



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

To,

The Sr Vice President
SHREE DIGVIJAY CEMENT COMPANY LTD
PO Digvijaygram : 361140
Via : Jamnagar,,Jamnagar,Gujarat-361140

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/GJ/IND1/415935/2023 dated 17 Feb 2023. The particulars of the environmental clearance granted to the project are as below.

| | |
|--|--|
| 1. EC Identification No. | EC23A009GJ110379 |
| 2. File No. | IA-J-11011/409/2019-IA-II(IND-I) |
| 3. Project Type | Expansion |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 3(b) Cement plants |
| 6. Name of Project | Expansion of Cement Plant (1.20 MTPA to 3.00 MTPA) and Clinker (1.10 MTPA to 2.21 MTPA) with 8.5 MW WHRS |
| 7. Name of Company/Organization | SHREE DIGVIJAY CEMENT COMPANY LTD |
| 8. Location of Project | Gujarat |
| 9. TOR Date | N/A |

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

Date: 21/04/2023

(e-signed)
Dr. R. B. Lal
Scientist F
IA - (Industrial Projects - 1 sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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F. No. IA-J-11011/409/2019-IA-II(IND-I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division – Industry I sector)

Indira Paryavaran Bhawan
Vayu Wing, 3rd Floor,
Jor Bagh Road, Aliganj,
New Delhi – 110003

Dated: 21st April, 2023

To,

M/s Shree Digvijay Cement Company Ltd.
Village- Sikka, PO- Digvijaygram
Dist.- Jamnagar, Gujarat- 361140
Email: r.krishnakumar@digvijaycement.com

Project: Expansion of Cement Plant (1.20 to 3.00 MTPA) and Clinker (1.10 to 2.21 MTPA) with 8.5 MW WHRS located in 48.71 ha, M/s Shree Digvijay Cement Company Ltd., located at P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat – Grant of Environmental Clearance-regarding.

Sir,

This refers to your proposal no. IA/GJ/IND1/415935/2023 dated 27.01.2023 along with copy of EIA/EMP report, Forms (Part A, B and C) seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. Further, the PP has uploaded the information on Parivesh portal on 10.03.2023.

2. The proposed project activity is listed at schedule no. 3(b) Cement Plants under Category “A” of the schedule of the EIA Notification, 2006 and appraised at central level.
3. The instant Proposal was earlier considered during the 24th EAC meeting held during 28th February - 1st March, 2023 wherein the Committee deferred the proposed project and recommended for site visit. The proposal was further considered in the 25th EAC Meeting held during 21st – 23rd March, 2023 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>
4. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are as under: -

| S. No. | Particulars | Details submitted by the PP |
|--------|--|--|
| a. | Terms of Reference for undertaking EIA study | 07.07.2022 |
| b. | Period of baseline data collection | March to May 2021 |
| c. | Date of Public Consultation | 17.01.2023 |
| d. | Action plan to address | An amounts of Rs 1,050.55 Lakhs have been earmarked to |



| S. No. | Particulars | Details submitted by the PP | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|--|-------------------|------------------|-------------|---------------|-----------|----------------|------|------|-------------|------|---------------|---------------|------|------------|----------------|-----|-------|--------------------|-------|------------|
| | the PH issues | address the issues raised during public hearing. Detail of activities proposed attached as Annexure 1 . | | | | | | | | | | | | | | | | | | | | |
| e. | Location of the project | P.O. Digvijaygram, Sikka, District Jamnagar, Gujarat | | | | | | | | | | | | | | | | | | | | |
| f. | Latitude and Longitude of the project site | Point | Plant Area | | | | | | | | | | | | | | | | | | | |
| | | | Latitude | Longitude | | | | | | | | | | | | | | | | | | |
| | | North most | 22°26'3.51"N | 69°50'6.69"E | | | | | | | | | | | | | | | | | | |
| | | East most | 22°25'52.45"N | 69°50'21.96"E | | | | | | | | | | | | | | | | | | |
| | | South most | 22°25'26.81"N | 69°50'7.01"E | | | | | | | | | | | | | | | | | | |
| | | West most | 22°25'34.60"N | 69°49'50.40"E | | | | | | | | | | | | | | | | | | |
| g. | Total land | Land: 48.71 ha | | | | | | | | | | | | | | | | | | | | |
| h. | Land acquisition details as per MoEF&CC O.M. dated 7/10/2014 | The existing plant area is already in possession of the company and expansion shall be undertaken within the existing land. No additional land shall be required for proposed expansion of project. | | | | | | | | | | | | | | | | | | | | |
| i. | Existence of habitation & involvement of R&R, if any | <p>Plant Site: No habitation exists in the plant area so there is no R&R needed.</p> <p>Study Area:</p> <table border="1"> <thead> <tr> <th>Habitation</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>SDCCL Colony</td> <td>20 m</td> <td>West</td> </tr> <tr> <td>Sikka</td> <td>10 m</td> <td>East to North</td> </tr> <tr> <td>Nimaz Colony</td> <td>20 m</td> <td>South west</td> </tr> <tr> <td>Mungni village</td> <td>750</td> <td>South</td> </tr> <tr> <td>GSECL (TPS) colony</td> <td>400 m</td> <td>South East</td> </tr> </tbody> </table> | | | Habitation | Distance | Direction | SDCCL Colony | 20 m | West | Sikka | 10 m | East to North | Nimaz Colony | 20 m | South west | Mungni village | 750 | South | GSECL (TPS) colony | 400 m | South East |
| Habitation | Distance | Direction | | | | | | | | | | | | | | | | | | | | |
| SDCCL Colony | 20 m | West | | | | | | | | | | | | | | | | | | | | |
| Sikka | 10 m | East to North | | | | | | | | | | | | | | | | | | | | |
| Nimaz Colony | 20 m | South west | | | | | | | | | | | | | | | | | | | | |
| Mungni village | 750 | South | | | | | | | | | | | | | | | | | | | | |
| GSECL (TPS) colony | 400 m | South East | | | | | | | | | | | | | | | | | | | | |
| j. | Elevation of the project site | 8-17 m above mean sea level. | | | | | | | | | | | | | | | | | | | | |
| k. | Involvement of Forest land if any. | No forest land involved. | | | | | | | | | | | | | | | | | | | | |
| l. | Water body exists within the project site as well as study area | <p>Project Site: A seasonal nala enters through the SSE direction into the plant boundary and exits in south western direction and covers a short distance of 375 m in the south side of plant area.</p> <p>Study area :</p> <table border="1"> <thead> <tr> <th>River/ Nala</th> <th>Distance (km)</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Gulf of Kachch</td> <td>0.5</td> <td>NW</td> </tr> <tr> <td>Sasoi River</td> <td>6.6</td> <td>E</td> </tr> <tr> <td>Phuljar River</td> <td>8.4</td> <td>SSW</td> </tr> <tr> <td>Bed Dam</td> <td>7.9</td> <td>E</td> </tr> </tbody> </table> | | | River/ Nala | Distance (km) | Direction | Gulf of Kachch | 0.5 | NW | Sasoi River | 6.6 | E | Phuljar River | 8.4 | SSW | Bed Dam | 7.9 | E | | | |
| River/ Nala | Distance (km) | Direction | | | | | | | | | | | | | | | | | | | | |
| Gulf of Kachch | 0.5 | NW | | | | | | | | | | | | | | | | | | | | |
| Sasoi River | 6.6 | E | | | | | | | | | | | | | | | | | | | | |
| Phuljar River | 8.4 | SSW | | | | | | | | | | | | | | | | | | | | |
| Bed Dam | 7.9 | E | | | | | | | | | | | | | | | | | | | | |

| S. No. | Particulars | Details submitted by the PP | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|--|----------------|---------------|-----------|----------------|-----|-----|-----------------------|-----|-----|---------------------------|-----|----|-------------------------------------|-----|----|-----------------------------------|-----|-----|
| m. | Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area | <p>Study area Name of the ESZ/ESA: (1) Marine National Park, (2) ESZ, (3) Marine Sanctuary Status of Notification: 22.08.2013 of ESZ Distance of project from ESZ/ESA: (1) Marine National Park 3.48 km, (2) ESZ 4.36 km, (3) Marine Sanctuary 1.48 km Authenticated map of ESZ projecting distance of ESZ from project site: received from Deputy Conservator of Forest, Marine National Park, Jamnagar, Gujarat Status of NBWL approval: Not applicable</p> <p>List of reserved and protected forests within study area :</p> <table border="1" data-bbox="612 651 1469 954"> <thead> <tr> <th>Name of forest</th> <th>Distance (km)</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>RF Near Sarmat</td> <td>8.1</td> <td>ENE</td> </tr> <tr> <td>RF Near Khatia Bareja</td> <td>9.2</td> <td>SSW</td> </tr> <tr> <td>Mangrove Swamp Near Sikka</td> <td>1.8</td> <td>NE</td> </tr> <tr> <td>Mangrove Swamp Near Patra Van Creek</td> <td>6.6</td> <td>NE</td> </tr> <tr> <td>Mangrove Swamp Near Mangeti Khadi</td> <td>9.4</td> <td>WNW</td> </tr> </tbody> </table> <p>The comments of ESZ Division of the Ministry has also been sought and the ESZ Division mentioned that based on the superimposition of KML of the proposed project site and the kml of the Marine Sanctuary & Marine NP and its ESZ, it is found that the project site is located outside of the ESZ of the Marine Sanctuary & Marine NP (approx. 2.09 km).</p> | Name of forest | Distance (km) | Direction | RF Near Sarmat | 8.1 | ENE | RF Near Khatia Bareja | 9.2 | SSW | Mangrove Swamp Near Sikka | 1.8 | NE | Mangrove Swamp Near Patra Van Creek | 6.6 | NE | Mangrove Swamp Near Mangeti Khadi | 9.4 | WNW |
| Name of forest | Distance (km) | Direction | | | | | | | | | | | | | | | | | | |
| RF Near Sarmat | 8.1 | ENE | | | | | | | | | | | | | | | | | | |
| RF Near Khatia Bareja | 9.2 | SSW | | | | | | | | | | | | | | | | | | |
| Mangrove Swamp Near Sikka | 1.8 | NE | | | | | | | | | | | | | | | | | | |
| Mangrove Swamp Near Patra Van Creek | 6.6 | NE | | | | | | | | | | | | | | | | | | |
| Mangrove Swamp Near Mangeti Khadi | 9.4 | WNW | | | | | | | | | | | | | | | | | | |
| n. | Project cost | The capital cost of the proposed project is Rs. 675 Cr. | | | | | | | | | | | | | | | | | | |
| o. | EMP cost | The capital cost for environmental protection measures is proposed as Rs 43.68 Crore (excluding addressal of public consultation concerns). The annual recurring cost towards the environmental protection measures is proposed as Rs 6.62 Crore. | | | | | | | | | | | | | | | | | | |
| p. | Employment opportunity | The employment generation from the proposed project/ expansion is 379 (direct) & 780 (indirect) persons. | | | | | | | | | | | | | | | | | | |
| q. | Water and Power requirement | <p>The existing Water requirement is 150 m³/day. The additional water requirement for the proposed project is estimated as 90 m³/day.</p> <p>Existing power requirement of 15.1 MW is obtained from WHRS (3.6 MW) and state electricity grid (11.5 MW). The power requirement for the proposed project is estimated as additional 15.9 MW, out of which 4.9 MW will be obtained from the WHRS and 12.5 MW form the state electricity grid.</p> | | | | | | | | | | | | | | | | | | |

Unit configuration and capacity:

| Sl. No. | Plant Equipment/ Facility | Existing facilities | | Proposed Units | | Final (Existing + Proposed) | | Remarks |
|---------|----------------------------------|---------------------|----------|-------------------|-----------|--------------------------------|-----------|---|
| | | Configur-ation | Capacity | Configur-ation | Capacity | Configur-ation | Capacity | |
| 1. | Cement plant | 1 no. X 1.2 MTPA | 1.2 MTPA | 1 no. X 1.8 MTPA | 1.8 MTPA | 1 no. X 1.2 + 1 no. X 1.8 MTPA | 3.0 MTPA | |
| 2. | Clinker plant | 1 no. X 1.10MTPA | 1.10MTPA | 1 no. X 1.11 MTPA | 1.11 MTPA | 1 X 1.10 + 1 no. X 1.11 MTPA | 2.21 MTPA | Not mentioned separately In CTO |
| 3. | Power generation from Waste heat | 8.5 MW | 8.5 MW | 0 | 0 | 8.5 MW | 8.5 MW | 100% installed but recovery 3.6 MW during operation |

6. The EAC, in its meeting held during **21st to 23rd March 2023**, inter-alia, deliberated the following:

- i. The instant proposal is for enhancement of production capacity of Cement from 1.20 to 3.00 MTPA and Clinker from 1.10 to 2.21 MTPA along with existing 8.5 MW WHRS.
- ii. As reported by PP, the company was established during 1944 and started commercial production of Cement / Clinker through wet process technology in the year of 1949. Dry Process Technology Cement / Clinker Plant's commercial production commenced on 1st September 1985. Thus, the Cement Plant was in operation prior to the EIA Notification of 1994 & 2006. The cost of project was less than Rs. 50 crores at the time of notification of the EIA Notification 1994. Hence, the project was exempted from requirement of environment clearance under EIA notification 1994. PP has submitted Certificate issued by the Chartered Accountant (with explanation) dated 01.03.2023. PP has further submitted affidavit dated 11.02.2023, stating that the production levels have never been exceeded and Company has not committed any violation under EIA Notification, 2006.
- 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. Based on the site visit conducted by EAC (Industry-1) sub-committee during 15-16th March, 2023, the EAC noted the following:

Observation of Sub-committee:

- *The sub-committee observed that the layout plan is not in accordance to the environmental considerations i.e., poor road networking, improper display of area statement and indexing, poor placement of Green Belt, inappropriate drainage disposal system, poor water conservation plan.*
- *It was observed that the rain water harvesting system has been executed in a proper way in the residential area outside the plant premises.*
- *It was also observed that the PP established a good housekeeping system within the plant premises.*
- *There are two schools present adjacent to the project site namely SDDCL Public School (arial 20 m from plant boundary) and SDDCL Pre Primary &Primary School (arial 45 m from plant boundary). It was observed that although the said distances are from the project boundary, however, the distances of these schools are more than 450 m from the stag.*
- *A well established and advanced laboratory has been developed within the plant premises along with a proper indicative measures such as calibration, Testing of Materials, process monitoring, etc.*
- *It was observed that the value of PM10 and PM2.5 are higher, however, the PP ensure to develop a proposed green belt afresh as cited in recommendation below. Habitation around the Unit was observed, which were developed after the establishment of the proposed Unit.*
- *The green belt was not developed up to the required standard. The PP admitted this fact and ensured for the development of required green belt as desired by the Sub-Committee.*
- *It was observed that the ecological/environmental sensitivity of the Plant site/area need certain improvement as mentioned in the recommendation part.*

Recommendations of Sub-committee

- *Considering the fact regarding the existence of the two schools i.e., SDDCL Public School and SDDCL Pre Primary &Primary School at the distance of 20 meters and 45 meters, respectively, from the project boundary, but their distances are around 450 meters from the Stack. In this behalf, it is submitted that plant was established earlier than both schools. In view of the above, a dense vegetation/plantation must be developed around the schools.*
- *After due verification and detailed discussion, it is recommended that the PP shall provide a revised layout drawing, contour drawing with drainage disposal system with Designs and Calculations, and existing and proposed green belt with area calculations and evaluation of number of trees @2500 per Ha in the Plant and their proper placement.*
- *The PP shall prepare three different layout drawing with showing a smooth channelization of traffic inside the plant with proper indication of indexing in different colour codes in order to have these drawing self-explanatory.*



- *In order to improve PM10 & PM2.5 the PP shall provide a green belt plan along the periphery wherever it is possible and on open areas in the plant premises. Further, in addition to the 33% green belt area, the PP shall develop a strip of green-belt out-side the plant area.*
 - *During the operation phase, PP is advised to conduct air monitoring in the vicinity of adjoining schools and human habitations to assess environmental/ecological impact. The PP should implement a project specific AQMP (Air Quality Management Plan) with Best practices.*
 - *The PP should develop a control strategy and mitigation plan that incorporates the pollution control measures. The Clean Air practices shall be adopted like mechanical collectors, wet scrubbers, fabric filters (baghouses), electrostatic precipitators, etc.*
 - *The PP should monitor cement dust exposures in clinker, grinding and packing areas using personal and area air samplers and to compare the results of cement dust (8 hours' average exposures) with permissible limits based on free silica content of air borne respirable dust.*
 - *PP shall develop green belt around the school boundary/premises and shall provide basic facilities to the nearby School as part of Corporate Social Responsibility (CSR).*
 - *The PP shall comply with all the aforementioned recommendations and deliberations as mentioned in the MoM of the 24th EAC (Ind-1) meeting.*
 - *As per recommendations, the PP/Consultant has to submit a revised EIA/EMP Report along with all the details as per the provisions of the EIA Notification, 2006.*
- vii. Total land required for the project is 48.71 ha which is under the possession of the company and is industrial land. Proposed expansion will be done within the existing plant premises. No additional land shall be required for proposed expansion of project.
- viii. Sikka (10 m, East to North), Nimaz Colony (20 m, South west), Mungni village (750m, South) and GSECL (TPS) colony (400 m, South East) falls within 10 km radius study area of the project site. Also, there are two schools present adjacent to the project site namely SDDCL Public School (arial 20 m from plant boundary) and SDDCL Pre Primary &Primary School (arial 45 m from plant boundary). The sub-committee confirmed the distance of schools and also observed that their distances are around 450 meters from the Stack and plant was established earlier than both schools. The EAC is of the opinion that PP shall strictly implement the environmental safeguard measures to minimise the impact including dense vegetation/plantation around the schools.
- ix. A seasonal nala enters through the SSE direction into the plant boundary and exits in south western direction and covers a short distance of 375 m in the south side of plant area. Gulf of Kachchh is at a distance of 0.5 km in the NW direction. The EAC is of the opinion that as submitted 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.
- x. As reported, Marine National Park is at a distance of 3.48 km and its ESZ at a distance of 4.36 km. Also Marine Sanctuary is at a distance of 1.48 km from the project site. The certificate from the Competent Authority along with the authenticated map showing the distance of Marine National Park and its ESZ from the project site boundary from Deputy Conservator of Forest, Marine National Park, Jamnagar, Gujarat vide letter dated 10/10-11/2022 is submitted.



- xi. The Project Proponent has undertaken to adopt one village named “DIGVIJAYGRAM” for complete development under village adoption plan.
- xii. Two Schedule-I species namely Peafowl and Monitor Lizard were found within 10 km radius of the study area of the plant site during biological study. Wild Life Conservation Plan has been approved by the Chief Wildlife Warden Gujarat State, Gandhinagar vide letter no. WLP/32/C/T-1&2/5233-36/2022-23 on 06.03.2023.
- xiii. The existing water requirement of 240 m³/day after expansion is proposed to be obtained from ground water. The company is exploring the possibility of obtaining about 34 KLD of water from Sasoi and/ or Narmada River.
- xiv. Existing greenbelt has been developed in 2.58 ha area which is about 5.3% of the total project area of 48.71 ha with total sapling of 6400 trees. Proposed greenbelt will be developed in 13.61 ha which is about 27.9% of the total project area. Thus, total of 16.19 ha area (33.26% of total project area) will be developed as greenbelt with total 40,045 nos. of trees plantation. Total no. of 33645 saplings will be planted and nurtured in 13.61 ha in next monsoon. The committee deliberated on the revised greenbelt development plan and is of the opinion that gap filling shall be undertaken and greenbelt development shall be completed by 2023-24.
- xv. The EAC noted that Company had provided support to Forest & Environment Department, Government of Gujarat in the year 2005-05 to undertake mangrove plantation. The company has proposed measures and budget of Rs. 19 lakhs for conservation of mangroves as a part of the Wildlife Conservation Plan during the next three years.
- xvi. The Committee has found that the baseline data and incremental GLC due to the proposed project within NAAQ standards.
- 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 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.
- xix. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions and the revised EMP cost and found it satisfactory.
- xx. The EAC deliberated on response of PP to all the other issues raised in the earlier meeting along with the recommendations of sub-committee as per site visit report 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.



7. The EAC (Industry-1 Sector), in its **25th meeting held during 21st to 23rd March 2023**, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general conditions as detailed in the point below.

8. 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 Shree Digvijay Cement Company Ltd** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:

A. Specific conditions:

- (i) **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.**
- (ii) The PP shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- (iii) The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- (iv) Sikka (10 m, East to North), Nimaz Colony (20 m, South west), Mungni village (750m, South) and GSECL (TPS) colony (400 m, South East) falls within 10 km radius study area of the project site. Also, there are two schools present adjacent to the project site namely SDDCL Public School (arial 20 m from plant boundary) and SDDCL Pre Primary & Primary School (arial 45 m from plant boundary). Project Proponent shall implement appropriate environmental safeguard measures to minimise the impact including dense vegetation/plantation around the schools. The PP shall also include some of these locations in its environmental monitoring programme.
- (v) As committed, PP shall adopt village Digvijaygram and implement Village Adoption program consisting of need-based community development activities, to develop into model village.
- (vi) A seasonal nala enters through the SSE direction into the plant boundary and exits in south western direction and covers a short distance of 375 m in the south side of plant area. Gulf of Kachchh is at a distance of 0.5 km in the NW direction. The EAC is of the opinion that as submitted 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.
- (vii) The water requirement of 240 m³/day after expansion is proposed to be obtained from ground water. Necessary permissions shall be obtained from the Competent Authority in this regard. PP shall explore the possibility of shifting to alternate source of water to reduce dependency on groundwater.
- (viii) Three tier Green Belt shall be developed in atleast 33% of total project area by 2023-24 as per the submitted action plan with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Gap filling of existing



plantation shall be undertaken and 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 alongwith windshield inside the plant premises to act as green barrier for air pollution & noise levels towards nearby habitation and schools. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.

- (ix) Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
- (x) PP shall undertake conservation of mangroves as per the submitted action plan.
- (xi) 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. MSW waste shall be treated in digester and recovered gas shall be used in the canteen.
- (xii) The PP shall also undertake rain water harvesting measures as per the plan submitted in the EIA/EMP report and reduce water dependence from the outside source.
- (xiii) All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.
- (xiv) All internal and connecting road to the Highway shall be black topped/ concreted with suitable load in term of Million Standard Axle (MSA) as per IRC guidelines.
- (xv) Performance monitoring of pollution control equipment shall be taken up yearly and compliance status in this regard shall be reported to the concerned Regional Office of the MoEF&CC.
- (xvi) Dioxin and furans shall be monitored twice a year during co-processing of hazardous waste and report shall be submitted to the Regional Office of the MoEF&CC.
- (xvii) Particulate matter emissions from all the stacks shall be less than 30 mg/Nm³.
- (xviii) DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm³ by using best available technology.
- (xix) Petcoke dosing shall be controlled automatically to control SO₂ emission from chimney within the prescribed limits.
- (xx) PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
- (xxi) A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- (xxii) Action Plan for fire fighting system including provision for flame detectors, temperature actuated heat detectors with alarms, automatic sprinkler system, fixing the location of fire water tanks, separate power system for fire fighting, involvement of qualified and trained fire personnel, nearest fire station & time required to reach the proposed site shall be prepared and implemented.
- (xxiii) All the recommendations made in the risk assessment report shall be implemented and compliance status in this regard shall be furnished to the Regional Office of the MoEF&CC along with the six monthly compliance report.
- (xxiv) All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of



the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.

- (xxv) 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.
- (xxvi) 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.
- (xxvii) 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.

B. General conditions

I. Statutory compliance:

- i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and 10th May, 2016 (in case of Co-processing Cement); as amended from time to time; and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.



- iii. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120°each), covering upwind and downwind directions.
- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
- vii. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
- viii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- ix. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
- x. Provide wind shelter fence and chemical spraying on the raw material stock piles; and
- xi. Provide Low NOX burners as primary measures and SCR /NSCR technologies as secondary measure to control NOX emissions.
- xii. Have separate truck parking area and monitor vehicular emissions at regular interval.
- xiii. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport
- xiv. Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and 10th May, 2016 (in case of Co-processing Cement) as amended from time to time; and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall regularly monitor ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.



- iv. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
- v. Water meters shall be provided at the inlet to all unit processes in the cement plant.
- vi. The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

- i. Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

- i. Waste heat recovery system shall be provided for kiln and cooler.
- ii. The project proponent makes efforts to achieve power consumption less than 65 units/ton for Portland Pozzolona Cement (PPC) and 85 units/ton for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
- iii. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- iv. Provide the project proponent for LED lights in their offices and residential areas.

VI. Waste management

- i. Used refractories shall be recycled as far as possible.

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration by trees in the plant premises.
- ii. Project proponent shall submit a study report within six months on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
- iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management



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

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

- ix. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xi. The 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.

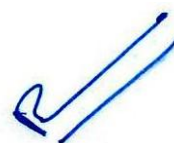
9. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above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

10. 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.

11. 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.

12. 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.

13. This issues with approval of the competent authority.



(Dr. R. B. Lal)
Scientist 'F'/Director
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Encl. as above at Annexure –I

Copy to: -

1. The Principal Secretary, Environment Department, Government of Gujarat, Sachivalaya, Gandhi Nagar - 382 010 (Gujarat).
2. The Principal Secretary, Forests Department, Government of Gujarat, Sachivalaya, 8th Floor, Gandhi Nagar - 382 010 (Gujarat).
3. The Principal Secretary, Wildlife Department, Government of Gujarat, Sachivalaya, Gandhi



Nagar - 382 010 (Gujarat).

4. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
5. The PCCF & HOFF, Gujarat State, Block A, 1st Floor, Aranya Bhavan, Opp, St. Xaviers School, Near Ch-3 Circle, Sector-10/A, Gandhinagar.
6. The Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Gandhi Nagar, A wing- 407 & 409, Aranya Bhawan, Near CH-3 Circle, Sector-10 A, Gandhi Nagar-382010.
7. The Member Secretary Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32.
8. The Member Secretary, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043 (Gujarat).
9. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001.
10. The Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
11. The Wildlife Division, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
12. The ESZ Division, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
13. The District Collector, Jamnagar, Gujarat.
14. Guard File/Monitoring File/Parivesh portal/Record File.



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

| | Physical activity and action plan | | Year of Implementation (Budget in Rs. Lakhs) | | | Total Budget (in Rs. Lakhs) |
|----------|---|--|---|--------------|--------------|--------------------------------|
| | | | Year 1 | Year 2 | Year 3 | |
| | Name of the Activity | Physical Target | | | | Total |
| 1 | Education | | 64.79 | 64.79 | 64.79 | 194.4 |
| 1.1 | School infrastructure development and additional support for needy children | Support to poor children (40 nos) of villages Sikka, Bhunga, Ramnagar & Mungani | 4.59 | 4.59 | 4.59 | 13.78 |
| | | Free computer training to students (20 nos.) of villages Sikka, Bhunga, Ramnagar & Mungani | 6.00 | 6.00 | 6.00 | 18.00 |
| | | Free Stitching classes to girl students (20 nos.) of villages Sikka, Bhunga, Ramnagar & Mungani | 6.00 | 6.00 | 6.00 | 18.00 |
| | | Support to school infrastructure needs | 18.20 | 18.20 | 18.20 | 54.60 |
| 1.2 | Promotion of girl education and higher studies | Monitory support for needy and from poor background girl children for education and higher studies. (15 nos.) of villages Sikka, Bhunga, Ramnagar & Mungani | 30.00 | 30.00 | 30.00 | 90.00 |
| 2 | Health Care | | 55.00 | 55.00 | 55.00 | 165.00 |
| 2.1 | Provision of Health care | Quarterly health checkup by a team of Doctor, Paramedical staffs, technicians with free distribution of medicines in villages Sikka, Bhunga, Ramnagar, Shree Jee Colony & Mungani in rotation | 20.00 | 20.00 | 20.00 | 60.00 |
| 2.2 | Awareness programmes on health issues | Health awareness programmes on water borne, vector borne, communicable diseases and other health related issues annually in villages Sikka, Bhunga, Ramnagar, Shree Jee Colony & Mungani in rotation | 12.50 | 12.50 | 12.50 | 37.50 |

| | Physical activity and action plan | | Year of Implementation (Budget in Rs. Lakhs) | | | Total Budget (in Rs. Lakhs) |
|----------|---|--|---|--------------|--------------|--------------------------------|
| | | | Year 1 | Year 2 | Year 3 | |
| | Name of the Activity | Physical Target | Year 1 | Year 2 | Year 3 | Total |
| 2.3 | Assistance to old age people / Persons with Disabilities | Necessary guidance to old age persons by CSR team to get maximum benefit from different Central/ State govt. schemes in PPP mode in villages Sikka, Bhunga, Ramnagar, Shree Jee Colony & Mungani in rotation | 12.50 | 12.50 | 12.50 | 37.50 |
| 2.4 | Animal Health Camp/ Veterinary Services | Doctor (01 nos.) on call will cater the needs of the surrounding population. | 10.00 | 10.00 | 10.00 | 30.00 |
| 3 | Pollution control | | 41.64 | 41.64 | 41.64 | 124.92 |
| 3.1 | Water sprinkling | On approach roads towards raw material gate | 6.00 | 6.00 | 6.00 | 18.00 |
| 3.2 | Concreting of roads | Captive jetty to plant and public road near "G"- Type | 25.00 | | | 25.00 |
| 3.2 | Concreting of roads | Road of Sikka to Digvijaygram | | 25.00 | | 25.00 |
| 3.2 | Concreting of roads | Road connecting Rokadia Hanuman Temple to Sikka | | | 25.00 | 25.00 |
| 3.4 | Collection and processing of Solid Waste from nearby villages | Collection system for plastic waste and consumption as alternate fuel (Collection Truck 1 nos. With Manpower). Installation of 25 nos, dustbins at public places of villages. | 10.64 | 10.64 | 10.64 | 31.92 |
| 4 | Livelihood Support | | 25.00 | 25.00 | 25.00 | 75.00 |
| 4.1 | Support to SHG | Providing skill development training and financial as well as other supports will be extended for promotion of livelihood programmes. A) Distribution of Sewing Machine to nearby community (10 nos.) B) Training and Education on Computer & Stitching classes for dependents and ladies (25 nos.) Target villages : Sikka, Ramnagar, Bhunga, | 25.00 | 25.00 | 25.00 | 75.00 |



| | Physical activity and action plan | | Year of Implementation (Budget in Rs. Lakhs) | | | Total Budget (in Rs. Lakhs) |
|----------|--|--|---|--------------|--------------|--------------------------------|
| | | | Year 1 | Year 2 | Year 3 | |
| | Name of the Activity | Physical Target | Year 1 | Year 2 | Year 3 | Total |
| | | Housing Board, Shree jee colony | | | | |
| 5 | Restoration of Sports and religious festivals | | 25.00 | 25.00 | 25.00 | 75.00 |
| 5.1 | Financial assistance for cultural programme | Financial assistance for different cultural programmes in periphery villages. | 18.00 | 18.00 | 18.00 | 54.00 |
| 5.2.1 | Sport activities | Promote sports activities in villages A) Creating sports ground at Kalyan Kendra, Digvijaygram. | 2.50 | 2.50 | | 5.00 |
| 5.2.2 | Sport activities | Promote sports activities in villages B) Development of cricket ground at DCC. | 4.50 | 4.50 | 3 | 12.00 |
| 5.2.3 | Sport activities | Promote sports activities in villages C) Volleyball ground at Kalyan Kendra, Digvijaygram. | | | 2 | 2.00 |
| 5.2.4 | Sport activities | Promote sports activities in villages D) Children play area, near Market area, Digvijaygram. | | | 2 | 2.00 |
| 6 | Roads | | 30.00 | 30.00 | 30.00 | 90.00 |
| 6.1 | Maintenance of road | Repairing and maintenance of road in villages of Sikka, Ramnagar, Bhunga, Housing Board & Mungani | 30.00 | 30.00 | 30.00 | 90.00 |
| 7 | Community infrastructure development | | 60.00 | 60 | 55 | 175.00 |
| 7.1 | Development of community Infrastructure | Different community infrastructure like Club, Kalyan mandap etc. in phase manner. (Year -1 Construction of cultural Mandap near Bhunga / Ramnagar village) | 30.00 | 30 | 30 | 90.00 |
| 7.2 | Development of Village infrastructure | A) Development of connection of water supply | 30.00 | | | 30.00 |



| | Physical activity and action plan | | Year of Implementation (Budget in Rs. Lakhs) | | | Total Budget (in Rs. Lakhs) |
|--|---|---|---|---------------|---------------|--------------------------------|
| | | | Year 1 | Year 2 | Year 3 | Total |
| | | (Near Bhunga/ Ramnagar). | | | | |
| | | B) Drinking water source near market area. | | 30 | | 30.00 |
| | | C) Water harvesting project, street lights, drainage system, temple etc. in villages of Sikka, Ramnagar, Bhunga, Housing Board & Mungani (Third Year) | | | 25.00 | 25.00 |
| 8 | Employment | | 25.00 | 25.00 | 25.00 | 75.00 |
| 8.1 | Local employment | Skill enhancement programs for workers in villages of Sikka, Bhunga, Mungani, to support local employment based on their skill, capability, qualification, experience etc. at the time of employment. | 25 | 25 | 25 | 75.00 |
| 9 | Plantation | | 2.50 | 5.00 | 5.00 | 76.25 |
| 9.1 | Development of Mangrooves at Jetty area | Mangrove plantation as part of plantation drive nearer colony (25 ha) | 2.5 | 5 | 5 | 12.50 |
| | | Mangrove plantation around Jetty (7.5 ha) | 1.25 | 1.25 | 1.25 | 3.75 |
| 9.2 | Plantation in nearby villages | Plantation of native trees in Sikka, Ramnagar, Bhunga villages | 20 | 20 | 20 | 60.00 |
| | GRAND TOTAL | | 328.93 | 331.43 | 326.43 | 1,050.55 |
| Note: The PP will adopt one village named "DIGVIJAYGRAM" for complete development under village adoption plan. | | | | | | |
