

MCW / ENV /19 / 2024/

25.11.2024

To,
The Scientist E, IA - (Non-Coal Mining)
The Ministry of Environment & Forest & Climate Change
2nd Floor, Pritivi Block
Jor Bag Road, Aliganj,
New Delhi- 110003

Sub: Submission of half yearly EC compliance report for Maratha Limestone Mine (ML-III) for the period of April 2024 to September 2024 by M/s Ambuja Cements Ltd. (Unit: Maratha Cement Works, Upparwahi), Chandrapur (Maharashtra).

Ref: EC no. J-11016/11/2024-IA-II(M) dated 06.01.2005. Revalidation of EC identification No. EC22B001MH193507, File No. - SIA/MH/MIN/66467/2018 dated 06.08.2022

Dear Sir,

Kindly refer to the above subject matter and referred EC letter; we are submitting herewith six-monthly compliance report for the Period of April 2024 to September 2024 for the various conditions stipulated in above referred EC. We are sending the EC compliance report through email on following address moef@nic.in, monitoring-ec@nic.in, ccb.cpcb@nic.in, mscb.cpcb@nic.in, rochandrapur@mpcb.gov.in, ms@mpcb.gov.in, pratik.cpcb@gov.in, apccfcentral-ngp-mef@gov.in

We hope that you will find this information in order please.

**For Ambuja Cements Ltd.
(Unit- Maratha Cement Works)**



**Mahender Singh Rathore
Unit Head**

Encl:- as above.

Copy :

1. The Member Secretary, Central Pollution Control Board, Survey No. 110, Dhankude Multipurpose Hall (PMC), Near Fab India, Baner Road, Baner, Pune – 410045
2. The Regional Officer, Maharashtra Pollution Control Board, Udyog Bhawan, 1st Floor, Railway Station Road, Chandrapur (MH)
3. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Points, 4th Floor, Matunga Scheme, Road No.8, Opp. Sion Circle, Mumbai.
4. The Regional Director, Ministry of Environment, Forest & CC, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur-440001

Ambuja Cements Ltd

(Unit – Maratha Cement Works)

At Post : Upparwahi – 442908, Taluka – Korpana, Dist. - Chandrapur (M.S.)

Tel. : 07173 – 240015 to 20. Fax : 07173 – 240025/240009

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CIN: L26942GJ1981PLC004717

Section 1. Provisions relating to the establishment of a new
department of health and human services.

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**COMPLIANCE STATUS OF MoEFCC EC CONDITIONS OF
0.5 MILLION TON / ANNUM OF MARATHA LIMESTONE MINES (ML- III)
Period from 01.04.2024 to 30.09.2024**

(EC Identification No. EC22B001MH193507, Date of Issue EC - 06.08.2022)

| SN | Condition | Status/Report |
|-----------|---|---|
| A. | Specific Conditions: SEAC Conditions- | |
| 1. | PP to obtain permission from the water Resource department for lifting water from Pagdiguddam dam. | Complied. Permission obtained from Irrigation department, Govt. of Maharashtra for lifting water from Pagdiguddam dam. |
| 2. | PP proposes to develop green belt in the premises by planting 568635 nos. of indigenous trees with provision of drip irrigation. | Complied. Limestone mine is surrounded with other existing mining leases. Till date Around 393336 trees have been planted in the total mining lease area including ML-I, ML-II & ML-III. The density of plantation is 2498 plant/Ha. |
| 3. | PP take utmost care while closing the mine pit to avoid any unforeseen accident. | Noted. Mine pit will be closed with utmost care as per IBM guidelines. |
| 4. | PP to appoint qualified foreman as a Mine Manager approved by Director General of Mine to ensure safety of the staff / labours appointed at mine site. | Complied. Mine manager appointed as per DGM guidelines to ensure safety of the staff / labours appointed at mine site. |
| 5. | PP to prepare adequate capacity approach roads to the proposed mine area so as to ensure safe plying of the heavy vehicles engaged on mine site for transport of mined material and to avoid any unforeseen accident. PP to plant trees along the road. | Complied. Adequate capacity approach roads to the mine area has been developed to ensure safe plying of the heavy vehicles engaged on mine site for transport of mined material and to avoid any unforeseen accident. Trees have been / are being planted along the road. |
| 6. | PP to provide movable toilets/ bio toilets to the workers working in the area and the sewage generated shall be properly collected and so as to confirm to the standards prescribed by MoEF & CC and CPCB. | Complied. STP has been provided for treatment of sewage generated from mines area and it confirms to the standards prescribed by MoEF & CC and CPCB. |
| 7. | PP to provide First Aid Facility at the proposed mining site. | Complied. Occupational Health Centre (OHC) has been established to provide health care facility to the employees and workers working at the mining site. |
| 8. | PP to implement mine closure plan as approved by the competent Authority. PP to provide adequate strength fencing to the mining lease area to ensure safety of animals and humans. | Complied. Mine closure plan will be implemented as approved by IBM. Safety of animals and humans will be ensured in the mining lease area. |
| 9. | The mining lease holder shall, after ceasing mining operations, undertake re-grassing the mining area | Noted. Mining closer plan will be implemented as approved by IBM after ceasing of mining |

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| | and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna, etc. | operations. |
| 10. | PP to obtain all necessary NOC's / Permissions from the competent Authority before commencing any work on proposed site. | Complied. This is an operational mine, and all necessary NOC's / Permissions has been obtained from the competent Authority for mine operations. |
| 11. | PP to ensure that no mining shall be done below the depth as approved in the mining plan. | Noted. Mining will be done as per approved mine plan. |
| 12. | PP to ensure that, the quarrying is proposed above the level of aquifer to avoid the ground water contamination/ degradation of water quality of aquifer. PP to take adequate measures / precautions to avoid contamination/degradation of ground water. | Complied. Adequate measures / precautions will be taken to avoid contamination / degradation of ground water. |
| 13. | PP to ensure no natural water stream is diverted due to proposed quarrying activity. | Complied. No natural water stream will be diverted due to quarrying activity. |
| 14. | PP to ensure that mining / loading activity shall be restricted to day hours' time only. No mining activity shall be carried out after sunset and before sun rise. | Complied. Mining activity is being done as per approved mine plan by IBM. |
| 15. | PP to provide adequate channels to guide the rainwater to reach the mined pit and to avoid any unforeseen incident. | Complied. Rainwater is channelized to mine pit to avoid any unforeseen incident. |
| 16. | PP to adhere to the provisions stipulated Maharashtra Minor Mineral Extraction (Development and Regulation) Rules, 2013, guidelines issued by MoEF & CC and any other legal requirements as applicable to the proposed activity. | Noted. |
| 17. | PP to ensure strict compliance of all conditions stipulated in the Environmental Clearance. | Noted. Conditions stipulated in the Environmental Clearance is being complied. |
| 18. | PP to ensure that there is no damage to any fauna and its nesting close to the proposed mining area. | Noted. No damage to any fauna and its nesting done due to mining activity. |
| 19. | PP to ensure that, the overburden be stored on site and shall be used for refilling of mine pit. | Complied. Overburden is stored on site and will be used as per approved mining plan as and when required |
| 20. | PP to ensure that adequate measures like maintenance of road, sprinkling of water and plantation is carried out to reduce the dust particulate matter pollution. | Complied. Adequate measures like maintenance of road, sprinkling of water and plantation is being regularly carried out to reduce the dust particulate matter pollution. |
| 21. | PP to ensure that public road are not used for parking purpose. Parking shall be on pre decided place only. | Noted. Public road will not be used for parking purpose. Vehicles are being parked at designated parking area. |

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| 22. | The transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. | Noted. The transportation carried out through the covered trucks only and ensure that vehicles carrying the mineral will not be overloaded. |
| 23. | PP to provide solar energy, Gents/Ladies sanitation, safe drinking water facility in the ZP School in village Sonapur, Thutra from their CER funds in consultation with the District Authority. | Complied. Our CSR wing ACF is working in the nearby villages including Sonapur and Thutra and providing all necessary support to the ZP schools in consultation with the concerned authority. |

CSR activities are common for cement plant, ML-I, ML-II and ML-III, details are given below:

| S.N. | Name of Village | Financial Year | Details of works along with budget spent on CSR activities under* | | | | Total amount in Lakhs |
|------|--|----------------|---|-----------|--------------------------------------|----------------------|-----------------------|
| | | | Health | Education | Environmental Improvement/ awareness | Any other activities | |
| 1 | Kukudsath, Lakhmapur, Upparwahi, Bhendavi, Sonapur, Saleguda, Kargao Kh, Dhanakdevi, Markagondi, Kargao Buj, Nandgao, Ekodi, Bhoyegaon, Kawthala, Mangi Bhuj, Hardona KH, Isapur, Hirapur, Pimpalgao, Thutra | 23-24 | 69.16 | 95.11 | 70.47 | 149.83 | 384.57 |
| 2 | Kukudsath, Lakhmapur, Upparwahi, Bhendavi, Sonapur, Saleguda, Kargao Kh, Dhanakdevi, Markagondi, Kargao Buj, Nandgao, Ekodi, | 22-23 | 74.24 | 92.74 | 89.33 | 105.33 | 361.64 |

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|---|---|-------|-------|-------|-------|--------|--------|
| | Bhoyegaon, Kawthala, Mangi Bhuj, Hardona KH, Isapur, Hirapur, Pimpalgao, Thutra | | | | | | |
| 3 | Kukudsath, Lakhmapur, Upparwahi, Bhendavi, Sonapur, Saleguda, Kargao Kh, Dhanakdevi, Markagondi, Kargao Buj, Nandgao, Ekodi, Bhoyegaon, Kawthala, Mangi Bhuj, Hardona KH, Isapur, Hirapur, Pimpalgao, Thutra | 21-22 | 50.15 | 49.17 | 40.47 | 108.96 | 248.75 |
| 4 | Kukudsath, Lakhmapur, Upparwahi, Bhendavi, Sonapur, Saleguda, Kargao Kh, Dhanakdevi, Markagondi, Kargao Buj, Nandgao, Ekodi, Bhoyegaon, Kawthala, Mangi Bhuj, Hardona KH, Isapur, Hirapur, Pimpalgao, Thutra | 20-21 | 61.95 | 59.47 | 59.33 | 72.86 | 253.61 |
| 5 | Kukudsath, Lakhmapur, Upparwahi, Bhendavi, Sonapur, Saleguda, | 19-20 | 67.56 | 69.9 | 92.95 | 57.20 | 287.61 |

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| | Kargao Kh, Dhanakdevi, Markagondi, Kargao Buj, Nandgao, Ekodi, Bhoyegaon, Kawthala, Mangi Bhuj, Hardona KH, Isapur, Hirapur, Pimpalgao, Thutra | | | | | | | |
| 24. | The District collector shall ensure proper approach road to the proposed quarry area before granting final lease. | Complied. This is a working mine and proper approach road is available to quarry area. | | | | | | |
| 25. | If the proposed stone quarry mining site is situated within distance of 10 KMs from the Notified Wildlife Sanctuary, then, The District Collector shall ensure that, final mining lease to the PP is issued only after clearance from concern Competent Authority of Forest Department (Wildlife) for cutting of trees and non – forest use of the land. | Noted. No, Notified Wildlife Sanctuary is situated within a distance of 10 kms from the mining lease area. | | | | | | |
| | SEIAA Conditions: | | | | | | | |
| 1. | PP to ensure that, there shall not be any adverse effect on neighboring cultivable agricultural land. | Noted. Proper and adequate measures will be taken to ensure that, there is not any adverse effect on neighboring cultivable agricultural land. | | | | | | |
| 2. | PP to ensure additional air quality monitoring station around the periphery of nearest human settlements. | Complied. We have installed one Ambient Air quality monitoring station in northwest direction. Apart from that we have also installed four AAQ station in other directions. We have also installed three nos. of continuous ambient air monitoring stations in consultation with MPCB. | | | | | | |
| 3. | PP to ensure that, as submitted in detail in SEIAA meeting, all mitigation and monitoring measures to be followed especially around the vicinity of nearest Village/ human settlements. | Complied. All mitigation and monitoring measures are followed especially around the vicinity of nearest Village / human settlements. | | | | | | |
| 4. | Blasting, crushing and transportation of crushed material should be carried out under covered conditions to avoid any kind of dust pollution. | Complied. For transportation of material, Permanent water sprinkling system has been installed along the haul road & Water sprinkling on haulage roads regularly done through Water tanker, which have been installed by modification of a BEML dumper. Control Blasting adopted to reduce dust generation, | | | | | | |

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| | | and in crusher area automatic water spray system has been installed. |
| 5. | PP shall employ dust suppression measures by use of water sprinklers, foggers etc. | Complied. Permanent water sprinkling system has been installed along the haul road & Water sprinkling on haulage roads regularly done through Water tanker, which have been installed by modification of a BEML dumper. |
| 6. | No hill cutting should be allowed during the quarrying. | Noted. No hill exists in this ML area; the area is more or less and topographically flat in nature. |
| 7. | PP shall undertake to plant 1240 number of trees along lease boundary in the 7.5 m safety belt & 635 numbers of trees shall be planted. PP to ensure that trees should be of 12-24 months old having 6-8 ft height of indigenous species to ensure shade, greenery and air pollution mitigation measures. | Complied. The mining lease area is contiguous with the other two leases of Maratha Limestone Mine. The three leases are operated as a single mine. The mining lease area is mineral bearing and the entire area is under active mining zone. As such no green belt is proposed in the lease area. However, Plantation and greenery development as envisaged in the other two leases will be undertaken. |
| 8. | PP to submit images of the tree plantation as above with latitude-longitude (lat-long) to the DMO/ District collector every quarter, capturing number of trees, growth & survival of trees. | Complied. The mining lease area is contiguous with the other two leases of Maratha Limestone Mine. The three leases are operated as a single mine. The mining lease area is mineral bearing and the entire area is under active mining zone. As such no green belt is proposed in the lease area. However, Plantation and greenery development as envisaged in the other two leases will be undertaken. The plantation details are submitted regularly to the concerned authority regularly. The plantation details enclosed as Annexure - 1 . |
| 9. | PP to ensure 100% survival of trees, in case of any non-survival compensatory plantation should be taken up. | Complied. Effort is being done to increase the 100% survivals of trees; However, in case of any non-survival, gap filling plantation will be done. |
| 10. | DMO to ensure SEAC & SEIAA conditions strictly complied with. | Noted. |
| 11. | District collector to personally ensure by devising suitable Standard Operating procedure (SOP) for - | Noted. |
| a. | Quantity of excavation does not exceed approved quantity as certified by Deputy Director, Directorate of Geology & Mining Department, and Government of Maharashtra. | Complied. Excavation is done for the approved Quantity only. |

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| b. | Strict observance of terms and conditions imposed by Explosive Department. | Complied. Terms and conditions of Explosive Departments are being complied off. |
| c. | Strict observance of conditions 7 and 8 above. | Noted. |
| | General Conditions: | |
| I. | The validity period of the EC will be for 7 years as per MoEF & CC Notification dated 29th April 2015 but limited to period of lease. | Noted. |
| II. | No hill cutting should be allowed during the quarrying. No aquifers should be disturbed either by blasting or by quarrying. | Noted. No hill exists in this ML area; the area is more or less and topographically flat in nature. |
| III. | Blasting Crushing & transportation of crush material should be carried out under covered conditions to avoid any kind of dust pollution. | Complied. Permanent water sprinkling system has been installed along the haul road & Water sprinkling on haulage roads regularly done through Water tanker also. |
| IV. | PP shall employ dust suppression measures by use of water sprinklers, foggers, etc. | Complied. Permanent water sprinkling system has been installed along the haul road & Water sprinkling on haulage roads regularly done through Water tanker also. |
| V. | The PP shall undertake 2 rows of tree plantation along the lease boundary. Dust absorbing trees shall be planted. | Complied. The mining lease area is contiguous with the other two leases of Maratha Limestone Mine I and II. The three leases are operated as a single mine. The mining lease area is mineral bearing and the entire area is under active mining zone. As such no green belt is proposed in the lease boundary area. However, Plantation and greenery development as envisaged in the other two leases is undertaken. |
| VI. | Quarrying allowed only in the recharge zone of hills, not in run off or storage zone. For this purpose, GSDA should be involved to carry out intensive geophysical survey to indentify such recharge zone where quarrying can be allowed. | Noted. The area where mining activities are in progress is topographically flat in nature. |
| VII. | The mining plan shall be approved first before initiating any mining operation. | Complied. Mining plan approval obtained before starting the mining operations as per rules, now it is being revised once in every five years as per IBM guidelines. |
| VIII. | Discharge of sewage from quarry sites should be strictly controlled. | Complied. There is no sewage discharge from quarry sites, STP provided for treatment of sewage. |
| IX. | The quarries to maintain benches of 60 slope in the cut, 6 m depth in cut and 6 m for the bench. No dumping of material shall be allowed in the water | Complied. We strictly follow scientific mining practices & benches are maintained as per MMR guidelines. |

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| | resources of Nallas. | |
| X. | No quarrying should be allowed in the run of zone of hilly areas. | Noted. No hill exists in this ML area; the area is more or less and topographically flat in nature. |
| XI. | After mining extraction is completed, the existing pit on site must be filled up and the closure must be supervised and certified by the District Mining Officer. | Noted. After mining extraction is completed, the mining closer plan will be implemented. |
| XII. | No quarry shall be allowed within safe distance from any habitation or human activity. | Noted. There is no habitation or human activity present in the adjoining area of the lease boundary. |
| XIII. | District Collector will take bank guarantee of Rs. 200000/- OR upto 2% of the annual royalty, whichever is higher, for the given lease holder to ensure the compliance of the conditions stipulated. In case of violation of stipulated conditions by project proponent bank guarantee so obtained shall be forfeited and legal action under the law should be initiated against such project proponent. | Noted. |
| XIV. | It shall be ensured that there is no fauna dependent on the area close to mining for its nesting. | Noted. There is no fauna dependent on the area close to mining for its nesting. |
| XV. | To prevent dust / particulate matter pollution, the lease holder shall take up tree plantation in an area 10 m from the boundary of the lease area and also on either side of the road leading to the quarry from the already surface road. | Complied. The mining lease area is contiguous with the other two leases of Maratha Limestone Mine. The three leases are operated as a single mine. The mining lease area is mineral bearing and the entire area is under active mining zone. As such no green belt is proposed in the lease area. However, Plantation and greenery development as envisaged in the other two leases will be undertaken. To control dust emission permanent water sprinkling system has been installed along the haul road & Water sprinkling on haulage roads regularly done through Water tanker also. |
| XVI. | District Collector to ensure that the provisions stipulated in Maharashtra Minor Minerals Extraction (Development and Regulation) Rules shall be strictly adhered to. | Noted. We are carrying out Limestone mining and it falls under Major mineral category. |
| XVII. | The configuration of benches should be 60 degrees slope in the cut, 6 mt depth for cut and 6 mt. Width for the bench. PP shall ensure that no quarrying is carried out in forest or zudpi jungle No water sources shall be affected due to quarrying activity. All labor | Complied. We strictly follow scientific mining practices & benches are maintained as per MMR guidelines. There is no forest area within the mining lease. All labor engaged in quarrying is being provided |

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| | engaged in quarrying will be provided with protective gears like mask, helmets, boots etc. | with protective gears like mask, helmets, boots, etc. |
| XVII I. | District Collector to ensure that distance between one lease area and another lease area or clusters of lease area is more than 500 m. | Noted. |
| XIX. | Project Proponent to ensure that vehicles transporting stone should not be overloaded beyond started capacity also to ensure that there is no violation of the Hon'ble NGT, Hon'ble Supreme Court order given in related matters. | Complied. Weight-o-meter has been installed in the Dumper cabin by OEM (Original equipment manufacturer) to ensure that the vehicles are not overloaded. |
| XX. | PP to prepare Mine closure plan and get it approved by the competent authority, PP will be held responsible personally for non-compliance of the conditions stipulated in the Environmental clearance and shall be liable for legal action under Environment (Protection) Act of 1986. | Noted. Mine closure plan already approved from IBM along with the review of mining plan. |
| XXI. | Transport of stone should be by vehicles which are properly covered with Tarpaulin and it should not be overloaded. | Noted. The transportation will be carried out through the covered trucks only and the vehicles carrying the mineral will not be overloaded. |
| XXII. | The lease holder shall undertake adequate safeguard measures during extraction of material and ensure that due to the activity, the hydro-geological regime of the surrounding area is not affected. The depth of quarrying should be above the levels of aquifers to avoid the contamination/ degradation of water quality of aquifers. Regular monitoring of ground water level and quality shall be carried out around the mine lease area during the mining operation. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out. District Collector / mining officer shall ensure this. | Complied. Adequate measures / precautions will be taken to avoid contamination / degradation of ground water. Groundwater level and quality regularly monitored. |
| XXIII | Effective safeguards, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Water sprinkling shall also be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. The status of implementation of measures taken shall be reported to Environment Department. | Complied. To control fugitive emission, we are using Drill machine with inbuilt dust extraction system. Regular water spraying on haul roads and crusher hopper to control the fugitive dust. We have provided permanent water sprinklers on the mine's road. The fugitive emission monitoring report is given below. AAQMS established with approval of MPCB and regular monitoring being done and reports submitted to MPCB & MoEFCC on periodical basis. Summary is enclosed in Annexure- 2 . |

Six Monthly Average Values of Fugitive Emission Monitoring
(From April - 2024 to September -2024)

| Sr.NO. | Location | SPM in ($\mu\text{g}/\text{M}^3$) | CPCB Standard ($\mu\text{g}/\text{M}^3$) |
|--------|--------------------------|-------------------------------------|--|
| 1 | Limestone stockpile area | 1003 | 5000 |
| 2 | Near Mines Site Office | 866 | |
| 3 | Mines Haul Road | 2061 | |
| 4 | Near Limestone Crusher | 1455 | |

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| XXI V. | This Environmental clearance is issued subject to obtaining NOC from Forestry & Wildlife angle including clearance from the standing committee of the National Board for Wildlife as if applicable & this environment clearance granted does not necessarily implies that Forestry & Wildlife clearance granted to the project which will be considered separately on merit. | Noted. No forest land exists in this mining lease. |
| 4. | The Environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him. If any or action initiated under EP Act. | Noted. |
| 5. | In case of submission of false document and noncompliance of stipulated conditions, Authority / Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act 1986. | Noted. |
| 6. | The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason. | Noted. |
| 7. | Validity of Environment Clearance; The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended from time to time. | Noted. |
| 8. | In case of any deviation or alteration in the project proposed from those submitted to this department from clearance, a fresh reference should be made to the department to assess the adequacy of the condition (s) imposed and to incorporate additional | Noted. |

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| | environmental protection measures required, if any. | |
| 9. | The above stipulations would be enforced among others under the Water (prevention and Control of Pollution) Act 1981, and Environment (Protection) Act 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments. | Noted. |
| 10. | Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune). New Administrative Building, 1st Floor, D Wing, Opposite Council Hall, Pune, if preferred within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010. | Noted. |

Top soil Conservation And Over burden dump site stabilization

Top soil of mine out area collected stacked for further utilization of topsoil for slope stabilization.



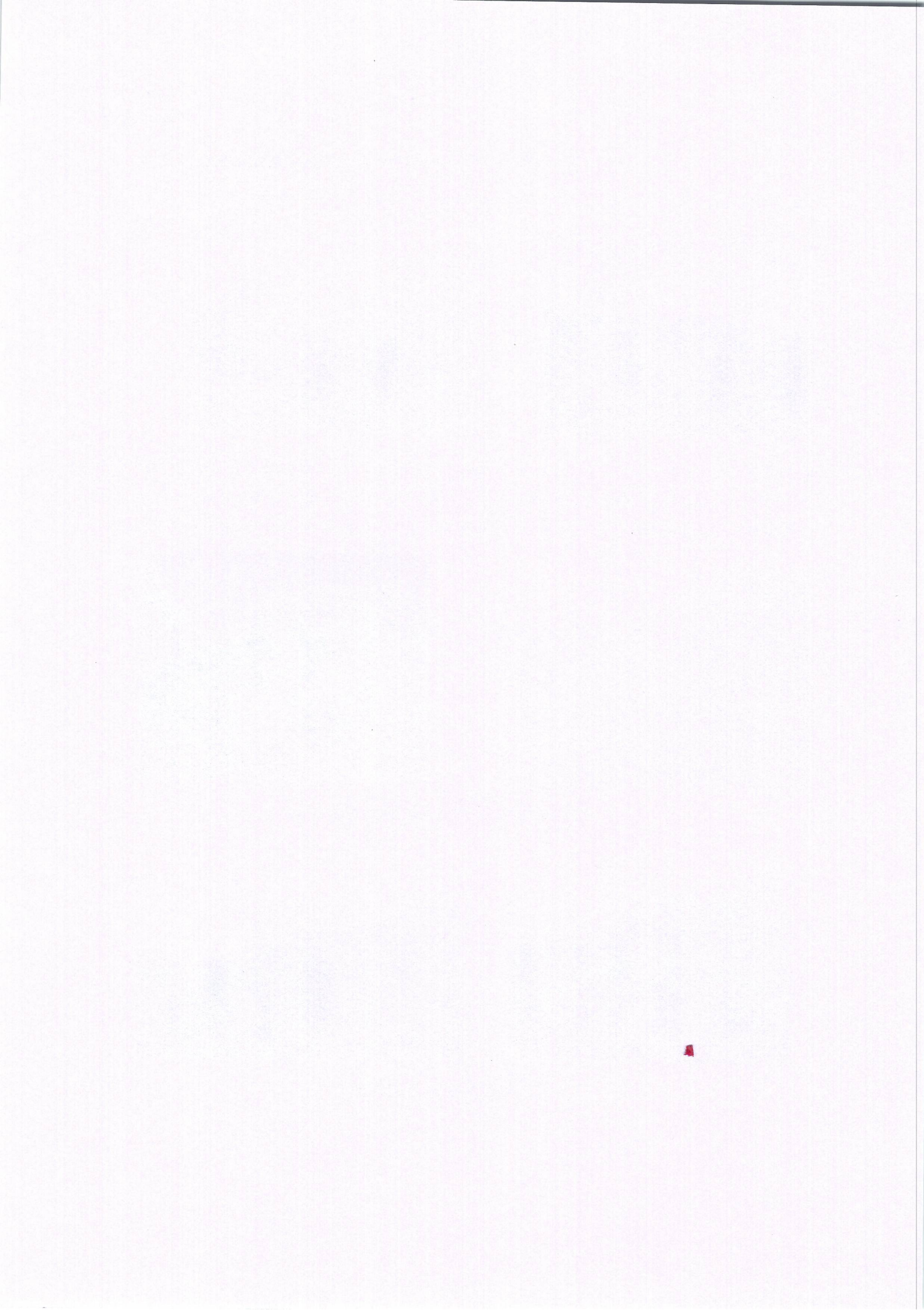
Special Initiatives has been taken for top soil conservation and over burden dump stabilization. Overburden dump of limestone mines has been vegetated by covering with topsoil and tree plantation. The overburden dump has been covered with coconut fibre blanket which helps to bind the soil for plantation.



Dump Stabilization activity under process



Stabilized Dump slope



Ambuja Cements Ltd.
 (Unit: - Maratha Cement Works, Upparwahi)
Air Quality Monitoring Results
 For Captive Limestone Mines, Cement Plant and Captive Power Plant
Six Monthly Average Values of Ambient Air Quality
(From April 2024 to September 2024)

| SN | Months | Ambient Air Quality Results ($\mu\text{g}/\text{m}^3$) | | | | | | | | | | | | | | | | | | | |
|----|--------------|--|-------|------|-------|-----------------------------|-------|------|-------|--------------|-------|------|-------|-----------------------|-------|------|-------|-----------------|-------|------|-------|
| | | House (L- Type) | | | | Near Bachelor Accommodation | | | | L.S. Crusher | | | | Near magazine Section | | | | Near Water Pond | | | |
| | | PM2.5 | PM10 | Sox | Nox | PM2.5 | PM10 | Sox | Nox | PM2.5 | PM10 | Sox | Nox | PM2.5 | PM10 | Sox | Nox | PM2.5 | PM10 | Sox | Nox |
| 1 | April, 2024 | 34.28 | 70.16 | 9.24 | 14.28 | 33.21 | 70.67 | 9.17 | 14.17 | 35.06 | 75.08 | 8.84 | 16.75 | 27.9 | 52.32 | 9.15 | 15.25 | 81.3 | 36.48 | 9.25 | 15.78 |
| 2 | May, 2024 | 32.45 | 74.07 | 8.33 | 14.48 | 38.26 | 77.61 | 8.84 | 15.41 | 35.54 | 76.7 | 8.66 | 15.15 | 27.9 | 58.74 | 8.09 | 14.5 | 35.12 | 84.4 | 8.34 | 16.64 |
| 3 | June, 2024 | 36.08 | 73.83 | 8.24 | 13.56 | 32.16 | 75.22 | 8.92 | 15.22 | 30.98 | 73.17 | 8.06 | 13.2 | 29.6 | 66.38 | 8.24 | 14.58 | 33.36 | 79 | 8.77 | 15.83 |
| 4 | July, 2024 | 25.74 | 60.57 | 8.06 | 12.92 | 23.52 | 61.86 | 8.13 | 13.23 | 25.22 | 63.54 | 8.02 | 13.47 | 21.35 | 55.62 | 7.69 | 15.37 | 26.64 | 65.24 | 8.54 | 14.13 |
| 5 | August, 2024 | 23.32 | 52.85 | 8.22 | 12.80 | 27.33 | 53.98 | 8.22 | 12.73 | 25.6 | 57.56 | 8.33 | 13.9 | 18.36 | 43.51 | 7.1 | 12.02 | 24.77 | 56.88 | 8.48 | 11.37 |
| 6 | Sept, 2024 | 24.57 | 60.91 | 8.3 | 14.1 | 28.22 | 59.7 | 8.5 | 13.52 | 29.12 | 63.12 | 8.33 | 14.12 | 24.42 | 56.12 | 7.76 | 12.3 | 30.42 | 63.05 | 8.29 | 14.26 |

Note: - All the values are Monthly Average Values.

