



सत्यमेव जयते

File No: IA-J-11011/261/2021-IA-II(IND-I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 13/09/2024



To,
M/s. ADANI CEMENTATION LIMITED
Adani House, 56 Srimali Society, Navrangpura Ahmedabad, Navrangpura, AHMADABAD,
GUJARAT, , 380009
Email: sanjay.prasad@adani.com

Subject: Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA), Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra by M/s. Adani Cementation Limited- Grant of Environmental Clearance

Sir/Madam,
M/s. Adani Cementation Limited has made an online application vide Proposal No. IA/MH/IND1/412231/2022 dated 09.04.2024 along with copy of EIA/EMP report, Forms (Part A, B and C) and certified compliance report seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above.

2. The particulars of the proposal are as below :

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| (i) EC Identification No. | EC22B1103MH5800079N |
| (ii) File No. | IA-J-11011/261/2021-IA-II(IND-I) |
| (iii) Clearance Type | Fresh EC |
| (iv) Category | B1 |
| (v) Project/Activity Included Schedule No. | 3(b) Cement plants |
| (vi) Sector | Industrial Projects - 1 Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA), Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra by M/s. Adani Cementation Limited |
| (vii) Name of Project | ADANI CEMENTATION LIMITED |
| (viii) Name of Company/Organization | RAIGAD, MAHARASHTRA |
| (ix) Location of Project (District, State) | MoEF&CC |
| (x) Issuing Authority | |

(xi) Applicability of General Conditions as per EIA Notification, 2006 No

3. The proposed project activity is listed at S. No. 3(b) under Category “B” (All Stand Alone Grinding Unit. Accordingly, the project proponent approached SEIAA, Maharashtra. SEIAA Maharashtra vide their letter dated 23/04/2021 opined that construction of Jetty and Cement plant are interdependent activities and both the units cannot be treated as independent projects Jetty and cement plant is an integrated activity, and which cannot be appraised in isolation and environment clearance Hence, project proponent should apply to MoEF&CC, New Delhi as an integrated project for Jetty and Cement Plant. Therefore, the project will be treated as Category “A” project and appraised at Central Level.

4. The instant Proposal was initially by the EAC in its 58th meeting held during 14-15th May 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**.

Deliberations of MoEFCC

7. The EAC, in its 58nd meeting held during 14 – 15th May, 2024, inter-alia, deliberated the following:

i. The instant proposal is for establishment of a green field Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons per Annum (MMTPA) and 0.5 Million Metric Tons per Annum (MMTPA) Fly ash/ Slag Processing Unit.

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

iii. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

iv. The 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.

v. The EAC noted that as per MoEF&CC O.M. dated 24/12/2010 pertaining to consideration of integrated and inter-linked projects, the project proponent is supposed to prepare a common EIA report after obtaining ToR from the concerned sectoral EAC. During EC process, the common EIA report will be appraised by the concerned sectoral EAC and make their recommendations relating to their particular component. Accordingly, the project proponent has obtained ToR from Infra sector of MoEF&CC vide letter no. 10-77/2018 IA III dated 09/10/2019 and Environment Clearance for the project of Berthing Jetty, Conveyor Corridor with Backup Storage Facilities and Approach Road to Cement Grinding Unit & Fly ash/Slag Processing Unit of Adani Cementation Limited vide letter no. 10-77/2018-IA.III/EC identification no. EC23A3501MH5535147N dated 29th December, 2023 on the basis of EIA/EMP Report prepared considering proposal of Cement Grinding Unit integrated with the Berthing Jetty project in compliance to the Ministry’s OM dated 24th Dec., 2010. PP has also obtained the ToR for cement grinding unit from Industry 1 sector of MoEF&CC vide letter dated 25.08.2021 and now, has applied for EC by submitting the same EIA/EMP Report in compliance to the Ministry’s OM

dated 24th December, 2010.

vi. The EAC took into consideration the recommendations of the Infrastructure Sector pertaining to the interlinked project of Berthing Jetty, Conveyor Corridor with Backup Storage Facilities and Approach Road to Cement Grinding Unit & Fly ash/Slag Processing Unit of Adani Cementation Limited.

vii. 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.

viii. The total project land is 10 ha, out of which 3.24 ha area is under the possession of ACL and rest 6.76 ha will be acquired soon. MoU/Consent from land owners regarding the remaining land has already taken. The present land use of the area is private agriculture land which will be converted into industrial upon introduction of the project.

ix. PP has reported that there are around 113 villages falling within within the study area of the project site along with other sensitive areas. 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.

x. The EAC noted that Amba River is at a distance of 0.4 km in East along with other water bodies within the study area of the project site. No construction activity/infringement shall take place in flood plain of Amba river situated in the vicinity 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.

xi. PP reported that Mangrove Forest is at a distance of ~0.05 km from project boundary. The EAC deliberated on the Mangrove Conservation Plan submitted by the project proponent and is of the opinion that the plan shall be strictly implemented. There shall be regular monitoring and continual improvement in the conservation plan.

xii. The water requirement for the proposed project is estimated as 800 m³/day, which will be obtained from the Maharashtra Industrial Development Corporation (MIDC). The EAC deliberated on the water requirement is of the opinion that PP shall obtain necessary permission from the Competent Authority in this regard.

xiii. The Committee has deliberated on the baseline data along and incremental GLC due to the proposed project and is of the opinion that mitigation measures shall be strictly implemented.

xiv. There are total thirteen Schedule - I species which are Jackal (*Canis aureus*), Indian Porcupine (*Hystrix indica*), Common Mongoose (*Herpestes edwardsii*), Indian chameleon (*Chamaeleo zeylenicus*), Indian Rat Snake (*Ptyas mucosa*), Cobra (*Naja naja*), Sparrow hawk (*Accipiter nisus*), Marsh harrier (*Circus aeruginosus*), Pale harrier (*Circus macrourus*), Pied harrier (*Circus mclanolicucous*), Peregrine falcon (*Falco Peregrinus*), Osprey (*Pandion haliaetus*) & River tern (*Sterna aurantia*) in the study area of 10 km radius. Company has prepared Wildlife Conservation Plan and allocated Rs. 990 lacs for the same. Wildlife Conservation Plan for approval was submitted to DCF, Thane on 3rd Nov., 2022. Currently the Revised Wildlife Conservation Plan including the Schedule – I species as per the Wild Life (Protection) Amendment Act, 2022 dated 19th December, 2022 and the same has been forwarded from APCCF-WL, Mumbai to PCCF, Nagpur for final approval. The EAC opined that Wildlife Conservation Plan shall be strictly implement post approval.

xv. The PP has submitted that greenbelt will be developed in 3.3 ha which is about 33 % of the total project area. A 50 m toward Mangroves side, 15 m toward Jetty and 5 m wide greenbelt consisting of at least 3 tiers around plant boundary will be developed as greenbelt and green cover as per CPCB/MoEF&CC, New Delhi guidelines. Total no. of 8250 saplings will be planted and nurtured in 3.3 hectares in three years. The EAC deliberated on the greenbelt layout plan along with action plan and the budget earmarked and is of the opinion that greenbelt shall be completed within a period of 1 year.

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

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

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

xix. 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.

xx. 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.

xxi. 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 58th meeting held during 14 – 15th May, 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(**Annexure I**).

Decision of MoEFCC

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. Adani Cementation 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

Copy To

1. The Secretary, Environment & Forest Department, Government of Maharashtra, 4th Floor, Mantralaya, Mumbai-400032
2. The Secretary, Revenue Department, Government of Maharashtra, 4th Floor, Mantralaya, Mumbai- 400032
3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
4. The Principal Chief Conservator of Forests & Government of Maharashtra, MECL Building, Dr. Ambedkar Bhawan, Seminary Hills, Civil Lines, Nagpur-440006
5. The Deputy Director General of Forests (C), Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building Civil Lines, Nagpur-440001
6. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 32
7. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Mumbai-400 022.
8. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
9. The District Collector, Raigad, Mumbai
10. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
11. 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 of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard. |
| 1.4 | PP shall complete the acquisition of total project land and its conversion for industrial purpose prior to commencement of project. |

| S. No | EC Conditions |
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| 1.5 | PP has reported that there are around 113 villages falling within within the study area of the project site along with other sensitive areas. 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 | Amba River is at a distance of 0.4 km in East along with other water bodies within the study area of the project site. No construction activity/infringement shall take place in flood plain of Amba river situated in the vicinity 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 implement all suggested measures and action plan in line with Mangrove conservation plan in consultation with Local Forest Department during the construction and operation phase of the proposed project; including the development of greenbelt outside the plant area. There shall be regular monitoring and continual improvement in the conservation plan. |
| 1.8 | Levelling of the proposed project site shall be done considering the NOC obtained from Irrigation Department and the same shall be above the HFL of the Amba River. The retaining wall shall also be developed all along the plant boundary. |
| 1.9 | PP shall explore the possibility of installation of roof-top Solar panels and if found feasible, the power generated from the solar panel shall be utilized in the plant itself. |
| 1.10 | The water requirement of 800 m ³ /day, shall be obtained from the Maharashtra Industrial Development Corporation (MIDC). PP shall obtain necessary permission from the Competent Authority in this regard. |
| 1.11 | Three tier Green Belt shall be developed 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 a 50 m toward Mangroves side, 15 m toward Jetty in addition to 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. The PP shall also do the plantation around the schools in the vicinity of the Plant. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC. |
| 1.12 | 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. 15 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC. |
| 1.13 | The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village. |
| 1.14 | PP shall strictly implement the mitigation measures to minimise the pollution levels. Also PP shall undertake the source apportionment studies and submit the same to IRO. |

| S. No | EC Conditions |
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| 1.15 | 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. |
| 1.16 | The water sources, including ground water, shall be analysed for Ca, Al and Fe once in a year in the vicinity of the Plant (5 km radius) and reported to the IRO, MoEFCC. |
| 1.17 | PP shall restrict the import of gypsum import as raw material and emphasize on utilisation of gypsum available indigenously. |
| 1.18 | Materials shall be transported to and from the jetty with the help of conveyors connecting jetty and plant. The completely covered (Closed type gallery) shall be used for preventing the material from ingress caused by wind and rain. The conveyor details are covered in the Jetty EC dated 29.12.2023. |
| 1.19 | Prior permission from Hon'ble High Court of Bombay should be obtained as per order dated 17 th September, 2018 in PIL 87/2006 for cutting of mangroves, if any, before start of construction of the project |
| 1.20 | PP should prepare a site-specific mangrove management plan in order to enhance the ecological health of mangroves along the creek. Further, Periodical assessment on status of adjacent mangroves (including the water quality of creek, soil characteristics, floral and faunal diversity etc.,) should be done by engaging agencies having expertise in the field and status report should be incorporated in six monthly compliance reports. |
| 1.21 | In order to preserve the existing mangroves along the creek, PP should assess the decadal change in extent mangroves along creek and should take necessary mitigation measures to eliminate factors responsible for mangrove degradation along the creek, in terms of quality and quantity, in consultation with Forest department/mangrove cell. |
| 1.22 | If any mangroves cutting are involved, mangrove afforestation should be carried out (10 times the areas to be affected) in consultation with Forest Department/Mangrove Foundation and success of mangrove afforestation efforts needs to be verified annually by reputed institution in the field of mangrove restoration and report should be submitted to concern IRO. |

Standard EC Conditions for (Cement plants)

1. Statutory Compliance

| S. No | EC Conditions |
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| 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 |

| S. No | EC Conditions |
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| | to this project. |

2. Air Quality Monitoring And Preservation

| S. No | EC Conditions |
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| 2.1 | The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous and their no's.) |
| 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. |

| S. No | EC Conditions |
|-------|---|
| 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 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 |
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| 3.1 | The emission norms applicable for the cement plant shall be adhered to. |
| 3.2 | Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack. |
| 3.3 | DeSO _x system shall be provided dry type. NO _x level shall be maintained below 600 mg/Nm ³ by using best available technology. |
| 3.4 | Petcoke dosing shall be controlled automatically to control SO ₂ emission from chimney within the prescribed limits. |
| 3.5 | PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented. |
| 3.6 | Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB. |

4. Water Quality Monitoring And Preservation

| S. No | EC Conditions |
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| 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. |

5. Noise Monitoring And Prevention

| S. No | EC Conditions |
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| 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 |
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| 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; |

| S. No | EC Conditions |
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| 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 |
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| 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 |
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| 8.1 | Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area. |
| 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 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 |
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| 9.1 | The project proponent shall prepare GHG emissions inventory for the plant and shall submit the |

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

10. Public Hearing And Human Health Issues

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

11. Environment Management

| S. No | EC Conditions |
|-------|---|
| 11.1 | The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed. |
| 11.2 | The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report. |
| 11.3 | A separate Environmental Cell both at the project and company head quarter level, with qualified |

| S. No | EC Conditions |
|-------|---|
| | personnel shall be set up under the control of senior Executive, who will directly to the head of the organization. |
| 11.4 | Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC. |

12. Miscellaneous

| S. No | EC Conditions |
|-------|---|
| 12.1 | The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently. |
| 12.2 | The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt. |
| 12.3 | The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis. |
| 12.4 | The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company. |
| 12.5 | Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented |
| 12.6 | The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal. |
| 12.7 | The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company. |
| 12.8 | The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project. |
| 12.9 | The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee. |
| 12.10 | The recommendations of the approved Site-Specific Wildlife Management Plan (in case of |

| S. No | EC Conditions |
|-------|---|
| | 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

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

| S. No. | Particulars | Details | | | | | | | | | | | | | | | |
|------------------|---|---|------------|---------------|-----------|-----------------|------|------|------------------|------|-----|------------------|------|-----|---------------|------|-----|
| a. | Terms of Reference for undertaking EIA study | 25.08.2021 | | | | | | | | | | | | | | | |
| b. | Period of baseline data collection | Oct., 2021 To Dec., 2021 | | | | | | | | | | | | | | | |
| c. | Date of Public Consultation | 18.04.2022 | | | | | | | | | | | | | | | |
| 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 | Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra | | | | | | | | | | | | | | | |
| f. | Total land | 10 ha Govt. lease land | | | | | | | | | | | | | | | |
| g. | Land acquisition details as per MoEF&CC O.M. dated 7/10/2014 | Out of the total project area; 3.24 ha area is under the possession of ACL and rest 6.76 ha will be acquired soon. MoU/Consent from land owners regarding the remaining land has already taken. | | | | | | | | | | | | | | | |
| h. | Existence of habitation & involvement of R&R, if any | <p>Project Site: No habitation exists within the project site. Study Area: Villages falling near to the project site are as given below:</p> <table border="1"> <thead> <tr> <th>Habitation</th> <th>Distance (km)</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Village Shahbaj</td> <td>~1.8</td> <td>SW</td> </tr> <tr> <td>Village Ghasawad</td> <td>~2.0</td> <td>SW</td> </tr> <tr> <td>Village Walawade</td> <td>~2.5</td> <td>SSW</td> </tr> <tr> <td>Village Kolve</td> <td>~2.5</td> <td>ENE</td> </tr> </tbody> </table> <p>Apart from the above there are approx. 113 villages falling within the 10 km radius study area.</p> | Habitation | Distance (km) | Direction | Village Shahbaj | ~1.8 | SW | Village Ghasawad | ~2.0 | SW | Village Walawade | ~2.5 | SSW | Village Kolve | ~2.5 | ENE |
| Habitation | Distance (km) | Direction | | | | | | | | | | | | | | | |
| Village Shahbaj | ~1.8 | SW | | | | | | | | | | | | | | | |
| Village Ghasawad | ~2.0 | SW | | | | | | | | | | | | | | | |
| Village Walawade | ~2.5 | SSW | | | | | | | | | | | | | | | |
| Village Kolve | ~2.5 | ENE | | | | | | | | | | | | | | | |
| i. | Elevation of the project site | 4.66 to 4.86 m above mean sea level. | | | | | | | | | | | | | | | |
| j. | Involvement of Forest land if any. | No involvement of Forest Land | | | | | | | | | | | | | | | |
| k. | Water body exists within the project site as well as study area | <p>Project site: There is no Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site. Study area: Following water bodies are falling 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>Amba river</td> <td>0.4</td> <td>East</td> </tr> <tr> <td>Shreegaon dam</td> <td>6.0</td> <td>SSW</td> </tr> <tr> <td>Teenvira Dam</td> <td>6.1</td> <td>SW</td> </tr> </tbody> </table> | Water body | Distance (km) | Direction | Amba river | 0.4 | East | Shreegaon dam | 6.0 | SSW | Teenvira Dam | 6.1 | SW | | | |
| Water body | Distance (km) | Direction | | | | | | | | | | | | | | | |
| Amba river | 0.4 | East | | | | | | | | | | | | | | | |
| Shreegaon dam | 6.0 | SSW | | | | | | | | | | | | | | | |
| Teenvira Dam | 6.1 | SW | | | | | | | | | | | | | | | |

| S. No. | Particulars | Details | | | | | | | | | | | | | | | | | |
|-------------|--|---|------|-------------------------|---------------------------|---------------|-----------|-------------|-----|------|-------------|-----|-------|-------------|-----|----|-------------|-----|-----|
| | | | | | | | | | | | | | | | | | | | |
| | | Bhogeshwar river | 7.5 | NNE | | | | | | | | | | | | | | | |
| l. | Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area | <p>Study area: There is no ESZ/ESA/National Park/Wildlife Park/Wildlife Sanctuary/ Biosphere reserve/ Tiger reserve/ Elephant reserve within the 10 km radius study area. Mangrove forest at a distance of ~0.05 km from project boundary.</p> <p>List of Reserved and Protected Forest:</p> <table border="1"> <thead> <tr> <th>Forest</th> <th>Distance (km)</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>RF patch 01</td> <td>4.0</td> <td>East</td> </tr> <tr> <td>RF patch 02</td> <td>6.0</td> <td>South</td> </tr> <tr> <td>RF patch 03</td> <td>6.0</td> <td>SW</td> </tr> <tr> <td>RF patch 04</td> <td>8.0</td> <td>WNW</td> </tr> </tbody> </table> | | | Forest | Distance (km) | Direction | RF patch 01 | 4.0 | East | RF patch 02 | 6.0 | South | RF patch 03 | 6.0 | SW | RF patch 04 | 8.0 | WNW |
| Forest | Distance (km) | Direction | | | | | | | | | | | | | | | | | |
| RF patch 01 | 4.0 | East | | | | | | | | | | | | | | | | | |
| RF patch 02 | 6.0 | South | | | | | | | | | | | | | | | | | |
| RF patch 03 | 6.0 | SW | | | | | | | | | | | | | | | | | |
| RF patch 04 | 8.0 | WNW | | | | | | | | | | | | | | | | | |
| m. | Project cost | Proposed – INR Rs 547.19 Crores | | | | | | | | | | | | | | | | | |
| n. | EMP cost | <table border="1"> <thead> <tr> <th>Type</th> <th>Capital (Rs. in Crores)</th> <th>Recurring (Rs. in Crores)</th> </tr> </thead> <tbody> <tr> <td>Proposed</td> <td>65</td> <td>1.95</td> </tr> </tbody> </table> | Type | Capital (Rs. in Crores) | Recurring (Rs. in Crores) | Proposed | 65 | 1.95 | | | | | | | | | | | |
| Type | Capital (Rs. in Crores) | Recurring (Rs. in Crores) | | | | | | | | | | | | | | | | | |
| Proposed | 65 | 1.95 | | | | | | | | | | | | | | | | | |
| o. | Employment opportunity | 900 persons (direct & Indirect) | | | | | | | | | | | | | | | | | |
| p. | Water and Power requirement | (Total)Water 2250 KLD, Power –56 MVA | | | | | | | | | | | | | | | | | |
| q. | Details of inter-linked/integrated Projects. | <ul style="list-style-type: none"> Berthing Jetty, Conveyor Corridor with Backup Storage Facilities and Approach Road to Cement Grinding Unit & Fly ash/Slag Processing Unit of Adani Cementation Limited is a interlinked project. Environment Clearance (EC) for the same has been obtained from MoEF&CC, New Delhi vide letter no. 10-77/2018-IA.III/EC identification no. EC23A3501MH5535147N dated 29th Dec., 2023. | | | | | | | | | | | | | | | | | |

Unit configuration and capacity

| S No | Facility | configuration | Production (MTPA) |
|------|-------------------------------|---------------------------------------|-------------------|
| i. | Cement Grinding unit | 2 x 325 TPH (Vertical Roller Mill) | 4.5 |
| ii. | Fly Ash/ Slag processing unit | 1x 75 TPH (Ball Mill) | 0.5 |



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

| S. No. | Concerns raised during the Public Hearing | Physical activity to be done | Unit of Measurement | | | | | | Tentative Budget (Rs. in lacs) |
|--------------------------------|---|--|---------------------------|-----------------|-----------------------------|-----------------|-----------------------------|-----------------|--------------------------------|
| | | | 1 st Year | | 2 nd Year | | 3 rd Year | | |
| | | | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | |
| 1 | Skill Development | Setting up of skill development training center (Providing short duration training programs for unemployed youth in the field of domestic electrician, plumber, motor mechanic etc.) | (Village Shahbaj & Kolve) | 100 | (Village Dolvi & Bori) | 100 | (Village Pezari & Shahapur) | 100 | 300 |
| | | Vocational Course, technical trainings | | | | | | | |
| 2 | Rural Infrastructure Development | Develop/ Strengthening Multipurpose Community Hall | (Village Shahbaj & Kolve) | 20 | (Village Dolvi & Bori) | 20 | (Village Pezari & Shahapur) | 20 | 60 |
| | | Installation of Solar Panels in the Government / Municipal / other public schools, hospitals and Dispensaries | 20 nos. | | 20 nos. | | 20 nos. | | 6 |
| | | | (Village Shahbaj & Kolve) | 2 | (Village Dolvi & Bori) | 2 | (Village Pezari & Shahapur) | 2 | |
| | | Creating Model Anganwadi | (Village Shahbaj & Kolve) | 10 | (Village Dolvi & Bori) | 10 | (Village Pezari & Shahapur) | 10 | 30 |
| | | Development & Modification of Playgrounds and providing necessary sports equipments & faacilities for various types of sports | Village Shahbaj | 20 | Village Kolve | 20 | Village Pezari | 20 | 60 |
| Construction and strengthening | (Village Shahbaj | 30 | (Village Dolvi & Bori) | 30 | (Village Pezari & Shahapur) | 30 | 90 | | |

| S. No. | Concerns raised during the Public Hearing | Physical activity to be done | Unit of Measurement | | | | | | Tentative Budget (Rs. in lacs) |
|--------|---|--|---------------------------|-----------------|------------------------|-----------------|-----------------------------|-----------------|--------------------------------|
| | | | 1 st Year | | 2 nd Year | | 3 rd Year | | |
| | | | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | |
| | | of internal village pathways/roads | & Kolve) | | | | | | |
| 3 | Education | Upgradations/ Renovation of Classrooms in Schools of nearby Villages, support infrastructure development like construction of toilets (girls & boys) in Schools, drinking water facility, sports equipment, laboratory equipment's and installation of smart classes in the Government schools to promote Digital education etc. | (Village Shahbaj & Kolve) | 50 | (Village Dolvi & Bori) | 50 | (Village Pezari & Shahapur) | 50 | 150 |
| | | Financial support to meritorious students | | 20 | | 20 | | 20 | 60 |
| 4 | Health | Infrastructure development at PHC and at sub centres (Construction of delivery rooms, supplying of modern medical equipment, etc. support such as vaccination drives | (Village Shahbaj & Kolve) | 50 | (Village Dolvi & Bori) | 50 | (Village Pezari & Shahapur) | 50 | 150 |
| | | Mobile toilets for community areas | (Village Shahbaj & Kolve) | 5 | (Village Dolvi & Bori) | 5 | (Village Pezari & Shahapur) | 5 | 15 |

| S. No. | Concerns raised during the Public Hearing | Physical activity to be done | Unit of Measurement | | | | | | Tentative Budget (Rs. in lacs) |
|--------|---|--|---------------------------|-----------------|------------------------|-----------------|-----------------------------|-----------------|--------------------------------|
| | | | 1 st Year | | 2 nd Year | | 3 rd Year | | |
| | | | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | |
| 5 | Women Empowerment | Development of Women Empowerment Centre for Socio economic development (Skill Development training center with the installation of sewing machines, machines for making handcraft items & distribution of beauty parlor kits etc.) | (Village Shahbaj & Kolve) | 10 | (Village Dolvi & Bori) | 10 | (Village Pezari & Shahapur) | 10 | 30 |
| 6 | Water related | Installation of RO Plants & Water coolers to provide safe drinking water at community places | (Village Shahbaj & Kolve) | 10 | (Village Dolvi & Bori) | 10 | (Village Pezari & Shahapur) | 10 | 30 |
| 7 | Agriculture Related | Scientific Support and Awareness training to local Farmers to increase yield of crop and Fodder, fisheries, Capacity building training to farmers to reduce input cost and enhance income/ productivity and to improve agri-crop yield and social forestry | (Village Shahbaj & Kolve) | 2 | (Village Dolvi & Bori) | 2 | (Village Pezari & Shahapur) | 2 | 6 |
| | | Distribution of good quality seeds to farmers, encouragement for organic farming, linkage of | (Village Shahbaj & Kolve) | 4 | (Village Dolvi & Bori) | 3 | (Village Pezari & Shahapur) | 3 | 10 |

| S. No. | Concerns raised during the Public Hearing | Physical activity to be done | Unit of Measurement | | | | | | Tentative Budget (Rs. in lacs) |
|--------------|---|---|---------------------------|-----------------|------------------------|-----------------|-----------------------------|-----------------|--------------------------------|
| | | | 1 st Year | | 2 nd Year | | 3 rd Year | | |
| | | | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | |
| | | farmers to the source to get Organic materials and fertilizers | | | | | | | |
| 8 | Afforestation | Distribution of variety of tree species, herbal, fruit bearing types saplings with Tree guards and Avenue plantation in nearby villages & schools | (Village Shahbaj & Kolve) | 1 | (Village Dolvi & Bori) | 1 | (Village Pezari & Shahapur) | 1 | 3 |
| Total | | | | 334 | | 333 | | 333 | 1000 |

NOTE: Nature of the activities & village can be interchanged from village to village may vary as per the requirement of locals/panchayat during the execution phase in coordination with local Gram Panchayat within the overall budget proposed here for Socio- Economic Development Plan.

Detailed Activity-wise Action Plan for Model Villages

| S. No. | Concerns raised during the Public Hearing | Physical activity to be done | Unit of Measurement | | | | | | Tentative Budget (Rs. in lacs) |
|--------|---|--|--|-----------------|--|-----------------|--|-----------------|--------------------------------|
| | | | 1 st Year | | 2 nd Year | | 3 rd Year | | |
| | | | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | |
| 1 | Skill Development | Job oriented skills development training to unemployed youth | 100 trainees / Covering all 6 villages | 15 | 100 trainees / Covering all 6 villages | 15 | 100 trainees / Covering all 6 villages | 15 | 45 |
| | | Capacity Building and livelihood support to women | 100 women / all 6 villages | 10 | 100 women /all 6 villages | 10 | 100 women / all 6 villages | 10 | 30 |
| 2 | Rural Infrastructure | Multipurpose | 1 / Village | 10 | 1 / Village Kolve | 10 | 1 / Village | 10 | 30 |

| S. No. | Concerns raised during the Public Hearing | Physical activity to be done | Unit of Measurement | | | | | | Tentative Budget (Rs. in lacs) |
|--------|---|---|-------------------------------------|-----------------|----------------------------------|-----------------|---------------------------------------|-----------------|--------------------------------|
| | | | 1 st Year | | 2 nd Year | | 3 rd Year | | |
| | | | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | |
| | <i>Development</i> | Community Hall | Shahbaj | | | | Shahapur | | |
| | | Solar Street Lights | 30 / All 6 villages | 15 | 30 / All 6 villages | 15 | 30 / All 6 villages | 15 | 45 |
| | | Provision of Solar Panels in the Government / Municipal / other public schools, hospitals and Dispensaries in nearby villages | 20 / Covering all 6 villages | 20 | 20 / Covering all 6 villages | 20 | 20 / Covering all 6 villages | 20 | 60 |
| | | Strengthening of Rural Pathways | 2 / Village Shahbaj & Village Kolve | 9 | 2 / Village Dolvi & Village Bori | 9 | 2 / Village Pezari & Village Shahapur | 9 | 27 |
| | | Creating Model Anganwadi | 2 / Village Shahbaj & Village Kolve | 10 | 2 / Village Dolvi & Village Bori | 10 | 2 / Village Pezari & Village Shahapur | 10 | 30 |
| | | Community toilet blocks | 3 / Village Shahbaj | 9 | 3 / Village Dolvi & | 9 | 3 / Village Pezari & | 9 | 27 |

| S. No. | Concerns raised during the Public Hearing | Physical activity to be done | Unit of Measurement | | | | | Tentative Budget (Rs. in lacs) | |
|--------|---|--|------------------------------------|-----------------|----------------------------------|-----------------|---------------------------------------|--------------------------------|-----------------|
| | | | 1 st Year | | 2 nd Year | | 3 rd Year | | |
| | | | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | Location / Area | | Budget in Lakhs |
| | | | aj & Village Kolve | | Village Bori | | Village Shahapur | | |
| | | Repairing of schools | 4 / Village Shahaj & Village Kolve | 9 | 4 / Village Dolvi & Village Bori | 9 | 4 / Village Pezari & Village Shahapur | 9 | 27 |
| 3 | Ground Water Conservation | Ponds deepening & maintenance | 5 / Village Shahaj & Village Kolve | 10 | 5 / Village Dolvi & Village Bori | 10 | 5 / Village Pezari & Village Shahapur | 10 | 30 |
| | | Shore-line bund protection | 6 / Village Shahaj & Village Kolve | 5 | 6 / Village Dolvi & Village Bori | 5 | 6 / Village Pezari & Village Shahapur | 5 | 15 |
| 4 | Safe Drinking Water | Installation of RO filters in the Government / Municipal / other public schools, hospitals and Dispensaries in | 6 / Covering all 6 villages | 6 | 6 / Covering all 6 villages | 6 | 6 / Covering all 6 villages | 6 | 18 |

| S. No. | Concerns raised during the Public Hearing | Physical activity to be done | Unit of Measurement | | | | | | Tentative Budget (Rs. in lacs) |
|--------|---|---|-------------------------------------|-----------------|----------------------------------|-----------------|---------------------------------------|-----------------|--------------------------------|
| | | | 1 st Year | | 2 nd Year | | 3 rd Year | | |
| | | | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | |
| | | nearby villages | | | | | | | |
| 5 | Education | Strengthening of school infrastructure to create model school | 2 / Village Shahbaj & Village Kolve | 10 | 2 / Village Dolvi & Village Bori | 10 | 2 / Village Pezari & Village Shahapur | 10 | 30 |
| | | Providing Sports Kit to schools | 12 / Covering all 6 villages | 1 | 12 / Covering all 6 villages | 1 | 12 / Covering all 6 villages | 1 | 3 |
| | | Coaching for competitive examinations | 1 / Village Shahbaj & Village Kolve | 5 | 1 / Village Dolvi & Village Bori | 5 | 1 / Village Pezari & Village Shahapur | 5 | 15 |
| 6 | Health | Strengthening of community health centers infrastructure | 2 / Village Shahbaj & Village Kolve | 20 | 2 / Village Dolvi & Village Bori | 20 | 2 / Village Dolvi & Village Bori | 20 | 30 |
| 7 | Afforestation | Raising of Avenue Plantations and Plantations in Public/Community Areas | 2 / Village Shahbaj & Village Kolve | 3 | 2 / Village Dolvi & Village Bori | 3 | 2 / Village Dolvi & Village Bori | 2 | 6 |
| | | | | 167 | | 167 | | 166 | 500 |

| S. No. | Concerns raised during the Public Hearing | Physical activity to be done | Unit of Measurement | | | | | | Tentative Budget (Rs. in lacs) |
|--------|---|------------------------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|--------------------------------|
| | | | 1 st Year | | 2 nd Year | | 3 rd Year | | |
| | | | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | Location / Area | Budget in Lakhs | |
| | | | | | | | Total | 500 | |

