Ambuja

REGD. A/D

ACL/EMD/F-16/2021/24/7

06.11.2021

The Director,

Ministry of Environment, Forest and Climate Change (MoEF&CC), Regional Office, Western Region, "Kendriya Paryavaran Bhavan" Link Road No.3, Ravi Shankar Nagar, Bhopal - 462016 (M.P.)

Sub.: Six Monthly Compliance Status Report of Environmental Clearance of Vadnagar Limestone Mines (S.No.44)

Ref.: Environmental Clearance Order No. J-11015/336/2007-IA-II (M) dated 14.01.09

Sir,

We are pleased to submit herewith half yearly compliance status report (i.e. for the period of (April'2021 to September'2021) of Environmental Clearance Order No. J-11015/336/2007-IA-II(M) granted by MoEF&CC to Vadnagar Limestone Mining Project (S.No.44) of Ambuja Cements Ltd., located at village - Vadnagar, Taluka - Kodinar, District - Gir Somnath (Gujarat).

Thanking you,

Yours faithfully, For Ambuja Cements Ltd.

P Devendra Singh Chauhan Head-Environment

Encl.: As above.

Copy to:

- The Central Pollution Control Board (CPCB), Privesh Bhavan, Atmajyoti Ashram 1) Rd, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara – 390023 (Gujarat).
- The Member Secretary, Gujarat Pollution Control Board (GPCB), Paryavaran 2) Bhavan, Sector-10-A, Gandhinagar-382010.
- The Regional Officer, Gujarat Pollution Control Board (GPCB), Opp. Saint Anne's 3) Church Station Road, Junagadh.

Regd. Office:

PO: Ambujanagar - 362 715, Tal: Kodinar, Dist. : Gir Somnath (Gujarat) Phone: (02795) 221137, 232009,

Fax: (02795) 220328

Ambuja Cements Limited (Unit : Ambujanagar)

CIN No.: L26942GJ1981PLC004717 www.ambujacement.com

Corporate Office: Elegant Business Park, MIDC Cross Road 'B' Off Andheri - Kurla Road, Andheri (E) Mumbai - 400 059. Phone : (022) 4066700

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

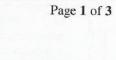
Ministry of Environment, Forest and Climate Change
Regional Office (W), Bhopal

Monitoring Report

Part-I

DATA SHEET

| - | | AIA | SUCCI |
|-----|--|-----|--|
| 01 | Project type | : | The state of the s |
| 02 | Name of the project | 1 | Vadnagar Limestone Mining Project (S.No 44 Lease) |
| 03 | Clearance letter(s) / OM no. and date | 1 | J-11015/336/2007.1A.II (M), Dated 14.01.2009 |
| 04 | Location | : | |
| | a) District(s) | : | Gir Somnath |
| | b) State(s) | : | Gujarat |
| | c) Latitude | : | |
| | d) Longitude | : | 70° 42′ 08″ - 70° 42′ 56″E |
| 05 | Address for correspondence | : | |
| | a) Address of concerned Project Chief Engineer (with pincode & telephone / telex / fax numbers). | | Sh. Anupam Agrawal Manufacturing Cluster Head (W&S) Ambuja Cements Ltd. PO Ambujanagar, Taluka: Kodinar, Pin- 362715 District: Gir Somnath (Gujarat). Tel: 02795-221137/232009/237403 Fax: 02795-220328/232032 |
| E E | b) Address of Executive Project Engineer / Manager (with pincode / fax numbers. | | Sh. Amol Dhomne Mines Manager Ambuja Cements Ltd PO Ambujanagar-362715 Taluka Kodinar, District: Gir Somnath (Gujarat). Tel: 02795-232064 |
| 06 | Salient features | 1: | 16. 02/95-232004 |
| | a) of the project | : | Vadnagar Limestone Mining Lease (Survey No. 44) is located at a distance of about 4 Kms from the Cement Plants at Ambujanagar. |
| | b) of the environmental management plans | | Mining operations does not involve drilling a blasting. Limestone excavation is being carrie out by Surface Miner supported by rippedozer. Regular monitoring of Environmental parameters is being undertaken as per the norms of MoEF and IBM. Preventive maintenance of deployed HEMM is undertaken regularly. Dust suppression by water sprinkling on hauroads and in working area by water tanker. Afforestation / Green belt development along haul road and lease periphery is being carried out. Mined-out areas is being converted to pasture land, plantation and water reservoir as perapproved mining plan. Rural Development and Socio-economic activities is being undertaken in the project buffer zone area. |
| _ | Breakup of the project area. | | ** EVIIC GICG. |
| _ | Submergence area (forest & non-forest) | : 1 | Nil |
| 1 | b) Others | 1:1 | 108.97 ha (Government Waste Land) |







| Br | eak up of the project affe | ected pop | ulation | : | | | | | | | |
|-----------|--|--|--|--|--|-----------------------------|-----------------------|---------------------------------|-----------------------------|----------------------------|---|
| | ith enumeration of those | | | | | | | | | | |
| | welling units only agricultura | | | | | | | | | | |
| | welling units & agricultural | | | | | | | | | | |
| 1 | bourers / artisan. | | | | | | | | | | - |
| | SC, ST / Adivasis | | | : | Not applicable | | | | | | |
| b) | Others (Please indicate | whether | these | | Not applicable | 2 | | | | | |
| D | figures are based on ar | | | | | | | | | | |
| | systematic survey carrie | | | | | | | | | | |
| | provisional figures if a sur | | | | | | | | | | |
| | give details & year of surve | | ica ouc | | | | | | | | |
| | | cy) | | | Limestone rais | ed fr | om th | ne mini | ng le | ase are | ea wi |
| | ancial details | | d and | | partially supple | ement | the | require | ment | s of e | xistin |
| | oject cost as originally | | | | cement units. | Ac it i | | ntive m | ine fo | r the (| emen |
| | osequent revised estimates | and the | year or | | Plant, no separ | | | | | | |
| pri | ce reference. | | | | Plant, no separ | | | | | срагсс | |
| a | | 100000000000000000000000000000000000000 | mental | : | | | | vestme | | wa for | |
| | management plans with | h item w | ise and | | Details of capit | al and | Recur | ring exp | enarti | ire joi | 1 |
| | year wise break-up. | | | | environmental | prote | ction | neasures | s are e | nciosec | ias |
| | | | | | under | | | | | | |
| Evend | enditure incurred in Environment Manageme | ent Plan | AT IT | -7.10 | Amibuja Cen | nent Foundat | lon - Ambuja | nagar | - Addis - 12- | | |
| Expe | Vadnagar (S.No44) Mines | | | | Details for programme wise | espenditure : | for the year A | pril 2021 to Sept | .2021 | | |
| Car | oital Invessment for Environmental Monitoring: | | | | | | *Funds | | | ****Direct | (Es. in lakhs) |
| S.No | Particulars | Cook fla tore | ato Programme | | | ACT ACL | received | ** Funds teem other Dences / | ***People's Contribution | funding to | Total Exp. |
| 1 | Monitoring Equipments | 37.08 | are in regionalis | | | | through Emeirement | Donor Agenties | CONCINCIPAL | Communities | |
| 2 | Environment Laboratory | 10 | GUJARAT - Koo | | ment & Drinking Water Projects | | | | | | |
| 3 | Others (Monitoring Van, DG Sets etc. | 57.08 | a Water Res | urce Dev | /logment | 469 | 3.03 | - | 1.00 | 150.49 | 4.69 166.73 |
| Ran | Total (In Lacs INR) urring Expenditure for the period of April 2021 to Septe | mher/2021 | B . Exercising V Agriculture De | later Pre ratoprear | gramme of Originization, Farm Forestry & | 7.03 | 2.84 | 6.65 | 54.68 | 53.20 | 121.56 |
| S.No | Particulars | Cost (In Lacs) | Afficeration) | | | 7.63 | 101 | 123.85 | 28.24 | 35.02 | 195,80 |
| 1 | Green belt development & Dust suppression | 200 11 | 8 901 4 Krishi Vigyan Kendra (KVK) - Apriculture 1.02 69.23 - | | | | - | 70.25 | | | |
| 2 | Manpower Cost * | - | Health & Santation | | | | | * | 47.29 9.63 | | |
| 3 | Other Env. Protection (Environmental Monitoring) | | 7 Women / Yout | h pevelo | | 2.71 | 14,76 | 3.12 | 12.52 | | 54.47 |
| 4 | | | | | | | | | About | - | 121.73 |
| 5 | Emironment Awareness * | 0.75 | | | p Development Programme Development Programme | 17.62 94.56 | | 29.77 | | - | |
| | | 0.75 34.92 | 9 Integrated Cor 10 Co-ordination | emonity & Admin | Development Programme | 91.90 | | 29.77 | | - | 0.00 |
| 5 | Environment Awareness * | 0.75 34.92 | 9 Integrated Cor | emonity & Admin | Development Programme | | | 29.77 | 1 | - | 0.00 |
| 5 * Ex | Emironment Awareness * Total (in Lacs INR) penditures are Common for All the Plants & Mines. | 0.75 | Integrated Cor Co-ordination Capital Expens TOTAL | emonity & Admin | Development Programme stration Expenses | 140,00 | 97.84 | 158.62 | 130,64 | 248.71 | 0.00 0.00 785.81 |
| 5 * Ex | Emironment Awareness * Total (in Lacs INR) penditures are Common for All the Plants & Mines. b) Benefit cost ratio / Inter | 0.75 34.92 rnal rate o | Integrated Cor Co-ordination Capital Expens TOTAL | emonity & Admin | Development Programme stration Expendes | 94.50 - 140.00 | 97.84 ment r | 158.62 made, as | 130.64 s it is a | 248,71 In integ | 0.00 0.00 785.81 gral pa |
| 5 * Ex | Emironment Awareness * Total (in Lacs INR) penditures are Common for All the Plants & Mines. | 0.75 34.92 rnal rate o | Integrated Cor Co-ordination Capital Expens TOTAL | emonity & Admin | No separate a | 140.00 140.00 issessi | 97.84 ment r | 158.62 made, as | 130.64 s it is a | 248,71 In integ | 0.00 0.00 785.81 gral pa |
| 5 * Ex | penditures are Common for All the Plants & Mines. D) Benefit cost ratio / Interand the year of assessm | 0.75 34.92 rnal rate of | 9 Integrated for 10 Co-ordination 11 Capital Expension 1614L | smootly & Admin stude | No separate a of the raw ma | 140.00 140.00 issessi | 97.84 ment r | 158.62 made, as | 130.64 s it is a | 248,71 In integ | 0.00 0.00 785.81 gral pa |
| * Ex | Emironment Awareness * Total (in Lacs INR) penditures are Common for All the Plants & Mines. D) Benefit cost ratio / Interand the year of assessm c) Whether (c) include | o.75 34.92 rnal rate or ent. | 5 Integrated for to sefund a part of the p | musity & Administrate | No separate a of the raw ma | 140.00 140.00 issessi | 97.84 ment r | 158.62 made, as | 130.64 s it is a | 248,71 In integ | 0.00 0.00 785.81 gral pa |
| * Ex | penditures are Common for All the Plants & Mines Denotit | o.75 34.92 rnal rate or ent. | 5 Integrated for to sefund a part of the p | musity & Administrate | No separate a of the raw ma | 140.00 140.00 issessi | 97.84 ment r | 158.62 made, as | 130.64 s it is a | 248,71 In integ | 0.00 0.00 785.81 gral pa |
| * EX | penditures are Common for All the Plants & Mines. D) Benefit cost ratio / Interand the year of assessm E) Whether (c) include environmental manager the above. | rnal rate of the control of the cont | 9 http://dec. | S Administure | No separate a of the raw ma Ambujanagar | 140.00 140.00 issessi | 97.84 ment r | 158.62 made, as | 130.64 s it is a | 248,71 In integ | 0.00 0.00 785.81 gral pa |
| * Ex | penditures are Common for All the Plants & Mines. D) Benefit cost ratio / Interand the year of assessm E) Whether (c) include environmental manager the above. d) Actual expenditure incurs | rnal rate of the control of the cont | 9 http://dec. | S Administure | No separate a of the raw ma Ambujanagar | 140.00 140.00 issessi | 97.84 ment r | 158.62 made, as | 130.64 s it is a | 248,71 In integ | 0.00 0.00 785.81 gral pa |
| 5 * Exp | penditures are Common for All the Plants & Mines. D) Benefit cost ratio / Interand the year of assessm E) Whether (c) include environmental manager the above. d) Actual expenditure incurs so far. | rnal rate of the comment as s | 5 Integrated for 20 Co-sensation 10 Copy of Experimental Total Tot | second by S. Administrate States | No separate a of the raw ma Ambujanagar Yes | 140.00 140.00 issessi | 97.84 ment r | 158.62 made, as | 130.64 s it is a | 248,71 In integ | 0.00 0.00 785.81 gral pa |
| 5 * Exp | penditures are Common for All the Plants & Mines. D) Benefit cost ratio / Interand the year of assessm E) Whether (c) include environmental manager the above. d) Actual expenditure incurs so far. e) Actual expenditure is | rnal rate orient. | 5 historied for 20 to estantion 10 to estantion 1 to rapid piper. Total piper 1 total piper. Total piper. Total piper. Total piper. Total or return Total | second by S. Administrate States | No separate a of the raw ma Ambujanagar Yes | 140.00 140.00 issessi | 97.84 ment r | 158.62 made, as | 130.64 s it is a | 248,71 In integ | 0.00 0.00 785.81 gral pa |
| 5 * EX | penditures are Common for All the Plants & Mines. D) Benefit cost ratio / Interand the year of assessm E) Whether (c) include environmental manager the above. d) Actual expenditure incurs so far. | rnal rate orient. | 5 historied for 20 to estantion 10 to estantion 1 to rapid piper. Total piper 1 total piper. Total piper. Total piper. Total piper. Total or return Total | second by S. Administrate States | No separate a of the raw ma Ambujanagar Yes | 140.00 140.00 issessi | 97.84 ment r | 158.62 made, as | 130.64 s it is a | 248,71 In integ | 0.00 0.00 785.81 gral pa |
| * EX | penditures are Common for All the Plants & Mines. D) Benefit cost ratio / Interand the year of assessm E) Whether (c) include environmental manager the above. d) Actual expenditure incurs so far. e) Actual expenditure is environmental manager. | rnal rate orient. | 5 historied for 20 to estantion 10 to estantion 1 to rapid piper. Total piper 1 total piper. Total piper. Total piper. Total piper. Total or return Total | second by S. Administrate States | No separate a of the raw ma Ambujanagar Yes 5.0 Cr. 8.23 Cr. | 149.09 149.09 | 97.84 ment r | 154.62 made, ase for the | 130.54 s it is a | 249.71 an integent plan | 0.00 0.00 785.81 gral pa nts at |
| 5 * EX | penditures are Common for All the Plants & Mines. D) Benefit cost ratio / Interand the year of assessm E) Whether (c) include environmental manager the above. d) Actual expenditure incurs so far. e) Actual expenditure is environmental manager. E) Actual expenditure is environmental manager. | rnal rate of the comment as some on the comment plans | s historied for 20 to sensitive 20 to sensitiv | omunity (| No separate a of the raw ma Ambujanagar Yes 5.0 Cr. 8.23 Cr. | 149.09 149.09 | 97.84 ment r | 154.62 made, ase for the | 130.54 s it is a | 249.71 an integent plan | 0.00 0.00 785.81 gral pa nts at |
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| 5 | penditures are Common for All the Plants & Mines. D) Benefit cost ratio / Interand the year of assessm E) Whether (c) include environmental manager the above. d) Actual expenditure incurs so far. e) Actual expenditure is environmental manager. Forest land requirement. a) The status of approvations forest land for non-forest. | rnal rate of the comment as somethincurred ment plans | s historied for 20 to estimate a 20 to e | omunity (| No separate a of the raw ma Ambujanagar Yes 5.0 Cr. 8.23 Cr. The project land. | ussessi aterial | 97.84 ment r | 154.62 made, ase for the | 130.54 s it is a | 249.71 an integent plan | 0.00 0.00 785.81 gral pa nts at |
| 5 | penditures are Common for All the Plants & Mines. D) Benefit cost ratio / Interand the year of assessm E) Whether (c) include environmental manager the above. d) Actual expenditure incurs so far. e) Actual expenditure is environmental manager than the properties of the status of approvation of the status of clearing fell. The status of clearing fell. | rnal rate of the comment as some on the comment plans all for divergestry use | s his project of the control of the | emost ty is a definition of the second secon | No separate a of the raw ma Ambujanagar Yes 5.0 Cr. 8.23 Cr. The project land. Not applicabl | 18000 sssessi | 97.84 ment r | 154.62 made, ase for the | 130.54 s it is a | 249.71 an integent plan | 0.00 0.00 785.81 gral pa nts at |
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| 5 | penditures are Common for All the Plants & Mines. D) Benefit cost ratio / Interand the year of assessm E) Whether (c) include environmental manager the above. d) Actual expenditure incurs so far. e) Actual expenditure is environmental manager the above. d) The status of approvation for status of compensation of compensatory d) Comments on the viability of compensatory | rnal rate of the comment as some of the comment as some of the comment plans. If or diverse of the comment plans incurred ment plans to ry affor the comment of the comment of the comment plans incurred ment plans incurred men | s his project to the first to t | emostly S. Adman | No separate a of the raw ma Ambujanagar Yes 5.0 Cr. 8.23 Cr. The project land. Not applicabl | area e.e.e. | 97.84 ment r | 154.62 made, ase for the | 130.54 s it is a | 249.71 an integent plan | 0.00 0.00 785.81 gral pa nts at |
| 5 * EX | penditures are Common for All the Plants & Mines. D) Benefit cost ratio / Interand the year of assessm E) Whether (c) include environmental manager the above. d) Actual expenditure incurs so far. e) Actual expenditure is environmental manager the above. d) The status of approvation for status of clearing fellor. The status of compensation is any d) Comments on the viability. | rnal rate of the comment as some of the comment plans all for diversely use ling tory affor the comment of action and the comment of actions and the comment of actions are comment of actions and the comment of actions are comment of actions and the comment of actions are comment of actions and the comment of actions are | s his project to the first to t | emostly S. Adman | No separate a of the raw ma Ambujanagar Yes 5.0 Cr. 8.23 Cr. The project land. Not applicabl | area e.e.e. | ment r source | 154.62 made, ase for the | is it is a see ceme | 249.71 an integent plan | 0.00 0.00 785.81 gral pa nts at |

| 11 | The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information. | : | The project does not involve felling of trees. |
|----|---|---|--|
| 12 | Status of construction | : | |
| | a) Date of commencement (Actual and / or planned) | | Existing project. |
| | b) Date of completion (Actual and / or planned). | : | Not applicable. |
| 13 | Reasons for the delay if the project is yet to start. | : | Not applicable. |
| 14 | Dates of site visits | : | |
| | The dates on which the project was monitored by the Regional Office on previous occasions, if any. | : | 12.10.2010 to 13.10.2010 by Dr. A. Mehrotra Regional Office, MOEF&CC, Bhopal |
| | Date of site visit for this monitoring report | : | 12.10.2010 to 13.10.2010 |
| 15 | Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits). | | Half yearly compliance status report is being regularly submitted and last submission was on 17.05.2021 vide letter no. ACL/EMD/F-16/2021/2348/88960 |

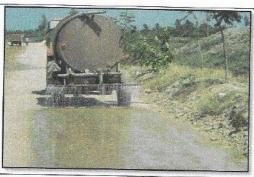


| SNo. | Condition | | | | Co | ompliance 9 | Status | |
|------|--|---|---|----------------------------------|--|--|---|--|
| (A). | Specific Conditions : | | | | | | | |
| 1 | The project proponent shall obtain fresh (Establish from the Gujarat Pollution Control capacity of 1.5 million TPA of limestone and 1.15 of marl and effectively implement all the stipulated therein. | Board f million Ti conditio | or • PA ns | Fr Gt GF 01 | omplied. esh Consent to Jjarat Pollutio PCB/ID-29258/0 .08.2012. | on Control CCA/JNG-54 | Board vide 7/20162 | e letter i dat |
| " | The project proponent shall not carry out p groundwater. | umping | of • | No | pumping of g | ground wat | er is being ta | ken place |
| n | The project proponent shall practice suitable harvesting measures on long term basis and with detailed scheme for rainwater harvesting in continuous with the Central Ground water Authority and subsoft the same to the Ministry of Environment and Fits Regional Office, Bhopal. | work out onsultation omit a cop Forests ar | a on py nd | Ar AC in An | ater conserva ater resources nbuja Cement F & communi surrounding nexure -1 | s in the ar Foundation ty developr | rea are beir n (ACF). A r ment work c | ng done eport abo lone by A |
| | Ambuja Cem | ent Found | ation - A | Ambuja | anagar | HE COMM | | |
| | Details for programme wise e | xpenditure | for the | vear A | April 2021 to Sent | 7021 | | |
| | | | | | | | | |
| Sr.N | Io Programme GUJARAT - Kodinar | ACF - ACL | rece | inds ived augh ament | ** Funds from other Donors / Donor Agencies | ***People's Contribution | ****Direct Funding to Communities | (Rs. in lakh Total Exp. |
| 1 | The state of the s | | | | | | | - |
| - | a. Water Resource Devlopment | 4.69 | | | Self- | | - | 4.6 |
| | B .Drinking Water Programme Agriculture Development(Drip Irrigation, Farm Forestry & | 2,40 | 2.1 | 34 | | 1.00 | 160.49 | 166.7 |
| 3 | Afforesation) | 7.03 | - | - | 6.65 | 54.68 | 53.20 | 121.5 |
| 4 | | 7.68 | 1.0 | - | 123.95 | 28.24 | 35.02 | 195.8 |
| 5 | ar in the last of | 4.86 | 69. | | | - | - | |
| 6 | | 0.63 | - | | 8.23 | 34.20 | - | 47.2 |
| 7 | The state of the s | 2.71 | - | | | - | | 0.6 |
| 8 | The state of the s | 17.02 | 24. | - | 0.12 | 12.52 | _ | 2.7 |
| 9 | a contract of the property programme | 91.96 | - | | 29.77 | | _ | 54.4 121.7 |
| 11 | | | - | | | | - | 0.0 |
| | TOTAL | 140.00 | 97. | _ | - | | 44 | 0.0 |
| V | 7 | | | 0.4 | 168.62 | 130.64 | 248.71 | 785.8 |
| | The project proponent shall effectively implementations made by the Chief Wildlife Warden at Chief Conservator of Forests, Gandhinagar vide No.WLP/301/32/A/3097-98/2007-08 dated restraining use of explosives, maintenance environment (air, water and land) and regular spin mining area and on transport road to keep under control and provision of a green belt of 2 the mine area. | e their let 17.03.20 of clorary of wa air pollut | ipal iter 008 ean iter | n e R d s f f | explosive is not in a print of the control of the c | tion. Minin iendly surfa enance of mines envir vater is be g in mines elt developr | g is being ace mining to mining are onment clear and or area and or | done dechnologia is being the dechnologia is b |
| V | | | | | an ongoing pr | | | |
| v | The project proponent shall ensure that | no natu | ıral | P | oint noted & C | Complied. | | |
| | watercourse and/or water resources shall be obs | structed o | lue | . 1 | At no stage of | mining na | tural water | COURSE W |
| | to any mining operations. | | | b | e obstructed l | hy mining a | ctivity | course w |
| / | Top soil, if any, shall be concurrently used | d for m | ine • | A | s this is rene | wed lease | no top s | oil will b |
| | reclamation, plantation and green belt developm | | g b | enerated durit e used for mir | ng mining ones reclama | operation. If | anv. sha | |
| TI I | Catch drains and siltation ponds of appropriate be constructed for the working pit to arrest flow sediment directly into the rivers and other water water so collected should be utilized for watering area, roads, green belt development etc. The draw be regularly desilted particularly after the momaintained properly. Garland drain (size, grangth) shall be constructed for the mine pit to proper the constructed for th | nd The ine uld nd | generated during mining operation. If a be used for mines reclamation and plar green belt development. To collect surface run-off and arrest sediment flow from the soil & minera drain along with settling pond is cor along the toe of the stacks, ultimate water is being collected into mined out drains are properly maintained and water is utilized for watering the mine as roads, green belt development etc. | | | | | |





| viii | designed sudden in discharge should a proper s construc at regula The void in to w void/min stabilize made ge | keeping 50% safety is rainfall (based on 50 e in the area adjoining also provide adequate ettling of silt material ted at the corners of the intervals. Intervals. Intervals in an area water body. The highing pit shall be terrathe slopes. The slopentler for easy accessibedy. Peripheral fencing | I sump capacity sho margin over and abov years data) and ma the mine site. Sump c e retention period to . Sedimentation pits s ne garland drains and c of 56.0 ha shall be con ther benches of exc ced and plantation d e of higher benches s fility by local people to shall be carried out also | e peak eximum apacity of allow shall be desilted exerted exert | al Open mine area is higher benches plan pe of higher benchey accessibility by local be converted into with a percapated area. Il, 7931 meter barbathen bunds fencing by the bunds fencing by the bands fencing by the bunds fencing by the bands fencing by the bands fencing by the bands fencing by the bands fencing by the bunds fencing by the bands fencing by the bands fencing by the bunds fencing by the bands fencing by the band | tation has been do es are made gent al people. Mined or vater body. In bella stone is pr Total 11609 mete ed wire and 7971 | der for ut area ovided r brick |
|------|--|---|---|--|--|--|---|
| IX | benches | on of the retaining wa within the mine to be based on the rain fal | all at the toe of over check run-off and s | burden • No | overburden benches | s. Hence not applica | able. |
| X | Plantatic 7.5m wi reclaime etc. and planting DFO/Agr | on shall be raised in a de statutory barrier d and rehabilitated are I in an area of 3.7 ha the native species in | n area of 54.5 ha incl all around the mining eas, around water bod a. Outside the mine lo consultation with the The density of the | g lease, und y, roads De ease by (a) | September 2021, 10 der plantation and tails of greenbelt/red & (b) | green belt develo | pment. |
| (a) | snould b | se around 1500 trees pe | Greenbelt & Planta | | | | |
| | | Total Lease Area (in ha) 108.97 | Opened up Area (in ha) 88.4668 | Planted Area (in Ha) 10.1633 | Pasture land (in Ha) 12.1889 | Water Body (in Ha) 35.2293 | |
| (b) | | | | | | | |
| ΧI | sprinklii | ng shall be carried out | es such as regular in critical areas prone els of SPM and RSPM s | to air bein | ironment friendly S ag used for mining. vided with inbuilt fac press dust. | Surface miner ha | as bee |



 Ambient Air Quality at identified locations is being carried out regularly. AAQ monitoring report is enclosed as under (b).

| DATE OF THE PARTY | DOMESTIC STREET | | - | | | | | C | iciosec | as unc | ier (D). | | | | |
|---|----------------------------------|---------------------|-----------|----------|--------------|-----------|----------------|-------------|-----------|--|----------|--|-----------|-------------|-------|
| | | | Aver | age Ambi | ent Air Qu | ality Mon | itoring Re | tults April | 2021 to 5 | eptembe | - 2021 | | | ALC: COLUMN | |
| Month | | | tern Boun | dary | | | D- | Block Crus | her | | | No | rth Bound | | |
| Acceptance of the second | PM2.5 | PM10 | 302 | NOx | co | PM2.5 | PM10 | SO2 | Nox | co | PM2.5 | PM10 | SO2 | NOx | co |
| 4 24 | (µg/m3) | (µg/m3) | (µg/m3) | [µg/m3] | (mg/m3) | (µg/m3) | (µg/m3) | (µg/m3) | (µg/m3) | (mg/m3) | (µg/m3) | (µg/m3) | (µg/m3) | (µg/m3) | - |
| Apr-21 | 29.3 | 45.2 | 9.9 | 11.2 | BDL | 28.6 | 52.3 | 10.1 | 14.7 | BDL | 31.2 | 47.5 | 10.7 | 14.5 | (mg/m |
| 14 01 | 30.2 | 51.4 | 12.5 | 13.3 | BDL | 30.4 | 49.5 | 11.1 | 13.2 | BDL | 27.1 | 50.4 | 12.5 | | BDL |
| May-21 | 29.4 | 50.5 | 12.5 | 15.3 | BDL | 30.7 | 51.4 | 11.7 | 15.1 | BDL | 28.6 | 48.2 | 12.2 | 15.4 | BDL |
| | 30.2 | 46.6 | 11.5 | 13.4 | BDL | 31.5 | 50.4 | 12.4 | 14.5 | BDL | 29.8 | 45.3 | 9.8 | 15.7 | BDL |
| Jun-21 | 28.7 | 51.2 | 10.8 | 14.4 | BDL | 29.8 | 50.3 | 12.4 | 15.5 | BDL | 27.9 | 49.7 | 11.7 | 17.1 | BDL |
| | 31.2 | 47.5 | 10.7 | 14.5 | BDL | 30.4 | 49.5 | 11.4 | 15.1 | BDL | 32.1 | 51.2 | - | 16.6 | BDL |
| Jul-21 | 27.1 | 50.4 | 12.5 | 15.4 | BDL | 26.4 | 51.3 | 11.8 | 13.6 | BDL | 25.3 | 48.6 | 12.1 | 16.2 | BDL |
| | 27.5 | 49.6 | 12.9 | 13.8 | BDL | 26.5 | 47.3 | 13.2 | 14.2 | BDL | 29.1 | 48.1 | 77000 | 12.7 | BDL |
| Aug-21 | 28.5 | 50.3 | 10.8 | 14.4 | BDL | 27.2 | 51.2 | 11.4 | 15.2 | BDL | 26.4 | - | 12.8 | 12.6 | BDL |
| | 25.4 | 46.9 | 11.6 | 14.6 | BDL | 23.9 | 45.2 | 12.3 | 13.9 | BDL | 28.3 | 49.3 | 12.6 | 16.6 | BDL |
| Sep-21 | 30.2 | 46.8 | 12.3 | 12.5 | BDL | 28.9 | 50.8 | 14.2 | 13.6 | BDL | | 48.7 | 13.0 | 12.7 | BDL |
| | 25.7 | 45.9 | 13.2 | 15.1 | BDL | 26.9 | 43.8 | 11.6 | 12.9 | BDL | 29.5 | 47.9 | 11.8 | 15.7 | BDL |
| Month | | West | ern Boun | dary | ST (1) (1) | | | sipara Vill | | BUL | 27.6 | 42.0 | 12.7 | 13.7 | BDL |
| MONEIL | PM2.5 PM10 SO2 NOX CO PM2.5 PM10 | | | SO2 | NOx | | PM2.5 PM10 SO2 | | | The state of the s | | | | | |
| Apr-21 | 28.2 | 51.4 | 10.6 | 12.7 | BDL | 27.3 | 46.7 | 11.2 | 17.1 | co | | The state of the s | 502 | NOx | co |
| | 25.7 | 46.0 | 11.6 | 12.5 | BDL | 26.2 | 48.2 | 9.7 | 75 | BDL | 29.2 | 50.6 | 12.5 | 15.8 | BDL |
| May-21 | 31.3 | 52.1 | 11.4 | 14.2 | BDL | 29.3 | 48.6 | | 15.8 | BDL | 27.1 | 51.6 | 11.4 | 17.2 | BDL |
| | 31.7 | 48.7 | 12.7 | 15.6 | BDL | 27.3 | 46.5 | 10.7 | 16.5 | BDL | 32.1 | 51.3 | 13.4 | 17.6 | BDL |
| Jun-21 | 30.2 | 51.4 | 12.5 | 13.3 | BDL | 28.2 | 7777 | 10.5 | 16.2 | BDL | 28.4 | 50.6 | 11.8 | 16.9 | BDL |
| 100 | 26.3 | 49.1 | 11.7 | 14.2 | BDL | 28.1 | 49.7 47.1 | 11.6 | 12.7 | BDL | 31.7 | 50.1 | 12.2 | 15.8 | BDL |
| Jul-21 | 27.4 | 47.2 | 12.7 | 11.6 | BDL | 26.2 | | 10.3 | 15.4 | BDL | 29.4 | 48.6 | 12.8 | 16.7 | BDL |
| | 28.6 | 46.9 | 11.6 | 13.9 | BDL | 25.9 | 46.2 | 13.0 | 14.2 | BDL | 23.5 | 49.5 | 12.4 | 13.1 | BDL |
| Aug-21 | 29.2 | 48.8 | 11.7 | 13.3 | BDL | 28.2 | 42.7 | 12.5 | 12.7 | BDL | 27.4 | 45.2 | 11.4 | 15.3 | BDL |
| Annual Control | 24.5 | 47.3 | 12.2 | 13.6 | BDL | 25.7 | 51.4 | 10.6 | 12.7 | BDL | 27.4 | 49.0 | 12.5 | 15.8 | BDL |
| Sep-21 | 27.2 | 51.2 | 10.6 | 17.3 | BDL | | 46.0 | 11.6 | 12.6 | BDL | 28.7 | 49.2 | 10,7 | 11.8 | BDL |
| | 29.8 | 45.9 | 10.3 | 16.4 | BDL | 29.1 | 53.1 | 12.5 | 15.2 | BDL | 26.7 | 48.3 | 13.4 | 16.1 | BDL |
| CONTRACTOR OF STREET | No will reside the later to the | House Annual Nation | 46.3 | 10,4 | BUL | 26.7 | 47.3 | 12.8 | 14.2 | BDL | 27.1 | 50.3 | 13.1 | 12.8 | BDL |

xii The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.

Rainwater harvesting measures to augment ground water resources in the area has been done by Ambuja Cement Foundation (ACF). Details of water harvesting work & community development work done by ACF in surrounding area is enclosed as under

| | Ambuja Ce Details for programme wisa | | ation - Ambuja for the year A | | t. 2021 | | |
|-------|---|-----------|----------------------------------|---|-----------------------------|-----------------------------------|---------------|
| 5r.No | Programme | ACF - ACL | *Funds received through | ** Funds from other Donors / Donor Agencies | ***People's Contribution | ****Direct Funding to Communities | IRs. In lakhs |
| _ | GUJARAT - Kodiner | | Total Panelli | | | | |
| - 4 | Water Resource Mangement & Drinking Water Projects | 100 | | | - | | |
| - | a.Water Resource Devlopment | 4.69 | | | - | - | |
| | B Drinking Water Programme | 2,40 | 2.84 | | 1.00 | | 4,69 |
| 2 | Agriculture Development(Drip Irrigation, Farm Forestry & Afforesation) | 7.03 | | 6,65 | 54.69 | 160.49 53.20 | 166.73 |
| 3 | BCI | 7,68 | 1.01 | 123.95 | - | 100000 | 121.56 |
| 4 | Krishi Vigyan Kendra (KVK) - Agriculture | 1.02 | 69.23 | | 28.24 | 35,02 | 195,80 |
| 5 | Health & Senitation | 4.85 | | ** | | | 70.25 |
| 6 | Education Programme | 0.63 | - | 8.23 | 34.20 | - | 47.29 |
| 7 | Women / Youth Development | 2.71 | | | | A | 0.63 |
| | Skill and Enterprunership Development Programme | | | | | | 2.71 |
| 9 | Integrated Community Development Programme | 17.02 | 24,76 | 0.12 | 12.52 | | 54.42 |
| 10 | Co-ordination & Administration Expenses | 91,96 | -11 | 29.77 | ** | | 121.73 |
| 11 | Capital Expenditure | - | - | | - | | 0.00 |
| | TOTAL | - | | | ** | | 0.00 |
| - | | 140.00 | 97.84 | 168.62 | 130.64 | 248.71 | 785.81 |





- Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year, premonsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to the Ministry Environment and Forests and its Regional Office, Bhopal, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted and ingress of saline water is taking place due to the mining activity, necessary corrective measures shall be carried out.
- Complied. Water quality testing is carried out with the help of MoEF certified third party laboratory on Quarterly basis. Water levels are being recorded in open wells of buffer zone and piezometers are constructed in mines area core zone.
- Data collected is being communicated regularly to CGWA, New Delhi, MoEF Regional office (SEZ) Bhopal, CGWB Regional Director Gandhinagar .
- Ground water level & quality monitoring is being done regularly by establishing a network of ground water monitoring stations. Report is submitted to MoEF regional office Bhopal on six monthly basis. Ground water level & quality monitoring reports are enclosed as under







- Appropriate mitigative measures shall be taken to prevent pollution of the Shingoda River and the Shom River in consultation with the State Pollution Control Board.
- Point noted.
 - Shingoda river is located in buffer zone of mines at 2.2 Km from mine lease boundary and Somat river is located at beyond 2.0 Km from mine lease boundary. There will be no discharge to Shingoda & Somat river.
- Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral from mine face to the conveyor. The vehicles shall be covered with a tarpaulin and shall not be overloaded.
- Vehicular emissions are being checked & monitored regularly. Detail of P.U.C certificate by Somnath P.U.C center (Approved by : Veraval transport commissionerate, Gujarat) is attached as under:



- Drilling and blasting operation shall not be carried out.
- materials are being covered properly. Mining is being done using fully mechanized
- Surface Miner Machine.



| XV ii | Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated. | | Crusher is provided with high efficient dus extraction system i.e. Bag Filter. Bag filters are being regularly maintained and operated. |
|-----------|---|---|--|
| iii | Consent to operate shall be obtained from the State Pollution Control Board prior to start of enhanced production from the mine. | • | Fresh Consent to Operate have been obtained from Gujarat Pollution Control Board vide letter No. GPCB /ID-29258/CCA/JNG-547(2)/420905, Dated 19/08/2017, Consent Order No. AWH-87665. |
| xi x | Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and the wastewater generated during mining operation. | • | Sewage treatment plant has already been installed & operational at Ambujanagar. For the waste water generated from workshop, Oil and grease trap has been provided. |
| XX | Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. | • | Pre-placement medical examination and periodical medical examination of the worker engaged is being regularly carried out by team of doctors at our Occupational Health Centre. |
| i | Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project | • | All the required infrastructures are in place. The Condition is of during Construction/Start of Mining activity. |
| XX II | The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna namely lion if any, peacock etc. spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife conservation plan so prepared specific to the project site shall be effectively implemented. A copy of action plan shall be submitted to the Ministry of Environment and Forests and its Regional Office, Bhopal. | | All the precautionary measures as per submitted action plan are being under taken. Copy of wildlife conservation plan has been submitted to MoEF&CC vide our submission dated 25.12.2010 vide letter no. ACL/EMD/F-16/2010/55924. |
| xx iii | A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval | • | Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval. |
| (B) (| eneral Conditions | | a contraction of the contraction |
| | No change in technology and scope of working should be made without prior approval of the MoEF&CC. | • | We are following the same mining practices through state of art Surface Miner as proposed. In case of any change in the mining technology and scope of working, we will take prior approval from Ministry of Environment, Forest & Climate Change. |
| i | No change in the calendar plan including excavation, quantum of limestone, waste/ OB dumps should be made | • | Point noted & being complied. |
| ii | A Ambient Air Quality manifestory at 1 | | Eight ambient air quality monitoring locations have been identified as directed and are being monitored as per CPCB/SPCB guidelines. Ambient air quality monitoring reports are enclosed as under. |





| Month PM2.5 PM10 SO2 NOx CO PM2.5 PM10 SO2 PM10 PM1 | | ults April - | | | | No | North Boundary | | | | | | | | | |
|--|--|---|--|---|--|---------------------------------------|---|--|--|---|--|--|--|---|--|---|
| Pincle P | Month | | 100000000000000000000000000000000000000 | | A CONTRACTOR OF THE PARTY OF TH | | D842 F | and the same of th | | | co | PM2.5 | PM10 | 502 | NOx | co |
| Apr-21 29,3 45,2 99 11.2 BDL 28,6 52,3 10.1 14,7 BDL 31.2 47,5 10.7 14,5 BDL | Worken | ALCOHOLD STATE OF THE PARTY OF | | | The second second | The second second | Accessed to the Parket of the | - | The second second | | | The second second | and the same of th | (µg/m3) | (µg/m3) | (mg/m |
| Apr-21 29.4 50.5 12.6 15.3 33.8 30.1 30.4 49.5 11.1 13.2 30.1 27.1 50.4 12.5 15.4 80.1 | | | | and the same of | The same of the sa | | | | | | | | and the same of th | 10.7 | 14.5 | BDL |
| May-21 29.4 50.5 12.6 15.3 80.0 30.7 51.4 11.7 16.1 80.0 28.6 48.2 11.2 15.7 80.0 30.2 46.6 11.6 13.4 80.0 31.5 50.4 11.4 14.5 80.0 29.8 46.3 9.8 11.7 18.6 80.0 30.2 48.6 11.7 15.5 80.0 29.8 46.3 9.8 11.7 18.6 80.0 30.2 48.6 10.7 49.7 11.7 18.6 80.0 30.2 48.6 10.5 80.0 29.3 48.6 10.6 12.7 80.0 30.2 48.6 12.8 13.8 80.0 26.5 47.3 13.2 14.2 80.0 29.1 48.1 12.8 12.6 80.0 29.2 48.8 11.6 13.6 80.0 29.1 48.1 12.8 12.6 80.0 29.1 48.1 12.8 12.6 80.0 29.1 48.1 12.8 12.6 80.0 29.1 48.1 12.8 12.6 80.0 29.1 48.1 12.8 12.6 80.0 29.1 48.1 12.8 12.6 80.0 29.1 48.1 12.8 12.6 80.0 29.1 48.1 12.8 12.6 80.0 29.1 48.1 12.8 12.6 80.0 29.1 48.1 12.8 12.6 80.0 29.1 48.1 12.8 12.6 80.0 29.3 48.2 13.5 80.0 28.3 48.7 13.0 12.7 80.0 28.9 50.8 14.2 13.6 80.0 29.3 48.3 48.7 13.0 12.7 80.0 28.7 48.9 13.2 13.1 80.0 28.9 50.8 14.2 13.6 80.0 29.3 48.8 13.5 12.9 80.0 27.6 42.0 12.7 13.7 80.0 49.5 13.2 13.4 13.6 80.0 29.3 48.3 13.5 13.4 13.5 80.0 29.3 48.5 13.5 80.0 27.5 48.0 13.5 80.0 27.5 48.0 13.5 80.0 27.5 48.0 13.5 80.0 27.5 48.0 13.5 80.0 27.5 48.5 13.5 | Apr-21 | 400000000000000000000000000000000000000 | - | | | - | - | | | 1000 | | 27.1 | 50.4 | 12.5 | 15.4 | BDL |
| 19/8 30.2 46.6 11.6 13.4 801 31.5 50.4 12.4 14.5 801 29.8 45.3 9.8 17.1 801 31.2 47.5 31.5 31.2 47.5 31.2 47.5 31.5 | | | - | | | | _ | | A CONTRACTOR OF THE PARTY OF TH | | | - | 48.2 | 12.2 | 15.7 | BDL |
| 30.2 48.6 11.6 12.4 50.1 12.8 50.3 12.4 15.5 601 27.9 49.7 11.7 16.5 80.1 12.4 13.1 1 | May-21 | | - | | | | | | - | | BDL | 29.8 | 45.3 | 9.8 | 17.1 | BDL |
| Month | | - | | | | - | | | | | BDL | 27.9 | 49.7 | 11.7 | 15.5 | BDL |
| 31.7 47.5 50.4 12.5 13.4 80L 26.4 51.3 11.8 13.6 8DL 25.3 48.6 10.6 12.7 80L 27.5 49.6 12.9 13.8 80L 26.5 47.3 13.2 14.2 8DL 29.1 48.1 12.8 12.6 8DL 27.2 28.5 50.3 10.8 14.4 8DL 27.2 51.2 11.4 15.2 8DL 26.4 49.3 12.6 16.6 8DL 28.9 26.4 46.9 11.6 14.6 8DL 23.9 45.2 12.3 13.9 8DL 28.3 48.7 13.0 12.7 8DL 25.7 45.9 13.2 15.1 8DL 26.9 48.8 11.6 12.9 8DL 27.6 42.0 12.7 13.7 8DL 28.7 45.9 13.2 15.1 8DL 26.9 48.8 11.6 12.9 8DL 27.6 42.0 12.7 13.7 8DL 27.7 48.7 13.8 12.7 8DL 27.8 46.7 11.2 47.1 8DL 29.2 50.6 12.5 15.8 8DL 27.7 48.7 13.3 52.1 11.4 14.2 8DL 29.3 48.6 10.7 16.5 8DL 22.1 31.3 31.4 17.6 8DL 27.3 46.5 10.5 16.2 8DL 28.1 47.1 8DL 28.1 48.6 10.7 16.5 8DL 28.1 48.6 10.7 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 1 | Jun-21 | 1 | - | | - | | | - | _ | | BDL | 32.1 | 51.2 | 12.1 | 16.2 | BDI |
| Aug-21 27.5 49.6 12.9 13.8 BDL 26.5 47.3 13.2 14.2 BDL 29.1 48.1 12.8 12.6 BDL | 2.1.24 | - | | | | | | _ | 11.8 | 13.6 | BDL | 25.3 | 48.6 | 10.6 | 12.7 | - |
| Aug-21 28.5 50.3 10.8 14.4 8DL 27.2 51.2 11.4 15.2 8DL 26.4 49.3 12.6 16.6 8DL 28.3 48.7 13.0 12.7 8DL 28.7 48.9 13.2 15.1 8DL 26.9 43.8 11.6 12.9 8DL 27.6 42.0 12.7 13.7 8DL 28.2 48.7 | JUI-21 | - | | | | - | | | | 14.2 | BDL | 29.1 | 48.1 | 12.8 | 12.6 | - |
| Right Righ | A 21 | - | - | - | | - | | - | 11.4 | 15.2 | BDL | 25.4 | 49.3 | 12.6 | | - |
| Sep-21 30.2 46.8 12.3 12.5 8DL 28.9 50.8 14.2 13.6 8DL 29.5 47.9 11.8 15.7 8DL 25.7 45.9 13.2 15.1 8DL 26.9 43.8 11.5 12.9 8DL 27.6 42.0 12.7 13.7 8DL 27.0 48.8 11.5 12.9 8DL 27.6 42.0 12.7 13.7 8DL 27.1 28.2 51.4 10.6 12.7 8DL 27.3 46.7 12.2 17.1 8DL 29.2 50.6 12.5 15.8 8DL 27.7 48.0 11.6 12.6 8DL 27.3 46.7 12.2 17.1 8DL 29.2 50.6 12.5 15.8 8DL 27.7 48.7 12.7 13.3 8DL 27.3 46.5 10.7 16.5 8DL 27.1 51.6 11.4 17.2 8DL 27.3 46.5 10.5 16.2 8DL 28.4 50.6 11.8 16.9 8DL 26.3 49.5 11.7 14.2 8DL 28.2 49.7 11.6 8DL 29.4 48.6 12.8 16.7 8DL 27.4 47.2 12.7 11.6 8DL 28.1 47.1 10.3 15.4 8DL 29.4 48.6 12.8 16.7 8DL 29.4 47.2 12.7 11.6 8DL 28.2 49.7 12.5 12.7 8DL 27.4 49.0 12.5 15.8 8DL 29.4 48.8 11.7 13.3 8DL 28.2 51.4 10.6 12.7 8DL 27.4 49.0 12.5 15.8 8DL 29.2 48.8 11.7 13.3 8DL 28.2 51.4 10.6 12.7 8DL 27.4 49.0 12.5 15.8 8DL 29.2 48.8 11.7 13.3 8DL 28.2 51.4 10.6 12.7 8DL 27.4 49.0 12.5 15.8 8DL 29.8 43.9 10.3 16.4 8DL 25.7 46.0 11.6 12.7 8DL 27.1 50.1 31.1 12.8 8DL 29.8 43.9 10.3 16.4 8DL 25.7 46.0 11.6 12.7 8DL 27.1 50.3 31.1 12.8 8DL 29.8 43.9 10.3 16.4 8DL 25.7 46.0 11.6 12.7 8DL 27.1 50.3 31.1 12.8 8DL 29.8 43.9 10.3 16.4 8DL 25.7 46.0 11.6 12.7 8DL 27.1 50.3 31.1 12.8 8DL 29.8 43.9 10.3 16.4 8DL 25.7 45.0 12.5 15.5 8DL 26.7 48.3 13.4 16.1 8DL 26.7 48.3 12.5 15.5 8DL 26.7 48.3 13.4 16.1 8DL 26.7 48.3 13.4 16.1 8DL 26.7 48.3 13.4 16.1 8DL 26.5 48.5 13.1 12.8 8DL 26.5 48.5 26.7 48.3 26.7 48.3 26.7 48.3 26.7 48.3 26.7 48.3 26.7 48.3 | Aug-21 | - | _ | | | | | - | 12.3 | 13.9 | BDL | 28.3 | 48.7 | | - | |
| Month Western Boundary Devalpara Village | Con 21 | - | | | (AMERICAN AND AND AND AND AND AND AND AND AND A | | - | 50.8 | 14.2 | 13.6 | BDL | 29.5 | 47.9 | - | | - |
| Month PMZ-5 PMI0 SOZ NOX CO PMZ-5 PMI0 SOZ NOX PMZ-5 PMI0 SOZ NOX CO PMZ-5 PMI0 SOZ NOX CO PMZ-5 PMI0 SOZ PMZ-5 PMI0 SOZ PMZ-5 | Sep-21 | _ | - | | 100000000000000000000000000000000000000 | - | | 43.8 | 11.5 | 12.9 | BDL | 27.6 | | The second second | - | BDI |
| Month PM2.5 PM10 SO2 NOx CO PM2.5 PM10 SO2 SO2 NOx CO PM2.5 SO2 SO2 NOx CO PM2.5 SO2 SO2 NOx CO PM2.5 SO2 | | Allowani | | | - | VIII NO. III | | Den | alpara Vil | lage | | | - | - | The second secon | |
| Apr-21 28.2 51.4 10.6 12.7 80L 27.3 46.7 11.2 17.1 80L 29.2 50.6 12.5 15.8 80L 25.7 46.0 11.6 12.6 80L 26.2 48.2 9.7 15.8 80L 27.1 51.6 11.4 17.2 80L 27.1 51.6 11.4 17.2 80L 27.1 31.3 52.1 11.4 14.2 80L 29.3 48.6 10.7 16.5 80L 32.1 51.3 13.4 17.6 80L 31.7 48.7 12.7 15.6 80L 27.3 46.5 10.5 16.2 80L 28.4 50.6 11.8 16.9 80L 26.3 49.1 11.7 14.2 80L 28.2 49.7 11.6 12.7 80L 31.7 50.1 12.2 15.8 80L 26.3 49.1 11.7 14.2 80L 28.1 47.1 10.3 15.4 80L 29.4 48.6 12.8 16.7 80L 27.4 47.2 12.7 11.6 80L 26.2 46.2 13.0 14.2 80L 28.6 49.5 12.4 13.1 80L 28.6 46.9 11.6 13.9 80L 28.2 51.4 10.6 12.7 80L 27.4 45.2 11.4 15.3 80L 28.2 51.4 10.6 12.7 80L 27.4 49.0 12.5 15.8 80L 27.4 49.0 12.5 15.8 80L 27.4 49.0 12.5 15.8 80L 28.2 51.4 10.6 12.7 80L 27.4 49.0 12.5 15.8 80L 28.2 51.4 10.6 12.7 80L 27.4 49.0 12.5 15.8 80L 29.2 29.8 45.9 10.3 16.4 80L 29.4 53.1 12.5 15.2 80L 26.7 48.3 13.4 16.1 80L 29.8 45.9 10.3 16.4 80L 26.7 47.3 12.8 14.2 80L 27.1 50.3 13.1 12.8 80L 29.8 45.9 10.3 16.4 80L 26.7 47.3 12.8 14.2 80L 27.1 50.3 13.1 12.8 80L 29.8 45.9 10.3 16.4 80L 26.7 47.3 12.8 14.2 80L 27.1 50.3 13.1 12.8 80L 29.8 45.9 10.3 16.4 80L 26.7 47.3 12.8 14.2 80L 27.1 50.3 13.1 12.8 80L 20.7 48.8 13.4 16.1 80L 29.8 45.9 10.3 16.4 80L 26.7 47.3 12.8 14.2 80L 27.1 50.3 13.1 12.8 80L 27.1 50.3 13.1 13.8 80L 28.2 28.2 28 | Month | DM2 5 | | - | | CO | PM2.5 | PM10 | 502 | NOx | CO | 1 | - | | - | A STATE OF TAXABLE |
| 25.7 45.0 11.6 12.6 BDL 26.2 48.2 9.7 15.8 BDL 27.1 51.6 11.4 17.2 BDL BDL 31.3 52.1 11.4 14.2 BDL 29.3 48.6 10.7 16.5 BDL 32.1 51.3 13.4 17.6 BDL 31.7 48.7 12.7 15.6 BDL 27.3 46.5 10.5 16.2 BDL 28.4 50.6 11.8 16.9 BDL 20.3 49.1 11.7 14.2 BDL 28.1 47.1 10.3 15.4 BDL 29.4 48.6 12.8 16.7 BDL 20.3 49.1 11.7 14.2 BDL 28.1 47.1 10.3 15.4 BDL 28.6 49.5 12.4 13.1 BDL 28.6 46.9 11.6 13.9 BDL 25.9 42.7 12.5 12.7 BDL 27.4 49.5 12.4 13.3 BDL 29.2 48.8 11.7 13.3 BDL 28.2 51.4 10.6 12.7 BDL 27.4 49.0 12.5 15.8 BDL 29.8 43.9 10.3 16.4 BDL 25.7 46.0 11.6 12.6 BDL 28.7 49.2 10.7 11.8 BDL 29.8 43.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 31.1 12.8 BDL 29.8 43.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 31.1 12.8 BDL 29.8 43.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 31.1 12.8 BDL 29.8 43.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 31.1 12.8 BDL 29.8 43.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 31.1 12.8 BDL 29.8 43.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 31.1 12.8 BDL 29.8 43.9 10.3 16.4 BDL 26.7 47.3 12.8 BDL 27.1 50.3 31.1 12.8 BDL 29.8 43.9 10.3 16.4 BDL 26.7 47.3 12.8 BDL 27.1 50.3 31.1 12.8 BDL 29.8 43.9 10.3 16.4 BDL 26.7 47.3 12.8 BDL 27.1 50.3 31.1 12.8 BDL 29.8 43.9 | Apra21 | - | | | The second second second | 0 | 27.3 | 46.7 | 11.2 | 17.1 | BDI. | 29.2 | 50.6 | | - | _ |
| May-21 31.3 52.1 11.4 14.2 BDL 29.3 48.6 10.7 16.5 BDL 32.1 51.3 13.4 17.6 BD 31.7 48.7 12.7 15.6 BDL 27.3 46.5 10.5 16.2 BDL 28.4 50.6 11.8 16.9 BD 31.7 48.7 12.5 13.3 BDL 28.2 49.7 11.6 12.7 BDL 31.7 50.1 12.2 15.8 BD 31.7 50.1 12.2 15.8 BDL 26.3 49.1 11.7 14.2 BDL 28.1 47.1 10.3 15.4 BDL 29.4 48.6 12.8 16.7 BDL 21.4 12.1 11.6 BDL 26.2 46.2 13.0 14.2 BDL 28.6 49.5 12.4 13.1 BDL 28.6 46.9 11.6 13.9 BDL 25.9 42.7 12.5 12.7 BDL 27.4 45.2 11.4 15.3 BDL 28.2 51.4 10.6 12.7 BDL 27.4 49.0 12.5 15.8 BDL 24.5 47.3 12.2 13.6 BDL 25.7 46.0 11.6 12.6 BDL 28.7 49.2 10.7 11.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 20.4 | Mpi-21 | | - | 1 | - | BDL | 25.2 | 48.2 | 9.7 | 15.8 | BDL | 27.1 | 51.6 | - | | _ |
| 31.7 48.7 12.7 15.6 BDL 27.3 46.5 10.5 16.2 BDL 28.4 50.6 11.8 16.9 BDL | Maya 21 | - | - | | - | _ | | 48.6 | 10.7 | 16.5 | BDL | 32.1 | 51.3 | - | September 1 | - |
| Jun-21 30.2 51.4 12.5 13.3 BDL 28.2 49.7 11.6 12.7 BDL 31.7 50.1 12.2 15.8 BDL 26.3 49.1 11.7 14.2 BDL 28.1 47.1 10.3 15.4 BDL 28.6 49.5 12.4 13.1 BDL 28.6 49.9 11.6 13.9 BDL 25.9 42.7 12.5 12.7 BDL 27.4 49.0 12.5 15.8 BDL 29.2 48.8 11.7 13.3 BDL 28.2 51.4 10.6 12.7 BDL 27.4 49.0 12.5 15.8 BDL 29.8 45.9 10.3 16.4 BDL 29.1 53.1 12.5 15.2 BDL 26.7 48.3 13.4 16.1 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.1 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 | Pigy'21 | | The same of the sa | - | | | - | _ | 10.5 | 16.2 | BDL | - | | - | - | - |
| Jul-21 27.4 47.2 12.7 11.6 BDL 26.2 46.2 13.0 14.2 BDL 28.6 49.5 12.4 13.1 BDL 28.6 46.9 11.6 13.9 BDL 25.9 42.7 12.5 12.7 BDL 27.4 49.0 12.5 15.8 BDL 24.5 47.3 12.2 13.6 BDL 28.2 51.4 10.6 12.7 BDL 27.4 49.0 12.5 15.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 GDL 26.7 47.3 12.8 I4.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 GDL 26.7 GDL 27.1 50.3 13.1 12.8 BDL 29.8 GDL 26.7 47.3 12.8 I4.2 BDL 27.1 50.3 13.1 12.8 BDL 27.1 SO.3 13.1 I2.8 BDL 27.1 SO.3 I3.1 I3.1 I3.8 BDL 27.1 SO.3 I3.1 I3.1 I3.1 I3.1 I3.1 I3.1 I3.1 I3 | 1un-24 | | - | 100000000000000000000000000000000000000 | | | - | | | 12.7 | BDL | 31.7 | | | - | - |
| Jul-21 27.4 47.2 12.7 11.6 BDL 26.2 46.2 13.0 14.2 BDL 28.6 49.5 12.4 13.1 BDL 28.6 46.9 11.6 13.9 BDL 25.9 42.7 12.5 12.7 BDL 27.4 45.2 11.4 15.3 BDL 28.2 51.4 10.6 12.7 BDL 27.4 49.0 12.5 15.8 BDL 24.5 47.3 12.2 13.6 BDL 25.7 46.0 11.6 12.6 BDL 28.7 49.2 10.7 11.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.1 53.1 12.5 15.2 BDL 26.7 48.3 13.4 16.1 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL | Juli-21 | - | - | 1 11 11 11 11 | - | - | 28.1 | 47.1 | 10.3 | 15.4 | BDL | 29.4 | 48.5 | | - | - |
| 28.6 46.9 11.6 13.9 BDL 25.9 42.7 12.5 12.7 BDL 27.4 45.2 11.4 15.3 8D Aug-21 29.2 48.8 11.7 13.3 BDL 28.2 51.4 10.6 12.7 BDL 27.4 49.0 12.5 15.8 BDL 24.5 47.3 12.2 13.6 BDL 25.7 46.0 11.6 12.6 BDL 28.7 49.2 10.7 11.8 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 29.8 arrangement on haular oads, loading and unloading and at transfer points should be provided and properly maintained. Point noted and complied. Our last submission was on 17.05.2021 vide left No. ACL/EMD/F-16/2021/2348/88960 Environment friendly Surface Miner machine being used for mining. Surface miner has be provided and properly maintained. Point noted and complied. Our last submission was on 17.05.2021 vide left No. ACL/EMD/F-16/2021/2348/88960 Environment friendly Surface Miner machine being used for mining. Surface miner has be provided with inbuilt facility of water sprinkling suppress dust generated during mining. On all haul roads regular water sprinkling is bedone by tractor mounted water tankers. Fugitive dust emission report are enclosed under. | Tel. 24 | | - | | | _ | 26.2 | 46.2 | 13.0 | 14.2 | BDL | 28.6 | 49.5 | - | | - |
| Aug-21 29.2 48.8 11.7 13.3 BDL 28.2 51.4 10.6 12.7 BDL 27.4 49.0 12.5 15.8 BDL 24.5 47.3 12.2 13.6 BDL 25.7 46.0 11.6 12.6 BDL 28.7 49.2 10.7 11.8 BDL 29.1 53.1 12.5 15.2 BDL 26.7 48.3 13.4 16.1 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 28.6 Bhopal and SPCB / CPCB once in six months Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained. Point noted and complied. Our last submission was on 17.05.2021 vide let No. ACL/EMD/F-16/2021/2348/88960 Environment friendly Surface Miner machine being used for mining. Surface miner has be provided with inbuilt facility of water sprinkling suppress dust generated during mining. On all haul roads regular water sprinkling is bedone by tractor mounted water tankers. Fugitive dust emission report are enclosed under. | JUI-21 | - | | | - | | | 42.7 | 12.5 | 12.7 | BDL | 27.4 | 45.2 | 11.4 | | + |
| 24.5 47.3 12.2 13.6 BDL 25.7 46.0 11.6 12.6 BDL 28.7 49.2 10.7 11.8 BDL 29.1 53.1 12.5 15.2 BDL 26.7 48.3 13.4 16.1 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 28.6 BDD 28.6 BDD 29.8 BDD 26.7 48.3 13.4 16.1 BDD 29.8 BDD 29.8 BDD 29.8 BDD 29.8 BDD 29.8 BDD 20.8 BDD 20. | Aug. 21 | _ | | - | | _ | 28.2 | 51.4 | 10.6 | 12.7 | BDL | 27.4 | | - | _ | - |
| Sep-21 27.2 51.2 10.6 17.3 BDL 29.1 53.1 12.5 15.2 BDL 26.7 48.3 13.4 16.1 BDL 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 20.1 50.3 13.1 12.8 BDL | Aug-21 | | - | - | | - | 25.7 | 46.0 | 11.6 | 12.6 | BDL | 28.7 | - | | | - |
| 29.8 45.9 10.3 16.4 BDL 26.7 47.3 12.8 14.2 BDL 27.1 50.3 13.1 12.8 BDL 27.1 5 | Con 31 | - | _ | _ | - | _ | 29.1 | 53.1 | 12.5 | 15.2 | BDL | 26.7 | 48.3 | _ | | - |
| • Point noted and complied. Our last submission was on 17.05.2021 vide less shopal and SPCB / CPCB once in six months Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained. • Point noted and complied. Our last submission was on 17.05.2021 vide less No. ACL/EMD/F-16/2021/2348/88960 Environment friendly Surface Miner machine being used for mining. Surface miner has being used for mining. Surface miner has be provided with inbuilt facility of water sprinkling suppress dust generated during mining. On all haul roads regular water sprinkling is bedone by tractor mounted water tankers. Fugitive dust emission report are enclosed under. | 3ep-21 | - | _ | - | | _ | - | 47.3 | 12.8 | 14.2 | BDL | 27.1 | 50.3 | 13.1 | 12.8 | BD |
| | Bhopal and Fugitive di controlled | to the d SPCB / ust em regular | Minist CPCB issions rly. War | ry inclu once in from a ter spra | iding it six mo all the aying a | s region nths source rranger | nal off s shou nent or | ice at | • C | Our last Io. ACL Inviron Deing L | submi / EMD/F ment for sed fo | ission v -16/202 friendly or minir | vas on 1/2348/ Surfa ng. Sur | 88960 ce Min face m | er ma | chine as be |
| | Bhopal and Fugitive di controlled roads, load | to the d SPCB / ust em regular ding and | Minist CPCB issions rly. War d unloa | ry incluonce in from a ter spra | iding it six mo all the aying a dat tra | s region nths source rranger | nal off s shou nent or | ice at | • CON N | Our last Io. ACL Inviron Deing uppres On all h done by Fugitive | submit submit seed for dised for distance dust grant for distance dust | riendly r minir inbuilt generated region regions regio | vas on 1/2348/- Surfacility red duriular wated was on rep | 88960 ce Min face m of wat ing min ater spr ter tank port ar | er ma siner h er sprir ing, inkling cers, e encl | chine as be nkling is be osed |

engaged in operations of HEMM etc should be provided

with ear plugs / muffs

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ambient noise monitoring as well as HEMM noise

monitoring is being carried out. Ambient noise

monitoring as well as HEMM noise monitoring

reports are enclosed as under.

| Month Conditions Noise Levels (dB) At 5m. distance At 10m. distance At 5m. distance At 10m. distance At 5m. distance At 10m. distance At 5m. distance At | Machine | | Surface Miner | | | April - 2021 to S | | Dozer | | | | |
|--|---------|------------|-----------------|------------------|------------|-------------------|------------------|------------|--|------------|--|--|
| At 5m. distance | Month | Conditions | | evels (dB) | Candillan | Noise Le | evels (dB) | | The second secon | nyale (AR) | | |
| Leq Leq | | | At 5m. distance | At 10m. distance | Continuons | At 5m. distance | At 10m. distance | Conditions | | | | |
| Apr-21 Gr G3 G9 G1 G7 G2 | | | | Leg | | Lea | | | | | | |
| Jul-21 ⊕ 66 62 ⊕ 68 63 ⊕ E 69 64 Aug-21 ≥ 65 60 € 71 66 € 70 63 | - | (D) | 67 | 63 | - 29 - | | | | | | | |
| Jul-21 9 66 62 9 5 68 63 9 6 69 64 Sep-21 65 60 70 63 | May-21 | 를 | 72 | 68 | | | | 5.4 | | - | | |
| Jul-21 9 66 62 9 5 68 63 9 6 69 64 Sep-21 65 60 70 63 | | 늗 | 67 | | | - | | 12 2 | | 64 | | |
| Aug-21 S 67 65 60 71 66 S 69 64 70 63 | | | | | | | 67 | | 67 | 62 | | |
| Sep-21 > 65 60 > 71 00 > 5 70 63 | | ŧ | | | | 68 | 63 | | 69 | 64 | | |
| Sep-21 65 60 5 70 50 55 70 63 | | 3 | 67 | 65 | € € | 71 | 66 | E 9 | | | | |
| | Sep-21 | | 65 | 60 | \$ | 72 | 58 | - \$ ± | 67 | 62 | | |

| | Ambient Noise Level Monitoring - April - 2021 to September - 2021 Noise Levels in dB(A) | | | | | | | | | | | | | |
|--------|---|----------------|--------------|----------------|--------------|----------------|-------|------------|---------|-----------|--|--|--|--|
| Month | Near Min | Surface | Haul | road | | offices | | ra village | lochhve | d Village | | | | |
| | Leq (Day) | Leq (Night) | Leq (Day) | Leq (Night) | Leq (Day) | Leq (Night) | Leq | Leq | Leq | Leq | | | | |
| Apr-21 | 69 | 66 | 65 | 59 | 61 | 55 | (Day) | (Night) | (Day) | Might | | | | |
| May-21 | 71 | 64 | 67 | 60 | | | 52 | 49 | 48 | 45 | | | | |
| Jun-21 | 73 | | | | 60 | 56 | 51 | 46 | 49 | 47 | | | | |
| Jul-21 | | 66 | 70 | 58 | 60 | 57 | 47 | 40 | 46 | 35 | | | | |
| - | 69 | 64 | 67 | 57 | 59 | 60 | 52 | 48 | | - | | | | |
| Aug-21 | 71 | 68 | 67 | 59 | 60 | - | | | 46 | 44 | | | | |
| Sep-21 | 65 | 62 | | - | | 56 | 54 | 46 | 47 | 38 | | | | |
| | Name and Address of the Owner, where the Party of the Owner, where the Owner, which is the Owner, where the Owner, where the Owner, which is the Owner, where the Owner, which is the | 02 | 60 | 56 | 54 | 50 | 57 | 52 | 52 | 49 | | | | |

vii Industrial waste water (workshop and waste water from mine) should be properly collected, treated so as to confirm to the standards prescribed under GSR 422(E) dated 19.05.1993 & 31.12.1993 or as amended from time to time. Oil and grease trap should be installed before discharge of work shop effluents.

Point noted and complied.

 Oil and grease trap has been installed at workshop for treatment of waste water before discharge of any work shop effluents. Regular monitoring is carried out by GPCB approved third party (M/s Royal Environment Auditing and Consultancy services, Rajkot) report is enclosed below:



Personnel working in dusty areas should wear protective respirator devices and they should also be provided with adequate training and information and safety & health aspects. Occupational health surveillance program of the workers should be under taken periodically to observe any contraction due to exposure to dust and take corrective measures if needed

Point noted and complied.

 Dust Masks, Safety Shoes, Safety Goggles & Helmet are provided to each & every personnel working in the mine area. Periodic Health check up is being done for personnel working in mines area. Work area monitoring for air borne dust is carried out regularly on monthly basis, monitoring results are enclosed as under:

| | Machine : Su | - | | | Machine | : Dozer | | 21 to September - 2021) Machine: Loader | | | | | |
|-----------|---------------|---------------|-------------------|-----------|---------------|----------|---------------|--|---------------|--|---------------|--|------|
| Date | | Location | RSPM (mg/m3) | Date | Period | Location | RSPM (mg/m3) | Date | | The same of the sa | RSPM (mg/m3 | | |
| 12-Apr-21 | 06:00 - 14:00 | | 0.36 | 13-Apr-21 | 06:00 - 14:00 | | 0.32 | 14-Apr-21 | | | | | |
| 10-May-21 | 14:00 - 22:00 | pin | 0.35 | 11-May-21 | 14:00 - 22:00 | = | | | 11100 | | 0.31 | | |
| 14-Jun-21 | 06:00 - 14:00 | Cab | 0.37 | 15-Jun-21 | 06:00 - 14:00 | de | | | 14:00 - 22:00 | | 0.30 | | |
| 19-Jul-21 | 14:00 - 22:00 | 9 | V 171 | 20-Jul-21 | 14:00 - 22:00 | 9 | | | 06:00 - 14:00 | 1000 | 0.29 | | |
| 23-Aug-21 | 06:00 - 14:00 | 1Si | | - | | Sid | 0.31 | Accessed to the second | 14:00 - 22:00 | | 0,32 | | |
| 6-Sep-21 | 14:00 - 22:00 | - | 0,33 | | | | 0.3 | 25-Aug-21 | 06:00 - 14:00 | E S | 0,31 | | |
| -sep-21 | 14:00 - 22:00 | 14:00 - 22:00 | -21 14:00 - 22:00 | | 0.32 | 7-Sep-21 | 14:00 - 22:00 | | 0.29 | 8-Sep-21 | 14:00 - 22:00 | | 0.33 |





A separate environmental management cell with suitable Complied. Environment Management Division (EMD) has qualified personnel should be set-up under the control of a already been set up with suitable qualified Senior Executive, who will report directly to the Head of personnel. Head of environmental management the Organization. cell directly reports to the Unit Head of the organization. EMD organization chart is enclosed as under. Organization Chart MCH Head Environment Sr. Officer - Environment Complied. The funds earmarked for environmental protection Details of capital and recurring expenditure for measures should be kept in separate account and should environmental protection measures are enclosed not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office as under located at Bhopal. Ambuja Cement Foundation - Ambujanagar Expenditure incurred in Environment Management Plan Details for programme wise expenditure for the year April 2021 to Sept. 2021 Vadnagar (5.No. -44) Mines Rs. In leich Capital Invesstment for Environmental Monitoring: ** Funds from Total Exp. Funding to Cost (In Lacs) other Domors / Particulars Programmie through 37.08 Monitoring Equipments GULARAT - Kodinar Environment Laboratory 10 Water Resource Mangement & Drinking Water Pro Others (Monitoring Van, DG Sets etc. 10 a. Water Resource Devlopment 166.73 Total (In Lacs INR) 57.08 2.40 2.84 8 . Drinking Water Program Agriculture Development Drip Irrigation, Farm Forestry & Atforesation 121.56 Recurring Expenditure for the period of April'2021 to September'2021 7.03 5.65 54,58 195.80 Cost (In Lacs) Particulars 7.68 123.85 S.No 3 PCI 70.25 3.59 1.02 69.73 Green belt development & Dust suppression 4 Krishi Vigyan Kendra (KVK) - Agriculture 3.23 34.20 47.29 Health & Sanitation 4.85 28.14 Manpower Cost * 0.63 6 Education Programme 1.08 2.71 House Keeping 2.71 7 Women / Youth Development 54.42 1.42 Other Env. Protection (Environmental Monitoring) B Skill and Enterprunership Development Programme 121.73 29.7 9 Integrated Community Development Programme 10 Co-ordination & Administration Expenses Environment Awareness * 0.75 0.00 Total (In Lacs INR) 34.98 11 Capital Expenditure 130.64 158,62 * Expenditures are Common for All the Plants & Mines. TOTAL Point noted and complied. The project authorities should inform to the regional office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work Point noted and Complied. The regional office of this Ministry located at Bhopal shall Full support and co-operation is being extended monitor compliance of the stipulated environmental during the visit of officers from Ministry of conditions. The project authority should extend full Environment & Forest, CPCB as well as GPCB. cooperation to the officer(s) of the regional offices by Project was monitored by Dr. A. Mehrotra furnishing the requisite data / information / monitoring reports (MOEF&CC, Regional Office, Bhopal) during 12.10.2010 to 13.10.2010 The project proponent shall submit six monthly report on the Complied. Half yearly compliance status report is being status of compliance of stipulated environmental clearance regularly submitted and last submission was on conditions including results of monitored data (both in hard ACL/EMD/Fletter No. copies as well as by e-mail) to the Ministry of Environment and 17.05.2021 vide Forests, its Regional Office, Bhopal, the respective Zonal 16/2021/2348/ 88960 Office of Central Pollution Control Board , the State Pollution Control Board. The proponent shall upload the status of

| | compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of the Ministry of Environment and Forests, Bhopal, the respective Zonal Office of the Central Pollution Control Board and the State Pollution Control Board. | ESSENCE TO SELECTE AND A SELECTE OF SERVICES AND A SELECTE ADMINISTRATION OF SELECTE AND A SELECTE A |
|-----|---|--|
| xiv | A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal. | Complied. A copy of clearance letter has been marked to concern. |
| xv | State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/Tehsildar's Office for 30 days. | GPCB is the concern authority for the same. |
| xvi | The project authorities should advertise atleast in two local news papers widely circulated around the project one of which shall be in the vernacular language of the locality concerned within 7 days of issuance of the clearance letter informing that the project has been accorded EC and a copy of the clearance letter is available with the SPCB and may also be seen at the website of MoEF&CC at www.envfor.nic.in | Complied. Advertisement was published in two local news papers. Copy of advertisement has been submitted to MoEF&CC on 25.12.2010 vide letter no. ACL/EMD/F16/2010/55924. |





Annexure-1

| | Key Performance Indicators up to Sept. 2021 | | | | | |
|--------|--|-------------------|--|---|--|--|
| Sr. No | Details of Work/activities | Unit | Cummulative up to March 2021 | during April 2021 to Sept. 2021 | Cummulative up to Sept. 2021 | |
| 14 | Water Resources Management and Drinking Water Projects | | | | 227 | |
| | a. Checkdam construction / Renovation | No | 226 | 1 | 1208 | |
| | c. Well Recharging / Percolation well | No | 1268 | 0 | A COLUMN TO SERVICE AND ADDRESS OF THE PARTY | |
| | d Ponds Construction / Renovation | No | 119 | 0 | 119 | |
| | e. Link Channels / Canals construction | Km | 69.26 | 0 | 69.26 | |
| - | f Water Storage Tank/ Farm Ponds | No | 734 | 0 | 734 | |
| | n. Total surface water harvested | MCM | 38.78 | 0.77 | 39.55 | |
| 1:00 | Drinking Water Projects | | | | | |
| | a RRWHS Construction | No | 4000 | 10 | 4010 | |
| _ | b. Drinking water wells/ Bore wells/ Renovation of Saline Wells | No | 120 | 0 | 120 | |
| | c. Overhead / Cistern Tank construction/underground sump | No | 25 | | 25 | |
| - | d. Community Based Driniking Water Project | No | 66 | 5 | 70 | |
| 10 | Soil and Water Concernation | CALL THE PARTY OF | | | | |
| 15 | a. Area Treated (Gully Control / Gabion / loose boulder structure / weir crates / Khadine | Ha | 11876 | 0 | 11878 | |
| 2A | Agriculture Development | | | | | |
| 45 | a. Micro Irrigation system, Drip and Sprinklers | Agre | 14471.48 | 364.95 | 14838.43 | |
| _ | No. of simers covered | No | 3335 | 104 | 3439 | |
| | | No | 326 | | 328 | |
| | NO OTUNES | 1 | 299 | | 299 | |
| | NO OT BINNE | . No | 19767 | 3.588 | 23353 | |
| | G. Harring & Exposure sists | No | 356751 | 114765 | 471516 | |
| | Farmers trained | No | 158 | *************************************** | 158 | |
| | e. Verni / NADEP Composting | No | 120 | W 100 | 120 | |
| | g. Aquaculture | | 1166 | | 1108 | |
| - | I Seed Production programme | Agre | 43053 | 17482 | 60545 | |
| | j. Better Cotton Initiative - Area covered | Hectare | 83 | 188 | 271 | |
| | k. Demo plots on POPs | Nb | 777 | 6360 | 58344 | |
| | - Farmers covered | Nb | 49584 | 0 | 2 | |
| | k. Farmer producer organization | No | 2 | 6 | 2137 | |
| | I. No of members | Nb | 2131 | | | |
| 8 | Farm Forestry and Afforestation | | 13119.16 | 625 | 13744.15 | |
| | a. Horticulture Plantation | Agre | The state of the s | 31108 | 979200 | |
| | No of plants | nos | 948092 | | 5391.01 | |
| - | b. Agro-Farm Forestry | Agre | 5391.01 | 0 | 17.77 | |
| | c Afforestation | Acre | 17.77 | 0 | 8.68 | |
| | d. Avenue plantation / Roadside plantation | Km | 8.68 | 0 | 0.00 | |
| 3 | Animal Husbandry Programme | | | | | |
| | a, Cattle Health Camps | No | 227 | | 227 | |
| | Catiles Treated | No | 176102 | | 176102 | |
| | Cattle Immunised | No | 26056 | | 28086 | |
| | | Agre | 2571.1 | | 2571.1 | |
| | b. Fodder Demonstrations | No | 49123 | | 49123 | |
| | c. Artificial Insemination | No | 1394 | | 1394 | |
| | d. Integrated cattle feeding system | No | 1 | | 1 | |
| | e. Dairy co-operatives formed | 740 | 10790 | | 10790 | |
| | g. No of families benefited by AH programme | | | | | |
| 4 | Non Conventional Energy | No | 528 | 0 | 526 | |
| | a. Biogas Plants | No | 4671 | 0 | 4671 | |
| | b. Smokeless Chullahs | 140 | Name of the last o | | | |
| 5 | Education Development | Nb | 29 | | 29 | |
| | b. School / Anganwadi (Balwadi)Support Programme | | · 4 | 1 | 5 | |
| 11010 | h Village / School Library | Nb | | - | 3 | |
| | i. Village Knowledge Centre / Computer education | No | 3 | - | 4 | |
| | i. Adolescent Education Programme | Nb | 4 | 4 | 162 | |
| | L Students training / exposure visits | Nb | 158 | 4 | 62 | |
| | n. Schools benefited | Nb | 58 | 4 | | |
| | Sports equipments provided to schools | Nb | 103 | | 10 | |
| | p. School sanitation facilities | Nb | 28 | | 28 | |
| | g. No of students benefited under Education Development | Nb | 9477 | 268 | 9745 | |

| 7 Health and sanitation Programme | | | | |
|--|-----------------------|--|-------------------------|-------------|
| a. No of camps organised (include all general and speciality health camps) | No | 366 | 8 | 37.4 |
| Patients benefited | No | 63908 | | |
| b. Villages benefited under mobile & weekly dispensary | No | 22 | 1129 | 6503 |
| Patients treated | No | - | 13 | 35 |
| c. Sakhis (Village Health Functionaries) | No | 350102 | 788 | 35089 |
| d. Villages covered by Sakhis / Patients treated by Sakhis | No | 21 | 16 | 37 |
| No of Patients treaded | 140 | 16 | 13 | 29 |
| e. Khelwadi sessions conducted by Sakhis | 61- | 37704 | | 3770 |
| f. Health intervention trainings done (include trainings of Sakhis / | No | 3611 | | 3611 |
| Govt. health fuchtioneries) | No | 62 | 14 | 76 |
| Participants in trainings | No | 1546 | 484 | 2030 |
| g. Construction of Toilet Blocks / Sulabh Sauchalaya / Soak Pits | No | 12063 | 103 | 1216 |
| h. Villages where Total Sanitation Campaign initiated | No | 259 | 40 | 299 |
| i. No of Village Health Sanitation Committees activated | No | 73 | | 73 |
| A HIV/AIDS Awareness Programme (Community) | C Same | | | 13 |
| h. No of people benefited | No | 138828 | 0 | 40000 |
| Workplace Programme | 140 | 130020 | U | 13882 |
| a. Awareness session for Staff / Families / contract staff / labourse / | and the second second | | | |
| | No | 10818 | 0 | 10818 |
| b. Master Trainers / peer educators | | | | 10010 |
| | | 64 | 0 | 64 |
| Ambujanagar Ambujanagar | | | | |
| a. No of institute | A.C. | | | |
| b. No of batches / courses | No | 3 | 0 | 3 |
| c. Entrepreneurs trained under SEDI / ITI | No | 910 | 17 | 327 |
| d. No of trainees placed | No | £106 | 310 | 6416 |
| e. No of trainees persuing (Continuation) | No | 4755 | 90 | 4845 |
| Women and Youth Development | | | 409 | 409 |
| a. No of SHG formed | | | | THE WILLIAM |
| | No | 778 | 74 | 852 |
| No of members | No | 9393 | 766 | 10159 |
| b. Training & Exposure (women) | No | 1371 | 216 | 1587 |
| No of participants | No | 48260 | 3339 | |
| Training & Exposure (Youth) | 110 | 90 | | 51599 |
| No of participants | No | | 6 | 96 |
| d. No of Federations Formed | No | 5112 | 71 | 5183 |
| Rural Infrastructure Development Programme | No | 1 | 0 | 1 |
| a. Construction of CC Roads/Paver block roads / Village Roads | b1 / b2 | | | |
| b. Street Light installation | No / Mtrs | 93962.4 | 4056 | 98018.4 |
| c. Drainage construction | No | 411 | 120 | 531 |
| d. Crematorium / Ghats construction/ Drinking water facilities | Mirs | 1075 | 0 | 1075 |
| Community Contract Construction/ Unfixing water facilities | No | 34 | 2 | 36 |
| Community Centre construction / School classroom | No | 135 | 1 | 136 |
| f. Support for Social and Cultural Events | No | 308 | | 308 |
| g. House repairing | No | 0 | | 0 |
| h. Construction of culverts / bridge | No | 16 | - 1 | 17 |
| j.Construction of new School / school repairing | No | 5 | | |
| K. No of villages covered | No | 69 | | 5 |
| Loonst of compoundwall for common area | Rmt | - material and a second | | 69 |
| Gir Forest Conservation project | F 85 155 | 1695 | | 1695 |
| Construction of Parapet wall around wells to protect wild animals | No | 1957 | O | 4000 |
| Krishi Vigyan Kendra - Kodinar | | 1 WOI | U | 1957 |
| a. No of villages covered | NI- | 0.00 | | |
| b. No of farmers trained | No | 310 | | 310 |
| c. No of technology transferred (FLD) | No | 128535 | 2892 | 131427 |
| d. No of technology tested (OFT) | No | 288 | 15 | 303 |
| Over all coverage | No | 100 | 5 | 105 |
| a.No of villages | | Committee of the last of the l | | |
| h Append Maria December 1991 | No | 510 | 38 | 548 |
| b Approx No of People benefited | No | 1042995 | 92754 | 1135749 |
| KVY III programmes | | | Charles and the same of | 1130148 |
| a. IPM_INM&IDM practice adopted | Acre | 67757 | | A-20 |
| b.Soil testing | Farmers | 3389 | | 67757 |
| c. Village information centre | | | | 3389 |
| d. SMS base agri, information system 3 SMS/month | Villages | 36 | | 36 |
| Community safety awarress programmes | Farmers | 31645 | | 31645 |
| Community Safety | | | | |
| Total participant in community safety | No | 1277 | 8 | 1285 |
| | No | 49742 | 719 | - 100 N/ Ne |

