity and Action Plan	Year of Implementation	Total Expenditure (Rs. in Lakhs)	
				1st year	2nd year	3rd year
		Younus Patel, Firozabad village	<p>of education to local children. Following activities will be completed within 3 years from start of Project activity.</p> <ol style="list-style-type: none"> <li>1. Modification of Angan wadi</li> <li>2. Support to School Primary/Middle with infrastructure</li> <li>3. Meritorious Scholarship to student</li> <li>4. Teacher Training on STEM &amp; Kit distrib</li> </ol>			

S. No.	Concerns raised during Public Hearing	Name of the person and village name	Physical Activity and Action Plan	Year of Implementation	Total Expenditure (Rs. in Lakhs)	
				1st year	2nd year	3rd year
			5. Taluka level teachers training 6. Physical Teacher Instructors Training Program 7. Promote and financial support to Student for higher courses like Nursing, Pharmacy 8. English Communication Skill 9. Abacus Training 10. Supporting and Technology			

S. No.	Concerns raised during Public Hearing	Name of the person and village name	Physical Activity and Action Plan	Year of Implementation	Total Expenditure (Rs. in Lakhs)	
				1st year	2nd year	3rd year
			transfer to Govt ITI 11. Bridge Course for Weaker Students 12. Support School Children with School Bags, Dress & Books.			
6	Infrastructure development and construction of schools, colleges and hospitals	Mallinath Bussa, Gram Panchayat President, Kiranagi Village	GCL has started to strengthen the physical infrastructure of the nearby Villages. Rs 17 Lakh has been spent till date for improvement of the infrastructure	Included in socio economic development plan of community and compliance of public hearing issues.		
		Saibanna, Honnakiranagi Village		Now budget has been increased from Rs 21.13 Cr. to Rs. 31.54 Cr.		
		Ramesh Natikar, Firozabad village				

S. No.	Concerns raised during Public Hearing	Name of the person and village name	Physical Activity and Action Plan	Total Expenditure (Rs. in Lakhs)		
				Year of Implementation	1st year	2nd year
			<p>s in nearby schools, clean drinking water availability to children/villagers and bus-stops</p> <p>A need based Socio-Economic Development Plan (Corporate Environmental Responsibility Plan) of budget Rs 14.5 Cr has been prepared to improve the socio-economic status of the nearby area.</p> <p>The</p>			



S. No.	Concerns raised during Public Hearing	Name of the person and village name	Physical Activity and Action Plan	Year of Implementation	Total Expenditure (Rs. in Lakhs)	
				1st year	2nd year	3rd year
			<p>focus areas are education, medical, Angan wadi, Nutrition, clean water, sanitation, agriculture productivity, livelihood, community infrastructure buildings and ecology within 10 km radius of the cement plant site.</p> <p>PP commit to complete all the committed activities within three years from the</p>			

S. No.	Concerns raised during Public Hearing	Name of the person and village name	Physical Activity and Action Plan	Year of Implementation			Total Expenditure (Rs. in Lakhs)	
				1st year	2nd year	3rd year		
			date of start of plant construction including the CBSE school facility to bridge the gap between quality of education to local children which was the demand raised during the public hearing. The CBSE School will be constructed in our premises which will be accessible to the local students also. Merit student					

S. No.	Concerns raised during Public Hearing	Name of the person and village name	Physical Activity and Action Plan	Year of Implementation	Total Expenditure (Rs. in Lakhs)	
				1st year	2nd year	3rd year
			<p>ts as declared by Block Education Officer will be provided subsidized education in our proposed CBSE school .</p> <p>The need based survey and Socio Economic Development Plan Of Community And Compliance Of Public Hearing Issues Plan is given below</p>			

In addition 53 Written representation received where the issues are related with higher compensation, employment and Socio Economic Development Plan Of Community And Compliance Of Public Hearing Issues activities for village development.

**The Gulbarga Cement Limited will fulfill the commitment made during public hearing. The targeted Villages of socio economic development plan of community and compliance of public hearing issues activities falls within 10 km radius area of plant boundary are Kiranagi, Tonasanhalli, Naduvinahalli, Sinnur (Naddisinnur), Ferozabad, Somanathahalli, Balewadand Farhatabad. This plan includes the adoption of the Village Kiranagi to develop as Model Village.**

Summary of the activities and Budget		
S. No.	Activities / Programme	Cost, Rs in Lakh
1	Health Care Facilities	743.60
2	Nutrition	64.20
3	Education	538
4	Water and Sanitation	246.25
5	Agriculture and Livelihood	119.55
6	Infrastructures	967.50
7	Environment and Sustainability	150.5
8	Women Empowerment	190.75
9	Others and Additional	133.35
	<b>Total Socio Economic Development Plan Of Community And Compliance Of Public Hearing Issues Budget</b>	<b>3153.65</b>

**DETAILS OF SOCIO ECONOMIC DEVELOPMENT PLAN OF COMMUNITY AND COMPLIANCE OF PUBLIC HEARING ISSUES ACTIVITIES (Separate sheet prepared for 3 villages & 5 villages)**

**DETAILS OF SOCIO ECONOMIC DEVELOPMENT PLAN OF COMMUNITY AND COMPLIANCE OF PUBLIC HEARING ISSUES ACTIVITIES (Part-A for Three Villages)**

A. <u>Gulbarga Cement Limited - Socio Economic Development Plan Of Community And Compliance Of Public Hearing Issues for 3 year from start of Project construction Budget for 3 Villages (Kiranagi, Ferozabad and Somanthahalli) Rs 27.836 Cr.</u>									
S.No.	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year -3	Remarks
A.	HEALTH CARE	No.	Rs.	Rs.		Cr.			
1	Providing Primary healthcare services	24	130000	31,20,000	Kiranagi Ferozabad Somanathahalli	0.72	0.72	5.76	Doctor & Pharmacist, Helper, Room on rent will operate OPD at a village.
2	Specialist Health Check up camp	3	100000	3,00,000					Orthopaedic, Gynaecologist, Paediatric
3	Eye Care & Check-up	3	200000	6,00,000					Spectacles will be given free of cost and cataract surgery

4	Cataract Surgery	30	12000	3,60,000					Cataract free Village
5	Dental Checkup	3	150000	4,50,000					Equipment support for proper functioning of Hospital
6	Support to PHC & CHC Hospital	1	800000	8,00,000					
7	Awareness on Preventive Health care, Hand wash & Personnel Hygiene, Immunization, Nutrition, training to adolescent & Women	300	2000	6,00,000					
8	Artificial Limb	60	10000	6,00,000					
9	Hand wash Program to School Children	20	10000	2,00,000					
10	Health and Wellness Centres (HWCs) at plant site to deliver comprehensive Primary Health Care (CPHC) closer to the homes of people covering both maternal and child health services and non-communicable diseases, including free essential drugs and diagnostic services and Ambulance facility to all Villagers.	1	65000000	6,50,00,000	At Plant site				Free medical facility with Ambulance and medicines for all Villagers
	TOTAL HEALTHCARE			7,20,30,000					

A. <b>Gulbarga Cement Limited - Socio Economic Development Plan Of Community And Compliance Of Public Hearing Issues for 3 year from start of Project construction Budget for 3 Villages (Kirangi, Ferozabad and Somanthhalli) Rs 27.836 Cr.</b>									
S.No.	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year - 1	Year -2	Year - 3	Remarks
B	NUTRITION	No.	Rs.	Rs.		Cr.	Cr.	Cr.	
1	Supplementary Nutrition for Anganwadi & Primary School Children	3,00,000	12	36,00,000	Kiranagi Ferozabad Somanathahalli	0.24	0.14	0.10	Assuming 600 children in Anganwadi & School. Rs 20 per child for 25 days in a month for 20 months for 2 year
2	Providing nutrition for HIV / AIDS patients in Kalaburagi ART Hospitals	90,000	12	10,80,000					Assuming 200 affected people in the district ART Centre & others 25 per patient for 25 day in a month
3	Supporting for Old age home	1	120000	1,20,000					
	<b>TOTAL-NUTRITION</b>			<b>48,00,000</b>					

A. <b>Gulbarga Cement Limited - Socio Economic Development Plan Of Community And Compliance Of Public Hearing Issues for 3 year from start of Project construction Budget for 3 Villages (Kirangi, Ferozabad and Somanthhalli) Rs 27.836 Cr.</b>									
S.No.	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year- 1	Year -2	Year - 3	Remarks
C	EDUCATION	No.	Rs.	Rs.		Cr.	Cr.	Cr.	
1	Modification of Anganwadi	3	500000	15,00,000	Kiranagi Ferozabad Somanathahalli	0.71	0.42	3.78	Cartoon Painting, toilet, washbasin, Playing material,



									Utensil, fans, light, Almirah
2	Support to School Primary/Middle with infrastructure	5	500000	25,00,000					Benches, Chair, almirah, Projector, computer, painting, Toilets, Sport material, R.O Water, utensils
3	Meritorious Scholarship to student	150	10000	15,00,000					
4	Teacher Training on STEM & Kit distribution	40	8000	3,20,000					
5	Taluka level teachers training	3	300000	9,00,000					
6	Physical Teacher Instructor Training Program	20	10000	2,00,000					To inculcate sport spirit among children
7	Promote and financial support to Student for higher courses like Nursing, Pharmacy,	40	30000	12,00,000					
8	English Communication Skill	300	6000	18,00,000					6 Months training Program
9	Abacus Training	330	6000	19,80,000					Six Months training Program
10	Supporting and Technology transfer to Govt ITI	1	500000	5,00,000					
11	Bridge Course for Weaker Students	100	8000	8,00,000					2000/month for 4 months for each student. Course for weaker student on Science, Maths, English for 4 months
12	Support School Children with School Bags, Dress & Books	600	1500	9,00,000					
13	CBSE School upto 10 <sup>th</sup> Standard at Plant Site	1	35000000	35,00,000					
	<b>TOTAL- EDUCATION</b>			<b>4,91,00,000</b>					

A. <b>Gulbarga Cement Limited - Socio Economic Development Plan Of Community And Compliance Of Public Hearing Issues for 3 year from start of Project construction Budget for 3 Villages (Kiranagi, Ferozabad and Somanthhalli) Rs 27.836 Cr.</b>									
S.No.	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year -3	Remarks
D	WASH (WATER & SANITATION)	No.	Rs.	Rs.		Cr.	Cr.	Cr.	
1	Construction of Individual Household Toilets	80	55000	44,00,000	Kiranagi Ferozabad Somanathahalli	0.76	0.45	0.75	
2	Installation of Bore well	10	300000	30,00,000					

3	Installation of R.O System in the village	3	500000	15,00,000					
4	Construction of Community toilet	3	2000000	60,00,000					With bore well connection
5	Repair of Hand pump	4	50000	2,00,000					
6	Support towards Swatch Bharat mission by implementing village solid waste management-Door to Door waste collection vehicle and disposal site development	9	500000	4500000					
	<b>TOTAL- WASH (WATER &amp; SANITATION)</b>			<b>1,96,00,000</b>					

A. <b>Gulbarga Cement Limited - Socio Economic Development Plan Of Community And Compliance Of Public Hearing Issues for 3 year from start of Project construction Budget for 3 Villages (Kirangi, Ferozabad and Somanthalli Rs 27.836 Cr.</b>									
S.No.	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year - 3	Remarks
E	SKILL DEVELOPMENT/ AGRICULTURE/ LIVELIHOOD/EMPLOYMENT GENERATION	No.	Rs.	Rs.		Cr.	Cr.	Cr.	
1	Computer Training Program	150	6000	9,00,000	Kiranagi Ferozabad Somanathahalli	0.45	0.27	0.18	
2	Tailoring program/Fashion Design	60	10000	6,00,000					6 months
3	four wheeler training program with Driving License(LMV)	45	10000	4,50,000					
4	Heavy Motor License ( JCB, Hydra, )	15	30000	4,50,000					1 months with license
5	Farmers Training & exposure Visit	30	5000	1,50,000					
6	Support Farmers with Irrigation facility & agriculture equipment	20	150000	30,00,000					
7	Support to Veterinary Hospital	1	120000	1,20,000					
8	Support Farmers with Pesticides Sprayer machine	45	13000	5,85,000					
9	Veterinary Camp	3	50000	1,50,000					
10	Demonstration of Vermicomposting Kit& Practice by Farmers	10	25000	2,50,000					
11	Career counselling for School Children	300	1000	3,00,000					
12	Support youth for self-employment & small Business	50	40000	20,00,000					
	<b>TOTAL - SKILL DEVELOPMENT / AGRICULTURE / LIVELIHOOD / EMPLOYMENT GENERATION</b>			<b>89,55,000</b>					

A. <u>Gulbarga Cement Limited - Socio Economic Development Plan Of Community And Compliance Of Public Hearing Issues for 3 year from start of Project construction Budget for 3 Villages (Kirangi, Ferozabad and Somanthhalli Rs 27.836 Cr.</u>									
S.No.	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year -3	Remarks
<b>F</b>	<b>INFRASTRUCTURE DEVELOPMENT</b>	<b>No</b>	<b>Rs.</b>	<b>Rs.</b>		<b>Cr.</b>	<b>Cr.</b>	<b>Cr.</b>	
1	Construction of Village internal Road of 3 Km	2000	10000	2,00,00,000	Kiranagi Ferozabad Somanathahalli	2.33	1.4	5.39	
2	Road Construction from Kirangi Village to SH-125 (4.5 km)			4,00,00,000					
3	Construction of Drainage_2 Km	1500	7000	1,05,00,000					
4	Construction of Community Hall_ Marriage Bhawan	1	5000000	50,00,000					
5	Construction /Repair of Religious Structure (Temple/Mosque) etc	2	1000000	20,00,000					
6	Development of Park cum Open gym	1	1000000	10,00,000					
7	Development of Panchayat centre	1	3200000	32,00,000					
8	Construction of Bus Shelter	2	400000	8,00,000					
9	Dhobighat	2	200000	4,00,000					
10	Overhead cement Concrete Water Tank	1	1500000	15,00,000					5 Lakhs capacity
11	Cattle water tank	4	75000	3,00,000					
12	Installation of Solar Street light in the Villages	50	30000	15,00,000					including installation
13	Installation of Solar Street light on SH 125 and NH 50	70	28570	20,00,000					
14	Support with goat & Cow, Buffalo	10	50000	5,00,000					
15	Multi-Sport Activity centre (Land to provide by Panchayat)	1	2500000	2,50,00,000					
	<b>TOTAL- INFRASTRUCTURE</b>			<b>9,12,00,000</b>					

A. <u>Gulbarga Cement Limited - Socio Economic Development Plan Of Community And Compliance Of Public Hearing Issues for 3 year from start of Project construction Budget for 3 villages (Kirangi, Ferozabad and Somanthhalli Rs 27.836 Cr.</u>									
S.No.	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year -3	Remarks
<b>G</b>	<b>ENVIRONMENT SUSTAINABILITY</b>	<b>No</b>	<b>Rs.</b>	<b>Rs.</b>		<b>Cr.</b>	<b>Cr.</b>	<b>Cr.</b>	
1	Plantation of tress in the surrounding villages	4500	900	40,50,000	Kiranagi Ferozabad Somanathahalli	0.41	0.33	0.6	Include sampling, irrigation, drip, manure, pesticides, manpower and

									Survival for 3 years
2	Plantation along the SH-125 and NH-50. Total 4.9 km*3m=1.47 ha with plantation of 3667 Nos.	3667	900	33,00,000					
3	Watershed Rainwater harvesting structure	3	200000	60,00,000					
	<b>TOTAL- ENVIRONMENT SUSTAINABILITY</b>			<b>1,33,50,000</b>					

A. <u>Gulbarga Cement Limited - Socio Economic Development Plan Of Community And Compliance Of Public Hearing Issues for 3 year from start of Project construction Budget for 3 Villages (Kiranagi, Ferozabad and Somanthhalli Rs 27.836 Cr.</u>									
S.No.	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year -3	Remarks
H	WOMEN EMPOWERMENT	No	Rs.	Rs.		Cr.	Cr.	Cr.	
1	Women literacy Program	150	5000	7,50,000	Kiranagi Ferozabad Somanathahalli	0.11	0.07	1.546	3 month training cost
2	Development of SHG and handholding support for saving	30	6000	1,80,000					
3	Small Business for women	15	25000	3,75,000					
4	Support Rural Girls with bicycle for Education	60	8000	4,80,000					
5	Support women with Tailoring machine	50	9500	4,75,000					Machine with transport
6	Common Skill development Centre for men, women & youths at Plant Site	1	1,50,000,00	1,50,000,00					Electrician, Solar lights maintenance, mobile repairing, driving, modern agriculture technique, tailoring, beautician
	<b>TOTAL- WOMEN EMPOWERMENT</b>			<b>1,72,60,000</b>					

A. <u>Gulbarga Cement Limited - Socio Economic Development Plan Of Community And Compliance Of Public Hearing Issues for 3 year from start of Project construction Budget for 3 Villages (Kiranagi, Ferozabad and Somanthhalli Rs 27.836 Cr.</u>									
S.No.	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year -3	Remarks
I	OTHERS	No	Rs.	Rs.		Cr.	Cr.	Cr.	
1	Support with wheelchairs hand operated to physically	15	18000	2,70,000	Kiranagi Ferozabad Somanathahalli	0.16	0.02	0.02	Hand operated.

	challenged people								
2	Support with wheelchairs to physically challenged people	3	125000	3,75,000					Motorized
3	Providing Ambulance to PHC Centre	1	1400000	14,00,000					
	<b>TOTAL-OTHERS</b>			<b>20,45,000</b>					

**DETAILS OF SOCIO ECONOMIC DEVELOPMENT PLAN OF COMMUNITY AND COMPLIANCE OF PUBLIC HEARING ISSUES ACTIVITIES**  
(Part-B for Five Villages)

B. Gulbarga Cement Limited - Socio Economic Development Plan Of Community And Compliance Of Public Hearing Issues for 3 year from start of Project construction _Budget for 5 Villages _ Rs 3.704 Cr. (Tonasanahalli, Balewad, Farhatabad, Naduvinahalli, Nadisinnur)									
S.NO	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year - 3	Remarks
A.	HEALTH CARE	No.	Rs.	Rs.		Cr	Cr	Cr	
1	Specialist Health Check-up camp	4	120000	4,80,000	Tonasanahalli Balewad Farhatabad Naduvinahalli Nadisinnur	0.08	0.08	0.07	Orthopedic, Gyneologist, Pediatric
2	Eye Care & Checkup	4	200000	8,00,000					Spectacles will be given free of cost and cataract surgery
3	Cataract Surgery	25	12000	3,00,000					Cataract free Village
4	Dental Checkup	4	150000	6,00,000					
5	Artificial Limb	-	10000	-					
6	Handwash Program to School Children	15	10000	1,50,000					
	<b>TOTAL HEALTHCARE</b>			<b>23,30,000</b>					

B. Gulbarga Cement Limited - socio economic development plan of community and compliance of public hearing issues for 3 year from start of Project construction _Budget for 5 Villages _ Rs 3.704 Cr. (Tonasanahalli, Balewad, Farhatabad, Naduvinahalli, Nadisinnur)									
S.NO	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year - 3	Remarks
B	NUTRITION	No.	Rs.	Rs.		Cr	Cr	Cr	
1	Supplementary Nutrition for Anganwadi & Primary School Children	1,35,000	12	16,20,000	Tonasanahalli Balewad Farhatabad Naduvinahalli Nadisinnur	0.06	0.06	0.04	Assuming 270 children in Anganwadi & School. Rs 12 per child for 25 days in a month for 20



									months for 2 year
	<b>TOTAL-NUTRITION</b>			<b>16,20,000</b>					

<b>B.Gulbarga Cement Limited - socio economic development plan of community and compliance of public hearing issues for 3 year from start of Project construction _Budget for 5 Villages _ Rs 3.704 Cr. (Tonasanahalli, Balewad, Farhatabad, Naduvinahalli, Nadisinnur)</b>									
S.NO	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year -3	Remarks
C	EDUCATION	No.	Rs.	Rs.		Cr	Cr	Cr	
1	Modification of Anganwadi	5	500000	25,00,000	Tonasanahalli Balewad Farhatabad Naduvinahalli Nadisinnur	0.16	0.16	0.15	Cartoon Painting, toilet, washbasin, Playing material, Utensil, fans, light, Almirah
2	Meritorious Scholarship to student	10	10000	1,00,000					
3	Abacus Training	200	6000	12,00,000					
4	Support School Children with School Bags, Dress & Books	600	1500	9,00,000					
	<b>TOTAL-EDUCATION</b>			<b>47,00,000</b>					

<b>B.Gulbarga Cement Limited - Socio economic development plan of community and compliance of public hearing issues for 3 year from start of Project construction _Budget for 5 Villages _ Rs 3.704 Cr. (Tonasanahalli, Balewad, Farhatabad, Naduvinahalli, Nadisinnur)</b>									
S.NO	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year -3	Remarks
D	WASH ( WATER & SANITATION)	No.	Rs.	Rs.		Cr	Cr	Cr	
1	Construction of Individual Household Toilets	75	55000	41,25,000	Tonasanahalli Balewad Farhatabad Naduvinahalli Nadisinnur	0.18	0.18	0.15	
2	Installation of Borewell	3	300000	9,00,000					
	<b>TOTAL- WASH (WATER &amp; SANITATION)</b>			<b>50,25,000</b>					

<b>B.Gulbarga Cement Limited - socio economic development plan of community and compliance of public hearing issues for 3 year from start of Project construction _Budget for 5 Villages _ Rs 3.704 Cr. (Tonasanahalli, Balewad, Farhatabad, Naduvinahalli, Nadisinnur)</b>									
S.N O	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year -3	Remarks
E	SKILL DEVELOPMENT/A GRICULTURE/LIV ELIHOOD/EMPLO	No.	Rs.	Rs.		Cr	Cr	Cr	

	YMENT GENERATION								
1	Computer Training Program	100	6000	6,00,000	Tonasanahalli Balewad Farhatabad Naduvinahalli Nadisinnur	0.10	0.10	0.10	
2	Tailoring program/Fashion Design	100	10000	10,00,000					6 months
3	Heavy Motor License ( JCB, Hydra, )	15	30000	4,50,000					1 month with license
4	Support Farmers with Irrigation facility & agriculture equipment	5	150000	7,50,000					
5	Veterinary Camp	4	50000	2,00,000					
<b>TOTAL - SKILL DEVELOPMENT/AGRICULTURE/ LIVELIHOOD/EMPLOYMENT GENERATION</b>				<b>30,00,000</b>					

<b>B.Gulbarga Cement Limited - Socio economic development plan of community and compliance of public hearing issues for 3 year from start of Project construction _Budget for 5 Villages _ Rs 3.704 Cr. (Tonasanahalli, Balewad, Farhatabad, Naduvinahalli, Nadisinnur)</b>								
S.NO	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year -3
F	INFRASTRUCTURE DEVELOPMENT	No.	Rs.	Rs.		Cr	Cr	Cr
1	Development of Park cum Open gym	1	1000000	10,00,000	Tonasanahalli Balewad Farhatabad Naduvinahalli Nadisinnur	0.19	0.19	0.175
2	Infrastructure Development of Panchayat centre	5	220000	11,00,000				
3	Construction of Bus Shelter	2	600000	12,00,000				
4	Installation of Solar street light in the Villages	75	30000	22,50,000				
<b>TOTAL- INFRASTRUCTURE</b>				<b>55,50,000</b>				

<b>B.Gulbarga Cement Limited - Socio economic development plan of community and compliance of public hearing issues for 3 year from start of Project construction _Budget for 5 Villages _ Rs 3.704 Cr. (Tonasanahalli, Balewad, Farhatabad, Naduvinahalli, Nadisinnur)</b>								
S.NO	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year -3
G	ENVIRONMENT SUSTAINABILITY	No.	Rs.	Rs.		Cr	Cr	Cr
1	Plantation of tress in the surrounding villages	1000	900	9,00,000	Tonasanahalli Balewad Farhatabad Naduvinahalli Nadisinnur	0.06	0.06	0.05
2	Deepening of Pond/lakes recharging water	2	400000	8,00,000				
3	Watershed /check dam/Rainwater harvesting structure etc	0	4500000	0				
<b>TOTAL- ENVIRONMENT SUSTAINABILITY</b>				<b>17,00,000</b>				

<b>B.Gulbarga Cement Limited - Socio economic development plan of community and compliance of public hearing issues for 3 year from start of Project construction _Budget for 5 Villages _ Rs 3.704 Cr.</b> <b>(Tonasanahalli, Balewad, Farhatabad, Naduvinahalli, Nadisinnur)</b>								
S.NO	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year - 1	Year -2	Year - 3
H	<b>WOMEN EMPOWERMENT</b>	No.	Rs.	Rs.		Cr	Cr	Cr
1	Women literacy Program	100	5000	5,00,000	Tonasanahalli Balewad Farhatabad Naduvinahalli Nadisinnur	0.06	0.06	0.06
2	Development of SHG and handholding support for saving	40	6000	2,40,000				
3	Support Rural Girls with bicycle for Education	50	8000	4,00,000				
4	Financial Literacy	100	2000	2,00,000				
5	Support women with Tailoring machine	50	9500	4,75,000				
	<b>TOTAL- WOMEN EMPOWERMENT</b>			18,15,000				

<b>B.Gulbarga Cement Limited - Socio economic development plan of community and compliance of public hearing issues for 3 year from start of Project construction _Budget for 5 Villages _ Rs 3.704 Cr.</b> <b>(Tonasanahalli, Balewad, Farhatabad, Naduvinahalli, Nadisinnur)</b>								
S. N O	Activities	Unit	Cost Per unit	Total Cost	Villages Covered	Year -1	Year -2	Year - 3
I	<b>OTHERS</b>	No.	Rs.	Rs.		Cr	Cr	Cr
1	Support with wheelchairs hand operated to physically challenged people	30	18000	5,40,000	Tonasanahalli Balewad Farhatabad Naduvinahalli Nadisinnur	0.034	0.073	1.022
2	Support with wheelchairs to physically challenged people	6	12500	7,50,000				
3	a. School infrastructure b. Dispensary infrastructure c. Common toilets for male & female d. Solar lights (10 nos.) e. Solid waste management vehicle (1 no.) f. Village road g. Drinking water facilities	1	10000	10,00,000	Kadehalli			
	<b>TOTAL- OTHERS</b>			11,290,000				

## Budget for EMP

S. No.	Description of Item	Capital Cost (In Lacs)	Recurring Cost (In Lacs)	Activity
1	Air Pollution Control Measures	9700	480	Pulse Jet Filer, Bag filters & ESP
2	Fugitive emission Control Measures	100	10	Water sprinkler at coal/petcoke storage, limestone and additive storage, limestone crusher unloading hopper
		250	25	Vacuum sweeping machine for continuous road cleaning
3	Online air emission measurement	250	25	OCEMS-(1-SO <sub>2</sub> &NO <sub>x</sub> measurement and 4-PM Measurement), AAQMS-4 Nos
4	Noise Pollution Control Measures	200	20	Acoustic enclosures for turbine, generate set and compressor room
5	Water Pollution Control measures	50	10	STP
6	Water Positivity	100	15	Storm water drainage system, rain water recharge structure and rain water collection pond
7	Environmental Monitoring Lab	80	5	Lab Testing facility of raw water, waste water and treated water, Hazardous waste
8	Plantation Development	832	356	3 tire plantation all along the boundary & inside the plantation and drip irrigation system. (2500 sapling/ha X 94.88 ha =. 2,37,715 nos of plants). Budget:- Capital cost-Rs. 8.32 Cr Recurring cost-Rs. 3.56 Cr Total Cost- Rs.11.88 Cr
9	Occupational health Centre	150	25	Wellness centre for initial and periodic health check-up including male female ward, outdoor medical facility, First aid facility, Testing lab, Ambulance etc.
10	Municipal solid waste treatment	50	10	Organic waste converter for guest house, canteen and leaves

S. No.	Description of Item	Capital Cost (In Lacs)	Recurring Cost (In Lacs)	Activity
11	Wildlife Conservation plan for schedule –I species	156.17	0.0	Deposition of cost approved by DFO for conservation of schedule -I species
12	AFR shed	2500	25	Storage & handling, feeding arrangement of biomass & other hazardous waste materials
13	Hazardous waste management measures	50	10	Construction of Storage shed/ room, with impervious floor , construction of leachate collection tank for used oil
14	Covered shed	7500	75	Limestone, additives, coal, petcoke, gypsum, laterite, bauxite etc.
15	Silo (clinker and fly ash)	7600	76	Clinker, Fly ash(Cement silos cost has been considered in plant cost.)
16	E waste, Battery waste management	50	1	Designated storage facility
17	Awareness on Environment, Health and safety	100	10	Sign Board
18	Under CER: Addressal of Public Consultation concerns (includes adoption of villages)	2113	100	Implementation of CER plan based on local survey and PH issues
19	Concreting of parking area and internal roads	4500	45	
20	Miscellaneous	10	50	
	<b>Total</b>	<b>36341.17</b>	<b>1373</b>	