

Ambuja Cement

Ref: ACL/BYT/ENV/HECR/2020-21/85

Date: 18.05.2020

To,

The Additional Principal Chief Conservator of Forests

Ministry of Environment, Forest & Climate Change

Regional Office (West Central Zone), Ground Floor, East Wing

“New Secretary Building” Civil Lines, Nagpur-440001

Sub: Submission of Half Yearly Environment Clearance compliance report along with Environmental Monitoring report period **Oct.-2019 to March-2020** for Maldi- Mopar Limestone .

Ref: Environment Clearance letter no. J-11015/252/2008-IA.II (M) dated 13th August, 2010.

Dear Sir,

Please find the enclosed herewith six monthly Environment Clearance compliance report along with monthly Environmental Monitoring report from **Oct.-2019 to March-2020**, for our Maldi- Mopar Limestone Mine located at Maldi, Mopar, Devrani, Karmadih and Boirdih Village, Balodabaza Tehsil, Balodabaza Distt. Chhattisgarh .

This is for your kind information and record.

Thanking you.

Yours Sincerely,

For Ambuja Cements Limited

(Unit: Bhatapara)



Pankaj Lochan

Manufacturing Cluster Head (East)

Suj

Encl.: Six Monthly Environment Clearance Compliance report **Oct.2019 to March -2020**.

Copy to:

1. **Central Pollution Control Board**, Zonal Office, Sahkar Bhawan, North T.T. Nagar, Bhopal - 462003.
2. The Member Secretary, **Chhattisgarh Environment Conservation Board**, Paryavas Bhavan, North Block Sector-19, Atal Nagar (C.G.) 490099.
3. The Regional Officer, CECB, Kabir Nagar Commercial Complex, **Chhattisgarh Housing Board Colony**, Kabir Nagar, Raipur (C.G.).

AMBUJA CEMENTS LIMITED

(Unit - Bhatapara)

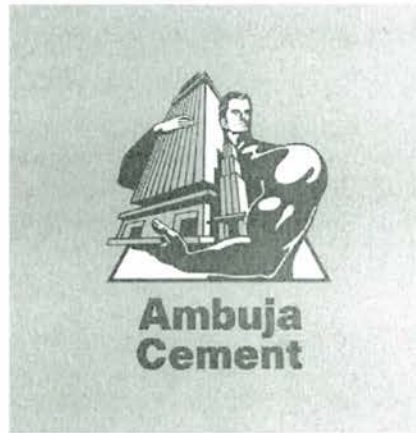
Vill & PO. : Rawan, Dist.: Baloda Bazar, - 493 331 (C.G.), Ph.: 07727-220010 to 15, Fax: 220004
(Regd. Office: PO: Ambuja Nagar, Taluka: Kodinar, District: Junagarh, Gujarat, 362715)

Environment Clearance Compliance Report
For
(October 2019 to March -2020)

Of

Maldi-Mopar Limestone Mine
(Capacity: 2.0 MTPA, ML Area: 553.656 Ha.)

Located at
Maldi, Mopar, Devrani, Karmadih and Boirdih Villages,
P.O. Rawan, Tehsil-Baloda Bazar,
District-Baloda Bazar - Bhatapara, Chhattisgarh



M/s AMBUJA CEMENTS LTD.
(Unit-Bhatapara)
P.O.: Rawan Dist. :Baloda Bazar - Bhatapara

Chhattisgarh - 493331, India

Vide Environment Clearance no. J-11015/252/2008-IA.II (M) Date: 13th August, 2010

Sr. No.	EC Conditions	Compliance Status
A. Specific Conditions		
i.	The environmental clearance is subject to approval of the State land use Department or concerned Authority in the State, Government of Chhattisgarh for diversion of agricultural land for non-agricultural use.	Complied Government land diversion notification enclosed as Annexure-I
ii.	The project proponent shall obtain prior Consent to Establish and Consent to Operate from the Chhattisgarh Environment Conservation Board and effectively implement all the conditions stipulated therein.	Complied. CTE have been obtained from CECB, Raipur vide letter no. 3056/TS/CECB/2012 Raipur, dated: 06.09.2018 and CTO vide letter No. 8847 /TS/CECB/ 2020 Nava Raipur Atal Nagar, Dated 04 /01 / 2020 valid up to dated 31.12.2020. Annexure-II
iii.	The top soil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The top soil shall be used for land reclamation plantation and green belt development.	Being complied. Temporarily top soil stored as per approve mine plan which is utilizing for land reclamation plantation and green belt development.
iv.	Catch drains and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment directly into the agricultural fields, rivers and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly de-silted particularly after the monsoon and maintained properly. Garland drain (size, gradient and length) shall be constructed for the mine pit to prevent run off of water and flow of sediments directly into the agricultural fields rivers and other water bodies and sump capacity should be designated keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow	Complied

Sr. No.	EC Conditions	Compliance Status
	proper settling of silt material. Sedimentation pit shall be constructed at the corners of the garland drains and de-silted at regular intervals.	
v.	Dimension of the retaining wall at the toe of solid waste benches within the mine to check run-off and siltation should be based on the rain fall data.	Complied Photograph of retaining wall at the toe of solid waste benches enclosed as Annexure-III
vi.	Plantation shall be raised in an area of at least 54.15 ha including a 7.5m wide green belt in the safety zone around the mining lease, around the water body, reclaimed area, mine benches, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2000-2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.	Being complied. Phase wise green belt development work is under progress as per IBM approved Mine plan. Plantation of Native species around 2000-2500 plants per ha in consultation with the local DFO/Agriculture Department Annexure-IV
vii.	The excavated area of 497.396 ha. left unfilled shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.	Noted and same will be compiled at the end of life of mine.
viii.	Effective safeguard measures, 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 mineral handling area, around loading and unloading point and all transfer points. Extensive water sprinkling shall 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.	Noted and Complied. Adequate air pollution control measures such as regular water sprinkling on haul road, loading and unloading points and all the transfer points adapted to control dust emission, Annexure-V We are doing the AAQM as per NAAQ2009 in core and buffer zone, monitoring report is enclosed Annexure-VI

Sr. No.	EC Conditions	Compliance Status
ix.	The project authority should implement suitable water conservation measures including rainwater harvesting on long term basis to augment ground water resources in the area and work out a detailed scheme in consultation with the Regional Director, Central Ground Water Board/Central Ground Water Authority and submit a copy of the same to the Ministry of Environment and Forests and its Regional Office, Bhopal.	<p>Complied</p> <p>Two ground water recharging structure has been constructed with consultation of regional office CGWB photo graphs enclosed as Annexure-VII</p> <p>Also rain water harvesting structures have been constructed in the nearby villages to augment ground water.</p>
x.	Limestone from mines to Crushing plant shall be transported through covered dumpers up to crusher plant and from crusher plant to cement plant by conveyor belt and no other mode of transportation shall be used.	<p>Complied</p> <p>Transportation of limestone by dumper from mine to crusher and then by pipe conveyor to plant.</p> <p>Annexure-VIII</p>
xi.	Necessary safeguard measures shall be taken to ensure that the resultant particulate level in the area is well within the prescribed limit.	<p>Complied.</p> <p>Adequate air pollution control measures have been adopted in the mines to control dust emission. Ambient Air monitoring report is enclosed as Annexure-VI</p>
xii.	The details of project affected peoples (Land ousters / other affected peoples) shall be submitted to the R.O. Office of this Ministry at Bhopal and to the Ministry within 30 days from the issue of this letter. The project affected peoples shall be Rehabilitated and compensated as per the National Rehabilitation and Resettlement policy, 2007 in consultation with the State Government. Detailed Plan shall be prepared in this regard within 3 months and a copy of the same be submitted to Regional Office of this Ministry at Bhopal and to the Ministry immediately.	<p>Noted.</p> <p>There was no settlement in the mine lease and peoples are not affected from our mining project, so that National Rehabilitation and Resettlement policy, 2007 not applicable.</p>
xiii.	Land-use pattern of the nearby villages shall be studied, including common property resources available for conversion into productive land. Action plan for abatement and compensation for damage of agricultural land/common property land (if any) in the nearby villages, due to mining activity shall be prepared and implemented.	<p>Noted & complied</p> <p>At the time of EIA study land use pattern of 10 km radius with respect to mine lease studied. Agriculture and common property was not affected from mining activities.</p>

Sr. No.	EC Conditions	Compliance Status
xiv.	The project authorities should undertake sample survey to generate data on pre-project community health status within a radius of 3 km from proposed mine. 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.	<p>Complied</p> <p>Periodic health and hygiene survey is being conducted in villages around the Maldi-Mopar mine lease area in 3km.</p> <p>Pre-placement medical examination and periodical medical examination of the workers engaged in the project has been carried out and records have been maintained our OHC.</p>
xv.	Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 30 m, each stage shall preferably be of 10 m and overall slope of the dump shall not exceed 28°. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. To the extent possible, the OB generated shall be back filled. The entire backfilled area shall be progressively afforested. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Bhopal on six monthly basis.	<p>Complied</p> <p>The overburden dumps are having maximum height of 30 m and overall slope of 28° is being maintained.</p>
xvi.	Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM ₁₀ and PM _{2.5} such as around crushing and screening plant, loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by Central Pollution Control Board in this regard.	<p>Complied.</p> <p>Adequate air pollution control measures such as regular water sprinkling on haul road. Loading, unloading points and all the transfer points dust suppression and bag house installed to control dust emission Annexure-V</p> <p>We are doing the AAQM in core and buffer zone as per NAAQ2009, monitoring report is enclosed Annexure-VI</p>
xvii.	Regular monitoring of ground water level and quantity shall be carried out within the mines lease and in the surrounding area (up to 5 km of the mine lease) by establishing a network of	<p>Complied.</p> <p>Real time pizometer has been installed within the mine lease with consultation of CGWB. Periodic ground</p>

Sr. No.	EC Conditions	Compliance Status
	<p>groundwater monitoring stations (existing wells and installing new piezometers) during the mining operation in consultation with Central Groundwater Authority/Ground Water Board and groundwater table shall be monitored and records maintained. The periodic monitoring [(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be send regularly to the Ministry of 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 due to the mining activity then mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.</p>	<p>water table monitoring in existing wells are conducted in the villages located in the vicinity of the mines (up to 5 km of the mine lease) and reports are submitted to MoEFCC and record has been maintained. Ground water level monitoring results for the period of Oct.2019 to March 2020 are attached as Annexure-IX</p> <p>Suitable rainwater harvesting measures has been implemented in the mines (Annexure-VII) and surrounding villages to augment the ground water table.</p>
xviii	<p>The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of ground water required for the project.</p>	<p>Complied</p> <p>NOC has already been obtained from CGWA, Ministry of Water Resources, Govt. of India. Vide letter no. 21-4/427/CT/MIN/2017-1818.</p>
xix.	<p>Appropriate mitigative measures shall be taken to prevent pollution, percolation/seepage of water and breaching of the canal system adjoining the ML area. There shall be no use of canal water in this mine project in any way and at any point of time and no utility, if any, shall be constructed over the canals without prior approval of the concerned State Agency/Deptt. Of Chhattisgarh Govt.</p>	<p>Noted and Complied</p> <p>A safety zone has been left along the canal as per approved mine plan and necessary protective measures have been taken percolation/seepage of water and breaching of the canal system adjoining the ML area. Canal water shall not use for mining purpose.</p>
xx.	<p>Drills shall either be operated with dust extractors or equipped with water injection system.</p>	<p>Complied.</p> <p>Drills have been provided with dust extractor or water injection system.</p> <p>The Drilling in our mines is being carried out by 90-130mm diameter ROC D50 Drill machine which is equipped with the "Dust Collector System. It is an "in-</p>

Sr. No.	EC Conditions	Compliance Status
		<p>built engineering control system" equipped into the drill machine. The moving suction head fitted over drill mast collects dust of various sizes and it passes through suction hose . It segregates and processes the Dust collected during drilling operation before exhausting it into the atmosphere.</p> <p>Drilling machine photograph enclosed as Annexure-X</p>
xxi.	<p>Need based assessment for the nearby villages shall be conducted to study economic measures which can help in upliftment of poor section of society. Income generating projects consistent with the traditional skills of the people besides development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes under CSR. This will be in addition to vocational training for individuals imparted to take up self-employment and jobs.</p>	<p>Noted & being complied.</p> <p>CSR activities along with economic up-liftment measures are being carried out in the villages around Maldi-Mopar mine lease area through Ambuja Cement Foundation (ACF). Needs of the local people are regularly assessed and accordingly programmes are developed for implementation of CSR. Detail enclosed as Annexure-XI</p>
xxii	<p>Sewage treatment plant shall be installed in ML area. ETP shall also be provided for the workshop and wastewater generated during the mining operation.</p>	<p>Complied</p> <p>Domestic effluent from the mine office, rest shelter, etc has been discharged in septic tank followed by soak pit. Vehicle wash system with oil and grease trap and filtration system has been developed for treatment of effluent generated from workshop.</p>
xxiii	<p>Provision shall be made for the housing the labourers within the site with all necessary infrastructure and facilities such as fuels 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.</p>	<p>Complied.</p> <p>No housing has been proposed at mine site. Colony is already established at Rawan Cement Plant along with necessary amenities and infrastructure facilities. Necessary facilities like rest shelter, drinking water, urinals, first aid center, toilets, etc. has been provided at mine for the mine workers.</p> <p>Project completed and temporary structures has been removed.</p>
xxiv	<p>The critical parameters such as RSPM (Particulate matter with size less than 10 micron i.e., PM10), NOx in the ambient air within the impact zone, peak particle velocity at 300 m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged</p>	<p>Noted for compliance.</p> <p>Regular monitoring of ambient air quality in core and buffer zone, Ambient Air Quality monitoring report is Enclosed as Annexure-VI. We are not discharging the mine water Zero Liquid discharge from our mine.</p>

Sr. No.	EC Conditions	Compliance Status
	<p>water shall also be monitored [(TDS, DO, pH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. <i>The Circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009</i> issued by Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in, shall also be referred in this regard for its compliance.</p>	<p>Peak particle velocity has been monitored during the blasting enclosed as Annexure-XII</p> <p>Zero liquid discharge has been maintained, display board displayed near to main gate of mine.</p> <p>EC compliance up loaded on company website. Display board display at main gate of mine.</p>
xxv	<p>The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered flora and fauna found 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.</p>	<p>Noted and being complied.</p> <p>During the EIA study endangered flora and fauna not found in the study area, so that action plan not required.</p> <p>Phase wise green belt developed around the mine lease boundary using native plant species is under progress. Plantation has been done on OB dumps for stabilization. Fencing has been provided around the plantation area to avoid inadvertent entry of the animals in the plantation and mining area.</p>
xxvi	<p>Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its Regional Office, Bhopal.</p>	<p>Complied.</p> <p>Digital processing of the entire lease area using remote sensing technique for monitoring land use pattern and report enclose as Annexure-XIII</p>
xxvi i.	<p>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.</p>	<p>Agreed and will be complied.</p>
xxvi ii.	<p>The environment clearance is subject to the condition, if any, stipulated by the IBM on the mining scheme submitted by the project proponent for its approval.</p>	<p>Noted.</p>

Sr. No.	EC Conditions	Compliance Status
B. General Conditions		
i.	No change in mining technology and scope of working shall be made without prior approval of the Ministry Of Environment & Forests.	Noted and agreed. No change in mining technology and scope of working without prior approval of MoEF&CC.
ii.	No change in the calendar plan including excavation, quantum of mineral and waste shall be made.	Noted
iii.	At least four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for PM ₁₀ , PM _{2.5} , SO ₂ , Nox monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State pollution Control Board.	Complied. More than four ambient air quality-monitoring stations has been established in core and buffer zone with consultation of CECB. Air Quality monitoring report is Enclosed as Annexure-VI
iv.	Data on ambient air quality (PM ₁₀ , PM _{2.5} , SO ₂ , Nox) should be regularly submitted to the Ministry including its regional office located at Bhopal and the State Pollution Control Board/ Central Pollution Control Board once in six months.	Complied Ambient air quality (PM ₁₀ , PM _{2.5} , SO ₂ , Nox) Monitoring report is enclosed as Annexure-VI Ambient air quality report submitted to CECB/CPCB along with six monthly EC compliance.
v.	Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc shall be provided with ear plugs/muffs.	Complied. Workers engaged in operations of HEMM, etc ear plugs/muffs has been provided. Noise monitoring report enclosed as Annexure-XIV
vi.	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.	Complied. Vehicle wash system with oil & grease trap and filtration system has been constructed in limestone mine for treatment of effluent generated from workshop. Analysis report is enclosed as Annexure-XV
vii.	Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspect. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to	Complied. Regularly necessary PPE's providing to workers and also training imparted on safety and health aspect. Occupational health surveillance program is in place, as a part of which pre-employment and periodic medical check-up of workers has been done and record of the

Sr. No.	EC Conditions	Compliance Status
	exposure to dust and take corrective measures, if needed.	same maintained by our OHC, training sheet enclosed as Annexure- XVI
viii.	A separate environmental management cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the organization.	Complied A separate environmental management cell with suitable qualified personnel has been set-up under the control of a Senior Executive, who reports directly to Unit Head.
ix.	The project authorities shall inform to the Regional Office of the Ministry 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.	Complied Grant of environmental clearance: 13th August, 2010. Mine development work has been completed and lime stone production started.
x.	The fund earmarked for environmental protection measures shall be kept in separate account and should not be diverted to other purpose. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bhopal.	Noted and complied.
xi.	The project authorities shall inform 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.	Complied Grant of environmental clearance vide letter no. J-11015/252/2008-IA-II(I) dated 13th August, 2010. Mine development work has been completed and lime stone production started.
xii.	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	Noted and Agreed.
xiii.	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional office, Bhopal, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the	Complied. Last six monthly compliance report was submitted via mail on date 16.11.2019 copy enclosed as Annexure- XVII Environment Clearance copy up loaded on company website

Sr. No.	EC Conditions	Compliance Status
	Regional Office, Ministry of Environment and Forests, Bhopal, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board.	
xiv.	<p>The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned, within seven days of the issue of the clearance letter informing that the project has been accorded</p> <p>Environmental clearance and copies of clearance letter are available with the State Pollution Control Board and also at the website of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same shall be forwarded to the Regional Office of this Ministry located in Bhopal.</p>	Complied.
xv.	<p>A copy of clearance letter shall be send by the proponent to concerned Panchayat, ZilaPanchayat/Municipal Corporation, Urban Local bodies and local NGO, if any, from whom suggestion/representation, if any were received while processing the proposal. The clearance letter shall also be put on website of the company by the proponent.</p>	<p>Complied.</p> <p>We have given the clearance letter to following Gram Sarpanch date 20.08.2010</p> <ol style="list-style-type: none"> 1. Sarpanch Maldi 2. SarpanchMoapr 3. SarpanchDhandnih 4. SarpanchBoidih
xvi.	<p>State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.</p>	Complied.
xvii.	<p>The environment statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and shall also be put on the website of the company along with the status of compliance of environmental clearance conditions. The same shall also be sent to the Regional Office of the Ministry by e-mail.</p>	<p>Complied.</p> <p>The environment statement (Form-V) has been submitted to CECB Head Office Nava Raipur and Regional Office Kabir Nagar. our vide letter no.ACL/ENV/2019-20/80 dated 22.08.2019. Enclosed as Annexure-XVIII</p>
5.	<p>The Ministry of Environment and Forests reserves the right to revoke the clearance if</p>	Noted & agreed.

Sr. No.	EC Conditions	Compliance Status
	conditions stipulated are not implemented to the satisfaction of the Ministry. MoEF may impose additional environmental conditions or modify the existing ones, if necessary.	
6.	In case of any deviation or alteration in the project proposed from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.	Noted & agreed.
7.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted & agreed.
8.	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.	Noted & agreed.
9.	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted.

मध्यप्रदेश शासन
राजस्व विभाग

क्रमांक 16/27/2006/8/89

मोघान, दिनांक 11 दिसम्बर, 1989

प्रति,

कलेक्टर,

रायपुर 8म0प्र08

विषय : भू परिवर्तन निर्धारण ।

संदर्भ : आपका आपन क्रमांक 1450/वाचक/न0भू0सी0/89,
दिनांक 3-10-89.

कृपया उपरोक्त संदर्भित पत्र का अवलोकन करें । जिस
भूमि का खनिज पट्टा खनिज उद्देश्यों के लिये दिया जाता है उस
भूमि के लिये मध्यप्रदेश भू राजस्व संहिता, 1959 के प्रावधानों के
अनुसार भूमि ^{पर} पुनर्निर्धारण किये जाने की आवश्यकता नहीं है ।
ऐसी भूमि पर डायवर्सन की मंजूरी लेना आवश्यक नहीं है । डायवर्सन
टेक्स के स्थान पर सरफेस रेन्ट ही लिया जायेगा ।

8 सप्त पी निवेदी 8
संयुक्त सचिव

मध्यप्रदेश शासन, राजस्व विभाग



NI-308 /Raipur/12
Date: - 06.09.12

CHHATTISGARH ENVIRONMENT CONSERVATION BOARD
1-Tilak Nagar, Shiv Mandir Chowk, Main Road,
Avanti Vihar, Raipur (C.G.)

No. 3056 /TS/CECB/2012

Raipur, Dated: 06/09/2012

To,

M/s Ambuja Cement Limited,
P.O. - Rawan,
District - Baloda Bazar - Bhatapara (C.G.)

Sub: Permission to establish for Limestone Mine of capacity - 2.0 Million Tonnes / Annum.

Ref: - 1. Environment Clearance issued by Ministry of Environment and Forests, Government of India vide letter no. J-11015/252/2008-IA II (I), dated: 13/08/2010.

2. Your application no. nil, Dated: 02/12/2010 and subsequent correspondence ending dated: 17/07/2011.

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Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act, 1974, and the Air (Prevention and Control of Pollution) Act, 1981 and without reducing your responsibilities under the said Acts and after going through your proposal for achieving the effluent and gaseous emission standards, it is to inform you that this Board grants you permission only for establishment for Limestone Mine of capacity - 2.0 Million Tonnes / Annum in lease area 553.656 ha at Village - Maldi, Mopar, Devrani, Karmadih and Boirdih, District - Baloda Bazar - Bhatapara (C.G.) subject to fulfillment of the following terms and conditions.

Terms & Conditions: -

1. Industry shall adhere to the stipulations incorporated in the environmental clearance issued by the Ministry of Environment and Forests, Government of India vide letter no. -11015/252/2008-IA II (I), dated: 13/08/2010.
2. Industry shall provide adequate facility for proper treatment of industrial (workshop effluent), mine discharge and domestic effluent. Industry shall provide neutralization cum pucca settling pond for treatment of mine discharge, oil & grease separator followed by settling tank for treatment of industrial (workshop effluent). Industry shall provide sewage treatment plant for treatment of domestic effluent generated. Industry shall ensure that the treated effluent quality meet the standards prescribed by Board published in Gazette Notification dated 25.03.88. The major parameters shall conform the limits as follows: -

RKC



CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

Paryavas Bhawan, Sector - 19

Nava Raipur Atal Nagar, District - Raipur (C.G.)

E-mail - hocecb@gmail.com

No. 8847 /TS/CECB/ 2020 Nava Raipur Atal Nagar, Dated 04 /01 / 2020
To,

M/s Ambuja Cement Limited
Village - Maldi Mopar, Devrani, Karmadih, Boirdih,
Tehsil - Bhatapara
District - Baloda Bazar – Bhatapara (C.G.)

Sub: - Amendment in consent and renewal of consent issued under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 for Limestone Mine of capacity – 2.0 Million Tonnes / Annum.

- Ref: 1. "Permission to Establish" issued by the Chhattisgarh Environment Conservation Board Raipur, vide letter no. 3056/TS/CECB/2012 Raipur, dated: 06/09/2012 for Limestone Mine of capacity – 2.0 Million Tonnes / Annum.
2. "Consent to Operate" of the Board for Lime Stone Mine Development Activities for Lime Stone Mine of 2.0 Million Tonnes / Annum in 553.656 ha. lease area as per Approved Mining Plan issued under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 2637/TS/CECB/2015 Raipur, dated: 10/09/2015 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 2639/TS/CECB/2015 Raipur, dated: 10/09/2015.
3. Last renewal of the consent of the Board under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 8308/TS/CECB/2019 Raipur, dated: 15/03/2019 for Lime Stone Mine Development Activities for Lime Stone Mine of 2.0 Million Tonnes / Annum in 553.656 ha. lease area as per Approved Mining Plan.
4. Your online application dated: 06/09/2019 and subsequent corresponding ending dated: 30/10/2019 (online application no. 3787331).

--: 00:--

Chhattisgarh Environment Conservation Board, Raipur had issued "Permission to Establish" for Limestone Mine of capacity – 2.0 Million Tonnes / Annum vide letter no. 3056/TS/CECB/2012 Raipur, dated: 06/09/2012.

As per application submitted by the industry, Chhattisgarh Environment Conservation Board, Raipur issued "Consent to Operate" under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 2637/TS/CECB/2015 Raipur, dated: 10/09/2015 and under section 21 of the Air

(Prevention and Control of Pollution) Act, 1981 vide letter no. 2639/TS/CECB/2015 Raipur, dated: 10/09/2015 for Lime Stone Mine Development Activities for Lime Stone Mine of 2.0 Million Tonnes / Annum in 553.656 ha. lease area as per Approved Mining Plan, subject to fulfillment of the terms and conditions mentioned in the consent letter.

Renewal of consent were issued under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 8308/TS/CECB/2019 Raipur, dated: 15/03/2019 for Lime Stone Mine Development Activities for Lime Stone Mine of 2.0 Million Tonnes / Annum in 553.656 ha. lease area as per Approved Mining Plan up to 31/12/2019.

Now, industry has submitted application for obtaining amendment in consent and renewal of consent of the Board under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 for production of Lime Stone Mine of 2.0 Million Tonnes / Annum in 553.656 ha. lease area through online application dated: 06/09/2019 and subsequent corresponding ending dated: 30/10/2019 (online application no. 3787331).

Regional Officer, Chhattisgarh Environment Conservation Board, Raipur has informed that industry has provided effluent treatment arrangement and air pollution control systems for Lime Stone Mine of 2.0 Million Tonnes / Annum in 553.656 ha. lease area. Regional Officer, Chhattisgarh Environment Conservation Board, Raipur has recommended for grant of consent for Lime Stone Mine of 2.0 Million Tonnes / Annum.

The facts submitted by the industry have been examined. After careful consideration of the facts & materials in record and in the view of the above, the consent letter issued under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 2637/TS/CECB/2015 Raipur, dated: 10/09/2015 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 2639/TS/CECB/2015 Raipur, dated: 10/09/2015 is hereby amended and renewed up to 31/12/2020 effective from date of issue of this letter for Lime Stone Mine of 2.0 Million Tonnes / Annum in 553.656 ha. lease area, subject to the fulfillment of terms and conditions mentioned in consent letter, subsequent renewal of consent letter and following additional terms & conditions:-

- (1) The consent shall be valid for following capacity: -

Name	Production Capacity
Mining of Limestone (in 553.656 ha.)	2.0 Million Tonnes / Annum (Two Point Zero Million Tonnes / Annum)

Mining of limestone shall not exceed 2.0 million tonnes per annum under any circumstances. Mechanized open cast mining method should be adopted.

Additional Conditions

A. Water consent as per the Water (Prevention and Control of Pollution) Act, 1974

1. Mine management shall operate and maintain the effluent treatment system effectively and regularly. Mine management shall ensure treated effluent quality within the standards prescribed by Board published in Gazette Notification dated 25.03.88. Mine management shall not discharge any

Retaining wall

Annexure- III



AFFORESTATION DETAILS IN ACL RAWAN, UNIT- BHATAPARA (C.G)				
PLANTED YEAR	MALDI MOPER MINES			
	Planted	Sur.	Sur%	Hect.
2016-17	4192	2520	80	1
2017-18	2125	1656	78	1
2018-19	2369	2088	88	1
2019-20	1500	1450	95	1
2020-21	1500			1

Species at Maldi Mopar Mines Area

S.No.	Common name	Botanical name	S.No.	Common name	Botanical name
1	African Tulip Tree	Spathodea Campanulata	36	Khair	Senegalia catechu
2	Astonia (Chatim)	Astonia scholaris	37	Karanj	Pongamia Glabra
3	Amaltas	Cassia fistula spp.	38	Karunda	Carissa carandus
4	Anar	Punica granatum	39	Kathal (Jack Fruit)	Artocarpus Heterophyllus
5	Arjuna	Terminalia arjuna	40	Kaner (Oleander & Nerium)	Theveatia Peruviana
6	Ashok Tree	Polyalthia longifolia	41	Khamhar	Gemelina arborea
7	Australian Accasia	Acacia Auriculiformis	42	Mango	Mangifera indica
8	Anola	Embbica Officinalis	43	Mahua	Madhuca longifolia
9	Babul desi	Acacia nilotica	44	Maharukh (Mhaneem)	Ailanthus excelsa
10	Bel	Aegle marmelos	45	Musambi	Citrus sinensis
11	Bair	Ziziphus jujubai	46	Munga (Drum Stick)	Moringa oleifera
12	Bakayan	Melia azedarach	47	Mudhi	Mitragnyna parvifolia
13	Babmboo	Phyllostachys	48	Neebu	Citrus limon Burma
14	Bargad (Banyan Tree)	Ficus Bengalensi	49	Neel Giri (Safeda)	Eucalyptus
15	Bottel brush (Scarlet)	Callistemon Citrinus	50	Neem	Azadirachta Indica
16	Bohar tree	Cordia myxa	51	Pelto Phorum	Peltophorum enermes
17	Cassia Saimea (Chakundi)	Cassia saimea	52	Palash (Dhak)	Butea frandosa
18	Casurina	Casurina indica	53	Palm tree (Bottel palm)	Palm tree
19	Chakotra	Achras zapota	54	Pangara	Earythrena indica
20	Chikoo (Sapota)	Achras Sapota	55	Putranjeeva (Luck Bean Tree)	Putrangiva roxburghi
21	Champa	Michelia champaka	56	Pipal	Ficus Religiosa
22	Coral plant	Tecoma gudichauri	57	Samal tree (Semhra)	Bombax ceiba
23	Coconut	Cocos nucifera	58	Seetaphal	Annona cherimola
24	Dhanbahar	Cassia festula	59	Siris	Albizia Labeck
25	Desi Badam	Terminalia catappa	60	Shahtut (Mulberry)	Morus Alba / Nigra
26	Guava	Psidium guajava	61	Sisoo	Dalbergia Sisoo
27	Gul Mohar	Delonix regia	62	Subabool	Leucena Leucocehalla
28	Gliricidia	Gliricidia Masculata	63	Saja	Terminalia tomentosa
29	Gandhraj	Gardenia	64	Sagon (Teak)	Tectona Grandis
30	Gangaemli	Pithecellobium dulce	65	Safed siras(Karhi)	Albizzia procera, benth
31	Gular (Dumar)	Ficus racemosa	66	Tikoma	Dhobi podha
32	Imli	Temredus indica	67	Vilayati kiker	Prosopis juliflora
33	Jamun	Ujinia jaimbolana	68	White semal (Kpok Tree)	Ceiba pentandra
34	Kachanar	Bauhinia variegata	69	Laxmi taru	Simarouba glauca
35	kadamba	Anthocepholus kadamba			

Photograph of dust suppression system



Ambuja Cements Ltd. Six Monthly Ambient Air Monitoring Report (October-2019 to March-2020)

Ambient Air Monitoring Report of month October-2019							Ambient Air Monitoring Report of month –November-2019						
Monitoring Station	PM ₁₀ (100µg/m ³)	PM _{2.5} (60 µg/m ³)	SO ₂ (80 µg/m ³)	NOx (80 µg/m ³)	CO (mg/m ³)		Monitoring Station	PM ₁₀ (100µg/m ³)	PM _{2.5} (60 µg/m ³)	SO ₂ (80 µg/m ³)	NOx (80 µg/m ³)	CO (mg/m ³)	
Water Treatment Plant (WTP)	63-79.8	33.5-38.7	9.97-12.7	21.7-25.1	0.22-0.32		WTP	77.3-92.4	38.5-52.7	11.3-12.3	23.2-25.8	0.24-0.29	
Rawan Mines Office	64.4-74.5	31.8-40	8.79-11.4	21.2-24.6	0.20-0.25		Rawan Mines Office	69.3-79.6	34.9-46	9.34-11.3	20.8-23.9	0.19-0.26	
Maldi Mines Office	64.5-75.5	31.6-38.8	8.38-11.6	20.6-24.4	0.18-0.24		Maldi Mines Office	68.3-82.9	36-48.4	8.98-12.3	20.4-24.4	0.2-0.28	
Rawan	58.4	26.3	7.97	10.5	0.12		Rawan	64.2	31.5	9.42	10.7	0.18	
Risda	62.4	24.5	8.94	13.8	0.16		Risda	66.2	35.3	8.94	13.9	0.22	
ACL Colony	55.5	20.8	6.52	9.05	0.1		ACL Colony	61.3	30	6.71	11.3	0.14	
Dhabadhi	58.5	20.8	7.8	10.9	0.11		Dhabadhi	69.1	35	11.6	14.3	0.24	
Maldi	55.7	22.1	7.53	10.3	0.12		Maldi	65.3	33.8	9.55	13.6	0.22	
Chuiha	57.3	22.6	7.31	10.6	0.12		Chuiha	60	27.4	7.92	12.5	0.14	
Dhandhani	58.5	21.5	6.77	10.2	0.1		Dhandhani	67.2	35.9	8.36	14.3	0.25	
Ambient Air Monitoring Report of month –December-2019							Ambient Air Monitoring Report of month –January-2020						
Monitoring Station	PM ₁₀ (100µg/m ³)	PM _{2.5} (60 µg/m ³)	SO ₂ (80 µg/m ³)	NOx (80 µg/m ³)	CO (mg/m ³)		Monitoring Station	PM ₁₀ (100µg/m ³)	PM _{2.5} (60 µg/m ³)	SO ₂ (80 µg/m ³)	NOx (80 µg/m ³)	CO (mg/m ³)	
Water Treatment Plant	84.6-96.6	44.6-53.1	12.5-13.6	26.8-28.9	0.26-0.31		WTP	84.1-89.2	38.9-44.1	10.3-14.5	24.4-31.8	0.18-0.28	
Rawan Mines Office	78.6-88.1	34.7-45.9	9.38-10.6	23.7-26.3	0.22-0.29		Rawan Mines Office	80.2-89.7	39.9-45.2	9.9-11.6	19.1-24.3	0.18-0.24	
Maldi Mines Office	74.87.4	40.2-49.5	10.2-13.7	23.5-29.8	0.2-0.28		Maldi Mines Office	70.4-81.9	40.5-45.7	11.6-13.5	22.8-25.6	0.15-0.24	
Rawan	77.2	44.4	12.4	16.9	0.26		Rawan	62.2	23.4	14.8	26.2	0.45	
Risda	65.8	32.5	10.4	20.1	0.24		Risda	54.23	21.4	9.1	23.8	0.32	
ACL Colony	63.4	32.8	7.33	18.5	0.16		ACL Colony	57	24.5	8.04	21.4	0.15	
Dhabadhi	79.3	48.5	14.1	23.4	0.3		Dhabadhi	54.3	29.1	12.03	23.9	0.14	
Maldi	80.9	47.5	15.8	24.6	0.29		Maldi	54.1	17.6	12	22.1	0.35	
Chuiha	68.8	36.9	10.5	19.8	0.18		Chuiha	68.2	26.5	12	23.4	0.08	
Dhandhani	67.7	33.2	11.6	21.7	0.19		Dhandhani	62.4	27.5	12.3	23.4	0.24	

Ambient Air Monitoring Report of month –February-2020

Monitoring Station	PM ₁₀ (100µg/m ³)	PM _{2.5} (60 µg/m ³)	SO ₂ (80 µg/m ³)	NOx (80 µg/m ³)	CO (mg/m ³)
Water Treatment Plant	60.1-74.4	22.4-29.7	7.9-11.1	14.7-20.5	0.19-0.31
Rawan Mines Office	54.1-60.5	18.5-22.5	10.1-14.6	17-24.6	0.18-0.27
Maldi Mines Office	61.1-69.5	20.3-27.9	7.2-12.7	18.6-24.8	0.21-0.31
Rawan	65.1	20.6	8.3	21.6	0.42
Risda	72.7	22.6	13.5	23.4	0.4
ACL Colony	64.1	19.3	8.4	16.4	0.28
Dhabadhi	72.7	24.6	10.8	17.7	0.28
Maldi	67.4	28.6	14.1	26.5	0.39
Chuiha	61.3	20.7	7.03	17.9	0.35
Dhandhani	63.9	27.6	12.4	24.5	0.4

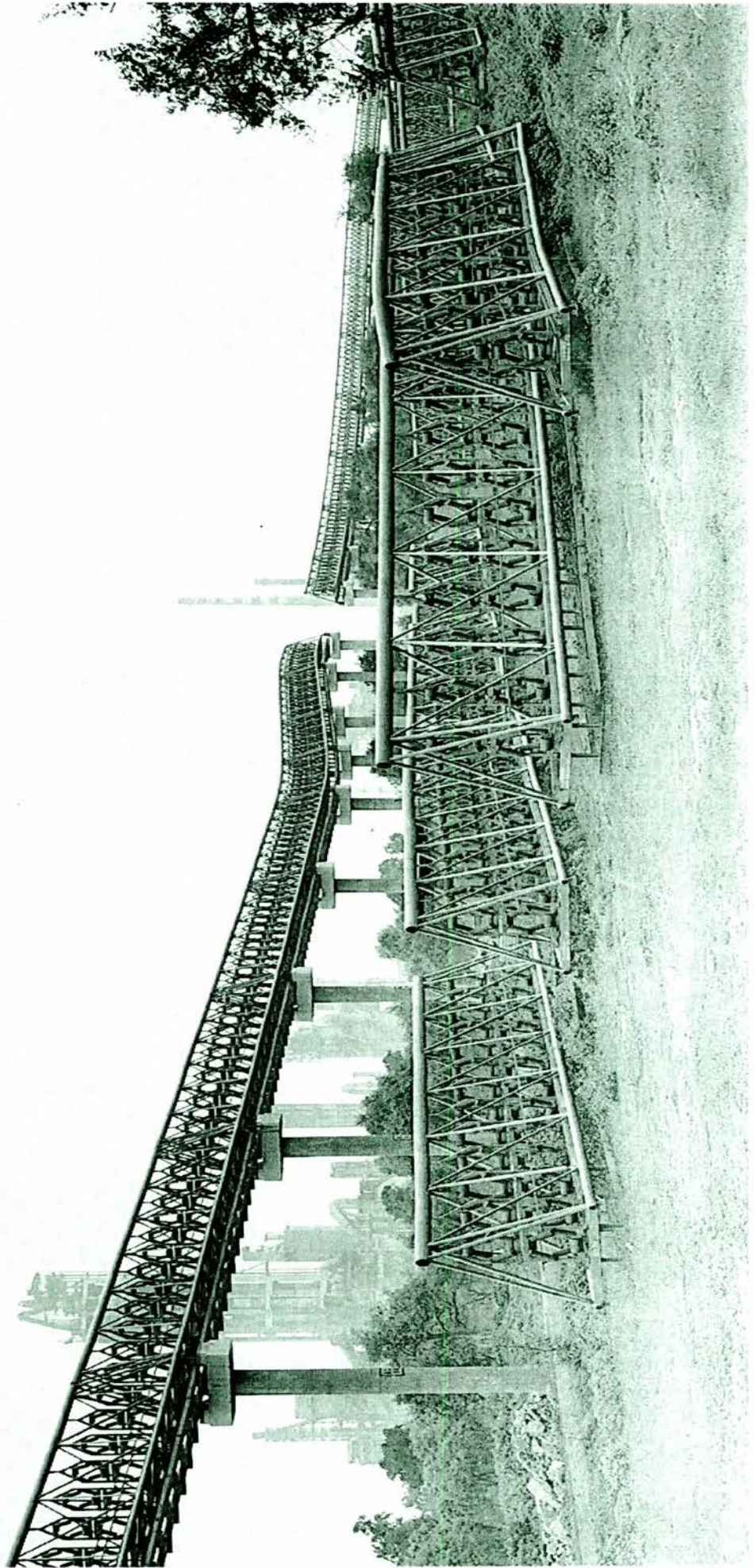
Ambient Air Monitoring Report of month –March-2020

Monitoring Station	PM ₁₀ (100µg/m ³)	PM _{2.5} (60 µg/m ³)	SO ₂ (80 µg/m ³)	NOx (80 µg/m ³)	CO (mg/m ³)
Near Railway Siding	71.1-74.2	24-27.2	8.8-10	16.1-19.8	0.19-0.24
Rawan Mines Office	58.9-64.1	17.8-20.8	11.3-12	18.7-22.1	0.24-0.32
Maldi Mines Office	67.5-70.3	21.7-24.1	8.1-10.1	18.8-20.6	0.24-0.34
Rawan	66.8	22.1	10.4	19.6	0.45
Risda	70.1	24.2	12	21.8	0.44
TPP area	60.4	21.9	8.5	14.5	0.28
Dhabadhi	70.1	22.9	10.5	16.3	0.3
Maldi	65.4	25.5	12.8	24.8	0.42
AFR office	60.2	16.7	9	14.5	0.22
Dhandhani	64.5	25.9	11	22.4	0.36

MINE RAIN WATER HARVESTING STRUCTURE



PIPE CONVEYOR



MALDI MOPAR LIMESTONE MINES, GROUND WATER LEVEL MONITORING REPORT			
STATION NO.	NAME OF VILLAGE	WATER LEVEL IN METER	
		19-Nov.	20-Jan.
1	Khamariya	6.29	7.98
2	Topa	4.56	6.03
3	Arjuni	3.91	7.23
4	Maldi	5.48	7.01
5	Devrani	2.86	5.12
6	Mopar	5.16	8.33
7	Rawan	5.91	7.38
8	Karmada	4.93	8.68
9	Pausari	7.16	8.43
10	Chhuiha	2.61	5.94
11	Baloda Bazar	7.48	9.09
12	Latua	3.64	7.73
13	Dhabadih	5.33	8.41
14	Magarchaba	3.29	6.93
15	Amera	2.63	6.72
16	Risda	3.29	6.28
17	Champa	4.63	7.15
18	Semaradih	7.19	8.3
19	Chandih	3.20	8.1
20	Khelwari	7.98	8.5
21	Kukurdi	6.88	7.6



Certificate No.: IC-7572

EARTHCARE LABS PRIVATE LIMITED

(Laboratory Division)

Environmental Laboratory & EIA Consultant Organization

(NABL QCI Accredited, MoEF Recognized, NARET QCI Accredited, ISO 9001, ISO 14001 & OHSAS 18001)

C-11, Amar Enclave Commercial Wing, Jog Layout, Prashant Nagar, Near Aphi

Square, Nagpur - 440 015, Tel & Fax (0712) 2251470, Cell: 9766616862

Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

Test Report Water Quality

Report No. : ELPL/QD4/TRD/5.10/W/Dec-19/33	Report Date : 31-12-2019
Name & Address of the Customer : M/s. AMBUJA CEMENTS LIMITED, Unit-Bhatapara , Village-Rawan, Tehsil-BalodaBazar-493331, Dist. - BalodaBazar-Bhatapara	
Ref : SAP PO/Plant : 2800762485/NE06 dtd 10-07-2019 & SAP PO No/Plant : 2800766132/NE06 dtd 06-08-2019 valid up 31-07-2020	
Sample Description : Ground Water Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009	Sampling Location : Maldi Mine
Sample Inward No. : ELPL/Dec-19/07/32/W-33	Env. Condition : Sunny (during sampling)
Sampling Date : 13-12-2019 Sample Receipt Date : 15-12-2019	Sampled By: ELPL Representative
Period of Analysis: From 15-12-19 to 31-12-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms**	Result	Test Method
1	Colour	Hazen Units	5/15	1.0	IS 3025 (Part 4): 1983 RA 2017 (Clause 2.0),
2	Odour	--	Agreeable	Agreeable	IS 3025 (Part 6): 1983 RA 2017
3	pH value	--	6.5 to 8.5	7.33	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
4	Taste	--	Agreeable	Agreeable	IS 3025 (Part 8): 1984 RA 2017
5	Turbidity	NTU	1/5	0.11	IS 3025 (Part 10): 1984 RA 2017
6	Total Dissolved Solids	mg/l	500/2000	1444.0	IS 3025 (Part 16): 1984 RA 2017
7	Aluminium (as Al)	mg/l	0.03/0.2	0.04	IS 3025 (Part 2): 2004 RA 2014
8	Total Ammonical Nitrogen (TAN) (as total ammonia -N)	mg/l	0.5	<0.08	IS 3025 (Part 34): 1988 RA 2014 (Clause 2.3)
9	Anionic Detergents (as MBAS) *	mg/l	0.2/1.0	<0.1	IS 13428 (Annex K): 2005 RA 2014
10	Barium (as Ba)	mg/l	0.7	0.04	IS 3025 (Part 2): 2004 RA 2014
11	Boron (as B)	mg/l	0.5/1.0	0.07	IS 3025 (Part 2): 2004 RA 2014
12	Calcium (as Ca)	mg/l	75/200	128.1	IS 3025 (Part 40): 1991 RA 2014 (Clause 5.0)
13	Calcium Hardness (as CaCO ₃) *	mg/l	--	320.3	IS 3025 (Part 40): 1991 RA 2014 (Clause 5.0)
14	Chloramines (as Cl ₂)	mg/l	4.0	<0.1	IS 3025 (Part 26): 1986 RA 2014
15	Chloride (as Cl)	mg/l	250/1000	226.3	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
16	Copper (as Cu)	mg/l	0.05/1.5	0.02	IS 3025 (Part 2): 2004 RA 2014
17	Fluoride (as F)	mg/l	1.0/1.5	1.00	IS 3025 (Part 60): 2008 RA 2013 (Clause 6.0)
18	Free Residual Chlorine	mg/l	0.2/1.0	<0.1	IS 3025 (Part 26): 1986 RA 2014

Page 1 of 2



Certificate No.: TC-7572

EARTHCARE LABS PRIVATE LIMITED

(Laboratory Division)

Environmental Laboratory & EIA Consultant Organization

(NABL QCI Accredited, MoEF Recognized, NABET QCI Accredited, ISO 9001, ISO 14001 & OHSAS 18001)

C-11, Amar Enclave Commercial Wing, Jög Layout, Prashant Nagar, Near Ajni Square, Nagpur - 440 015, Tel & Fax: (0712) 2251470, Cell: 9766616862
Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

Report No.: ELPL/QD4/TRD/5 10/W/Dec-19/32			Report Date: 31-12-2019		
Sr. No.	Test Parameters	Unit	Norms**	Result	
17.	Fluoride (as F)	mg/l	1.0/1.5	1.01	IS 3025 (Part 60): 2008 RA 2013 (Clause 6.0)
18.	Free Residual Chlorine	mg/l	0.2/1.0	<0.1	IS 3025 (Part 26) 1986 RA 2014
19.	Iron (as Fe)	mg/l	1.0	0.16	IS 3025 (Part 2): 2004 RA 2014
20.	Magnesium (as Mg)	mg/l	30/100	45.6	IS 3025 (Part 46) 1994 RA 2014 (Clause 6.0)
21.	Manganese (as Mn)	mg/l	0.1/0.13	0.02	IS 3025 (Part 2): 2004 RA 2014
22.	Mineral Oil	mg/l	0.5	<0.2	IS 3025 (Part 39): 1991 RA 2014
23.	Nitrate (as NO ₃)	mg/l	45	9.31	APHA - 22 nd Ed - 4500 (NO ₃) (B)
24.	Phenolic Compounds or Phenol (as C ₆ H ₅ OH)	mg/l	0.001/0.002	<0.001	IS 3025 (Part 43): 1992 RA 2014
25.	Selenium (as Se)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
26.	Sulphate (as SO ₄)	mg/l	200/400	124.1	APHA 22 nd Ed - 4500 SO ₄ ²⁻ (E)
27.	Sulphide (as H ₂ S)	mg/l	0.05	<0.04	IS 3025 (Part 29) 2003 RA 2014
28.	Total Alkalinity (as CaCO ₃)	mg/l	200/600	317.3	IS 3025 (Part 23): 1986 RA 2014
29.	Total Hardness (as CaCO ₃)	mg/l	200/600	546.8	IS 3025 (Part 21): 2009 RA 2014 (Clause 5.0)
30.	Zinc (as Zn)	mg/l	5/15	0.10	IS 3025 (Part 2): 2004 RA 2014
31.	Cadmium (as Cd)	mg/l	0.003	<0.003	IS 3025 (Part 2): 2004 RA 2014
32.	Lead (as Pb)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
33.	Mercury (as Hg)	mg/l	0.001	<0.001	IS 3025 (Part 2): 2004 RA 2014
34.	Total Arsenic (as As)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
35.	Total Chromium (as Cr)	mg/l	0.05	<0.01	IS 3025 (Part 2): 2004 RA 2014
<p>Note 1. *indicate that parameters not covered under NABL Scope of Accreditation.</p> <p>2. ** indicates IS 10500 : 2012 RA 2012 Drinking Water - Specification as Requirement (Acceptable Limit) / Permissible Limit in the Absence of Alternate Sources meeting Acceptable Limit</p> <p>3. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.</p>					
<p>Remarks: Water is meeting the norms for above parameters</p>					
			<p>For Earthcare Labs Pvt. Ltd.</p> <p>(K.L. Jadhav)</p> <p>Authorized Signatory & CEO</p>		



Certificate No.: TC 7572

EARTHCARE LABS PRIVATE LIMITED

(Laboratory Division)

Environmental Laboratory & EIA Consultant Organization

(NABL QCI Accredited, MoEF Recognized, NABET QCI Accredited, ISO 9001, ISO 14001 & OHSAS 18001)

C-11, Amar Enclave Commercial Wing, Jog Layout, Prashant Nagar, Near Ajni

Square, Nagpur - 440 015, Tel & Fax: (0712) 2251470, Cell: 9766616862

Email: earthcare2000@gmail.com Website: www.earthcarenagpur.com

Test Report Water Quality

Report No. : ELPL/QD4/TRD/5 10/W/Dec-19/36	Report Date : 31-12-2019
Name & Address of the Customer : M/s. AMBUJA CEMENTS LIMITED, Unit-Bhatapara, Village-Rawan, Tehsil-BalodaBazar-493331, Dist. - BalodaBazar-Bhatapara	
Ref : SAP PO/Plant : 2800762485/NE06 dtd. 10-07-2019 & SAP PO No/Plant : 2800766132/NE06 dtd. 06-08-2019 valid up 31-07-2020	
Sample Description : Ground Water	Sampling Location : Surface Water from Maldi Mines Pit
Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009	Environment Condition: Sunny (during sampling)
Sample Inward No. : ELPL/Dec-19/07/32/W-36	Sampled By: ELPL Representative
Sampling Date : 13-12-2019	
Sample Receipt Date : 15-12-2019	
Period of Analysis: From 15-12-19 to 31-12-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms**	Result	Test Method
1	Colour	Hazen Units	5/15	10	IS 3025 (Part 4): 1983 RA 2017 (Clause 2.0),
2	Odour	--	Agreeable	Agreeable	IS 3025 (Part 6): 1983 RA 2017
3	pH value	--	6.5 to 8.5	6.97	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
4	Taste	--	Agreeable	Agreeable	IS 3025 (Part 8): 1984 RA 2017
5	Turbidity	NTU	1/5	0.69	IS 3025 (Part 10): 1984 RA 2017
6	Total Dissolved Solids	mg/l	500/2000	283.0	IS 3025 (Part 16): 1984 RA 2017
7	Aluminium (as Al)	mg/l	0.03/0.2	<0.03	IS 3025 (Part 2): 2004 RA 2014
8	Total Ammonical Nitrogen (TAN) (as total ammonia-N)	mg/l	0.5	<0.08	IS 3025 (Part 34): 1988 RA 2014 (Clause 2.3)
9	Anionic Detergents (as MBAS) *	mg/l	0.2/1.0	<0.1	IS 13428 (Annex K): 2005 RA 2014
10	Barium (as Ba)	mg/l	0.7	<0.02	IS 3025 (Part 2): 2004 RA 2014
11	Boron (as B)	mg/l	0.5/1.0	<0.06	IS 3025 (Part 2): 2004 RA 2014
12	Calcium (as Ca)	mg/l	75/200	31.2	IS 3025 (Part 40): 1991 RA 2014 (Clause 5.0)
13	Calcium Hardness (as CaCO ₃) *	mg/l	--	78.1	IS 3025 (Part 40): 1991 RA 2014 (Clause 5.0)
14	Chloramines (as Cl ₂)	mg/l	4.0	<0.1	IS 3025 (Part 26): 1986 RA 2014
15	Chloride (as Cl)	mg/l	250/1000	49.5	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
16	Copper (as Cu)	mg/l	0.05/1.5	<0.01	IS 3025 (Part 2): 2004 RA 2014
17	Fluoride (as F)	mg/l	1.0/1.5	0.31	IS 3025 (Part 60): 2008 RA 2013 (Clause 6.0)



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Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

Report No : ELPL/QD4/TRD/5 10/W/Dec-19/33			Report Date : 31-12-2019		
Sr. No.	Test Parameters	Unit	Norms**	Result	Test Method
19	Iron (as Fe)	mg/l	1.0	0.14	IS 3025 (Part 2): 2004 RA 2014
20	Magnesium (as Mg)	mg/l	30/100	45.6	IS 3025 (Part 46): 1994 RA 2014 (Clause 6.0)
21	Manganese (as Mn)	mg/l	0.1/0.13	0.02	IS 3025 (Part 2): 2004 RA 2014
22	Mineral Oil	mg/l	0.5	<0.2	IS 3025 (Part 39): 1991 RA 2014
23	Nitrate (as NO ₃)	mg/l	45	8.20	APHA -22 nd Ed -4500 (NO ₃) (B)
24	Phenolic Compounds or Phenol (as C ₆ H ₅ OH)	mg/l	0.001/0.002	<0.001	IS 3025 (Part 43): 1992 RA 2014
25	Selenium (as Se)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
26	Sulphate (as SO ₄)	mg/l	200/400	123.4	APHA 22 nd Ed - 4500 SO ₄ ²⁻ (E)
27	Sulphide (as H ₂ S)	mg/l	0.05	<0.04	IS 3025 (Part 29): 2003 RA 2014
28	Total Alkalinity (as CaCO ₃)	mg/l	200/600	254.8	IS 3025 (Part 23): 1986 RA 2014
29	Total Hardness (as CaCO ₃)	mg/l	200/600	507.8	IS 3025 (Part 21): 2009 RA 2014 (Clause 5.0)
30	Zinc (as Zn)	mg/l	5/15	0.12	IS 3025 (Part 2): 2004 RA 2014
31	Cadmium (as Cd)	mg/l	0.003	<0.003	IS 3025 (Part 2): 2004 RA 2014
32	Lead (as Pb)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
33	Mercury (as Hg)	mg/l	0.001	<0.001	IS 3025 (Part 2): 2004 RA 2014
35	Total Arsenic (as As)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
36	Total Chromium (as Cr)	mg/l	0.05	0.01	IS 3025 (Part 2): 2004 RA 2014
<p>Note : 1. *indicate that parameters not covered under NABL Scope of Accreditation. 2. ** indicates IS 10500 : 2012 RA 2012 Drinking Water - Specification as Requirement (Acceptable Limit) / Permissible Limit in the Absence of Alternate Sources meeting Acceptable Limit 3. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL</p>					
<p>Remarks: Water is meeting the norms for above parameters</p>					
<p>For Earthcare Labs Pvt. Ltd. (K.L. Jadhav) Authorized Signatory & CEO</p>					





Certificate No.: TC-7572

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Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

Report No.: ELPL/QD4/TRD/5 10/W/Dec-19/36			Report Date: 31-12-2019		
Sr. No.	Test Parameters	Unit	Norms**	Result	Test Method
18	Free Residual Chlorine	mg/l	0.2/1.0	<0.1	IS 3025 (Part 26): 1986 RA 2014
19	Iron (as Fe)	mg/l	1.0	<0.05	IS 3025 (Part 2): 2004 RA 2014
20	Magnesium (as Mg)	mg/l	30/100	11.4	IS 3025 (Part 46): 1994 RA 2014 (Clause 6.0)
21	Manganese (as Mn)	mg/l	0.1/0.13	<0.01	IS 3025 (Part 2): 2004 RA 2014
22	Mineral Oil	mg/l	0.5	<0.2	IS 3025 (Part 39): 1991 RA 2014
23	Nitrate (as NO ₃)	mg/l	45	3.95	APHA -22nd Ed -4500 (NO ₃ -) (B)
24	Phenolic Compounds or Phenol (as C ₆ H ₅ OH)	mg/l	0.001/0.002	<0.001	IS 3025 (Part 43): 1992 RA 2014
25	Selenium (as Se)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
26	Sulphate (as SO ₄)	mg/l	200/400	14.7	APHA 22nd Ed - 4500 SO ₄ 2- (E)
27	Sulphide (as H ₂ S)	mg/l	0.05	<0.04	IS 3025 (Part 29): 2003 RA 2014
28	Total Alkalinity (as CaCO ₃)	mg/l	200/600	67.3	IS 3025 (Part 23): 1986 RA 2014
29	Total Hardness (as CaCO ₃)	mg/l	200/600	125.0	IS 3025 (Part 21): 2009 RA 2014 (Clause 5.0)
30	Zinc (as Zn)	mg/l	5/15	<0.04	IS 3025 (Part 2): 2004 RA 2014
31	Cadmium (as Cd)	mg/l	0.003	<0.003	IS 3025 (Part 2): 2004 RA 2014
32	Lead (as Pb)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
33	Mercury (as Hg)	mg/l	0.001	<0.001	IS 3025 (Part 2): 2004 RA 2014
34	Total Arsenic (as As)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
35	Total Chromium (as Cr)	mg/l	0.05	<0.01	IS 3025 (Part 2): 2004 RA 2014
<p>Note: 1. *indicate that parameters not covered under NABL Scope of Accreditation</p> <p>2. ** indicates IS 10500: 2012 RA 2012 Drinking Water - Specification as Requirement (Acceptable Limit) / Permissible Limit in the Absence of Alternate Sources meeting Acceptable Limit</p> <p>3. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.</p>					
<p>Remarks: Water is meeting the norms for above parameters</p>					
<p style="text-align: right;">For Earthcare Labs Pvt. Ltd. (K. L. Jadhav) Authorized Signatory & CEO</p>					

DRILLING MACHINE



CSR ACTIVITIES DURING THE YEAR
October 2019 to March 2020
Highlights of Works of Ambuja Cement Foundation

Programme/Activities	Achievement	Details of Activity
Water Resource Management & Drinking Water		
Water Resource Management & Drinking Water		
Drinking water quality testing	22	All Core villages
Handpump (repairing)	4	Rawan, Khairtal
Bore well digging	2	Baloda Bazar, Karmandi
Rain Water Recharge Structure	11	Rawan, Devrani
Dam Renovation Work	1	Karmada
Rural Infrastructure Development		
Construction of Road	350 meter	Devrani, Rawan, Bhadrapali
Boundary wall construction/repairing	500 meter	Maldi, Rawan
Construction of School building	1	Bharseli
Construction of community building	2	Sarkipar, Baloda Bazar
School painting	4	Rawan, Khairtal, Bhadrapali, Bharseli
Fencing work	2500 meter	Pousari, Arjuni, Bharseli
Solar light installation	11	Karmandi
Health sub center renovation	1	Rawan
School toilet renovation	3	Rawan, Khairtal, BHadrapali
Hume pipe laying	1	Rawan
Agro Based Livelihood & Allied Activities		
Follow up of Farmers under SRI (Paddy)	152	Core Villages
Follow up of Farmers under Improved Paddy Cultivation	432	Core Villages
Follow up of Farmers under Vegetable & Fruit cultivation (Kharif)	275	Core Villages (636 fruit plants planted in kitchen garden)
Wheat Cultivation with improved package of practices	286	Core villages
Mustard cultivation with improved package of practices	111	Core villages
Promotion of kitchen gardening in Rabi season	137	Core villages
Training of farmers on improved package of practices for wheat/mustard cultivation	701	Core Villages
Exposure of farmers at Wheat/Mustard demo	628	Core Villages

Annexure-

plots (farmer's Field day)		
Promotion of sprinklers set	25	25 farmers got sprinkler set in Core Villages
Promotion of foot operated sprayer pumps	14	14 farmers under core villages
Introducing manual cum battery operated knapsack sprayer pump	110	Core villages
Introducing manual knapsack sprayer pump	90	Core villages
Introducing pressure sprayer pump (2 lit)	100	100 farmers under kitchen gardening from our core villages
Introducing watering can (Hazara) of 5 lit	100	100 farmers under kitchen gardening from our core villages
Support farmers to get installed solar pump	10	Core villages
Training to community cadres (Pashu Sakhis and Community Livestock Facilitators)	6	5 Pashu Sakhi and 1 CLF from core villages
Training to Krishi mitra for improved package of practices	5	5 Krishi Mitra from core villages
Exposure of farmers at "Rashtriya Krishi Mela" at Raipur	31	31 farmers from core villages
No. of animal treated/vaccinated	3677	139 Households
Support farmer producer company to set up their business like- custom hiring centre (farm machineries)	191	191 members from core villages
Health & Sanitation		
ANC Camp Organized	42	Core Villages
Total Patient treated	1113	
General Health Camp Organized	29	Core Villages
Total Patient treated	1137	
NCD Camp	19	Core Villages
Total Patient treated in NCD Camp	1038	
Organized NCD Awareness Sessions	339	Core Villages
People Sensitized through NCD Awareness Sessions	4933	Sensitized on NCD reasons, symptoms, effects & treatment
Awareness Generation Camp on various Health Issues	8	Core Villages
No. of Participant in Health Awareness	1790	
Organize Sanitation & Hygiene Awareness	13	Sanitation Awareness, Nukkad Natak
Women Empowerment		

Annexure-

New SHG Formed	56	Core Villages
New Members added in SHGs	623	Core Villages
No. of Members doing Income Generating Activity	923	Core Villages
Skill Development		
Training Batch Completed	14 Batches	
Trainee Trained	285	
Trainee Placed	219	76%
Ongoing Training Batch	3 Batches (63 Trainees)	
Total No. of Trainee Enrolled	348	Trained & Ongoing
Road safety training and event organized with student	Total 110 Trainees Participated	
Rally organized on road safety in Bhatpara town	Total 140 Trainees Participated	
Mock drill to evacuate from building and training institute and fire. Evacuation training from height organized	Total 145 Trainees Participated	
Parent Teacher meeting being organized at institute	112 parents participated in meeting.	
Training on Financial inclusion organized at Institute and bankers invited for briefing.	114 trainee participated.	
Participated in event organised by district administration on startup business by District Administration.	180 youth participated.	
Participated in Republic Rally organized by District Administration and bagged the first prize by skill development trainee.	60 youth participated.	

Financial Statement

AMBUJA CEMENT FOUNDATION – Bhatapara		
EXPENSES DETAIL FROM 01-10-2019 to 31-03-2020		
S.NO	ACTIVITIES	LH SPEND
1	EDUCATION DEVELOPMENT	1307052
2	WATER RESOURCE MANAGEMENT	997726
3	HEALTH DEVELOPMENT	2067447
4	WOMEN ENPOWERMENT	672336
5	INFRASTRUCTURE	5879408

Annexure-

6	AGRO BASED ACTIVITIES	2049705
7	SKILL TRAINING	3199988
8	Community Welfare (Sports & cultural activities)	446818
9	ESTABLISHMENT	1411313
	TOTAL=	18031793

Activity Photographs.



Sprinkler



Farmers Training



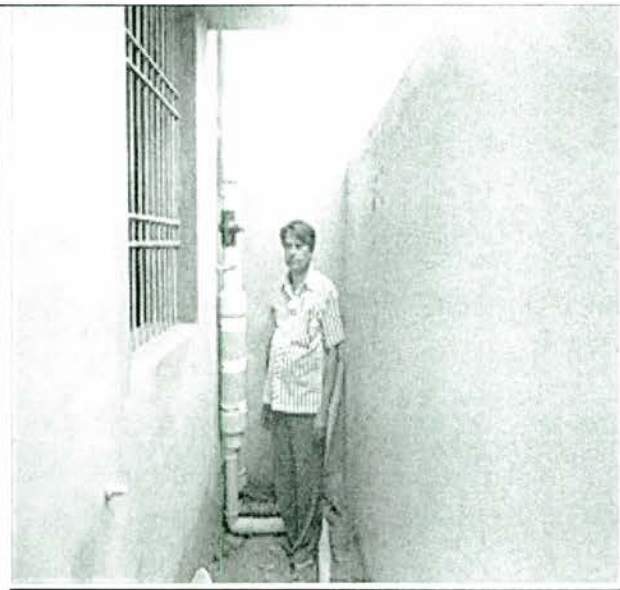
Foot Operated sprayer pump



Farmers training



Solar Light



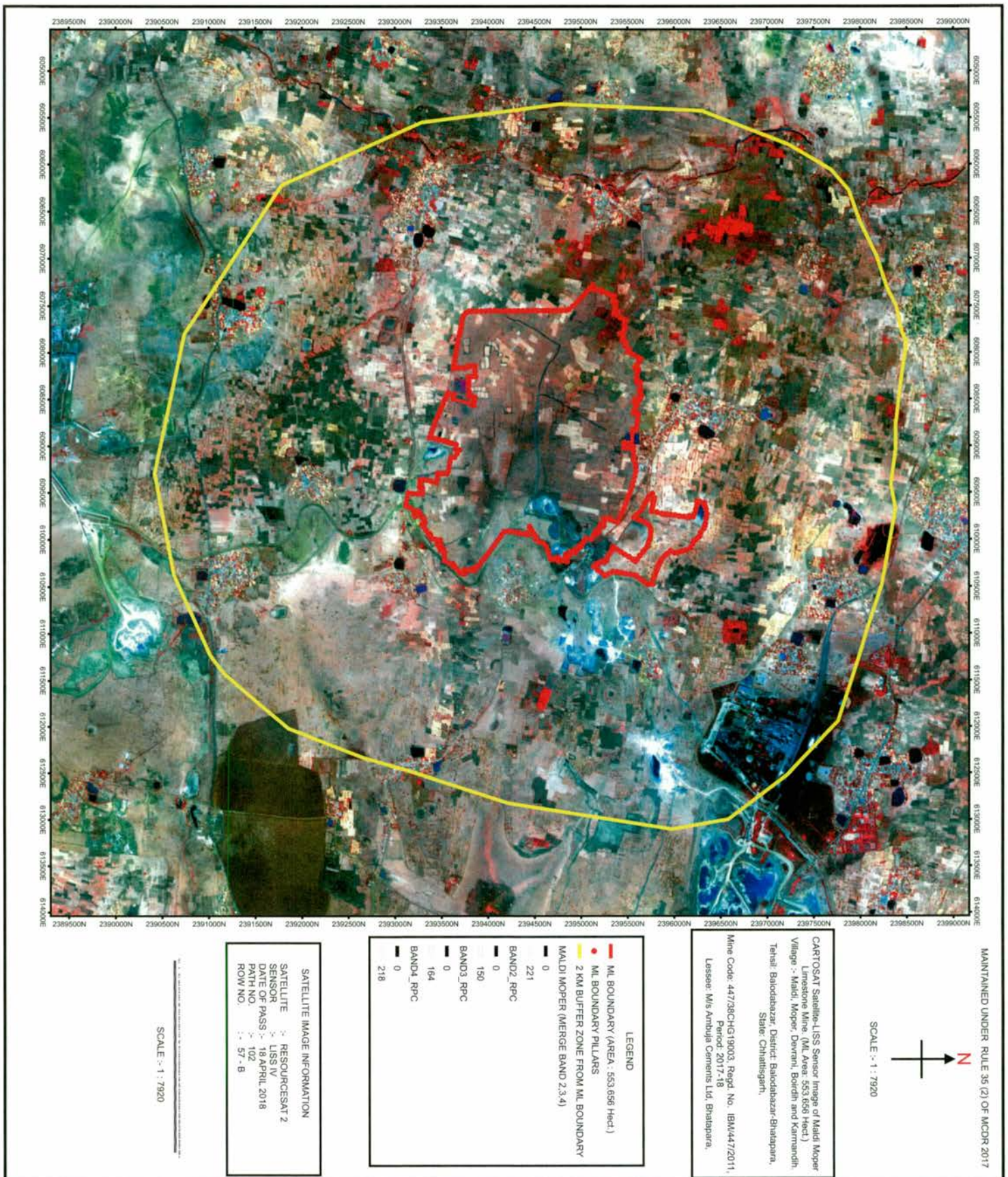
Water Recharge

PEAK PARTICLE VELOCITY

The Blast Vibration monitoring is being carried out for every blast at our Maldi Mines. The Minimate instrument records the peak particle velocity (mm/sec) and air over pressure induced by the blast.

The blast induced vibration recorded at Maldi mines is below the permissible limit of 5 mm/sec. The last recorded blast induced ground vibration by the instrument was 4.908 mm/sec on 21st Oct-19. Other blasts have even less intensity of blast induced ground vibration, that not even triggered the sensors to record it.

Type	Serial	Date	Time	No.	Trigger	Tran	Vert	Long	Mic	PVS1	Description
	No.			Chan		Peak	Peak	Peak	Peak	(mm/s)	
						(mm/s)	(mm/s)	(mm/s)	(pa./dB)		
W	BE16292	Oct 21 /19	11:34:29	4	Vert	3.016	3.937	3.508	107.8L	4.908	MALDI MINES



M/s Ambuja Cements Ltd. Six Monthly Ambient Noise Level Report of Month October -2019 to March-2020							
S.No.	MONTH	October-19		November-2019		December-19	
	Location	Noise Level (dB)		Noise Level (dB)		Noise Level (dB)	
		Day Time Leq.	Night Time Leq.	Day Time Leq.	Night Time Leq.	Day Time Leq.	Night Time Leq.
1	ACL Colony	53.4	44.3	52	42.5	51.9	42.7
2	Near Old CCR Building	56.3	53.6	57.4	53.4	58.1	52.6
3	Near Admin office	56.5	52.3	55.7	50.5	54.8	50.4
4	Maldi Mopar Mines Field Office	54.5	46.6	51.3	49.7	51.6	49.8
5	Rawan Mines South Block area	54.7	44.2	57.2	47.9	57.5	47.6
6	Rawan Mines North Block area	62.2	45.7	60.4	48.2	61.4	48.5
7	Rawan Mines Office	63.6	46.8	61.8	50.1	62.3	49.2
8	Main office	53.3	50.9	57.3	52.8	57.4	51.6
9	Maldi Mopar Mines Haulege Road	54.7	46.3	51.5	48.8	52.6	47.6
10	TPP area	61.8	62.5	69.6	65.6	68.6	64.9
11	New CCR Building	63.2	55.8	62.5	60.3	61.7	59.5
12	Security check post Rail Yard	61.2	56.4	60.9	58.8	60.7	57.6
S.No.	MONTH	January-20		February-20		March-20	
	Location	Noise Level (dB)		Noise Level (dB)		Noise Level (dB)	
		Day Time Leq.	Night Time Leq.	Day Time Leq.	Night Time Leq.	Day Time Leq.	Night Time Leq.
1	Maldi Mopar Mines Field Office	54.8	49.2	54.1	41.3	55.8	40.2
2	Rawan Mines South Block area	52.8	48.1	61.9	55.8	66.9	54.1
3	Rawan Mines North Block area	57.4	46.7	63.5	54.6	65.6	53.2
4	Main office	64.5	50.2	66.2	59.9	66.4	57.6
5	Maldi Mopar Mines Haulege Road	52	46.5	52.7	43.6	56.2	41.8
6	TPP area	65.6	63.8	72.4	68.9	70.5	64.2
7	New CCR Building	54.2	45.1	73.6	68.2	72.5	62.1
8	AFR office	56.1	51.6	72.1	64.2	74.1	61
9	Village Risdā	36.5	29.1	45.3	35.2	46.7	32.6
10	Village Rawan	38.6	32.4	53.9	39.5	56.7	35.6
11	Village Maldī	35.14	27.6	41.1	32.4	42.5	30.5
12	Village Dhandhani	36.1	30.7	43.2	28.3	46.7	27.8
13	Village Dhabadhi	35.67	28.3	41.5	34.2	42.9	31.2

Annexure-XV

M/s Ambuja Cements Ltd. Six Monthly Washing way water Report of Month October -2019 to March-2020

S. No.	Test Parameters Location	October-19					November-19					December-19				
		pH	COD (mg/l)	BOD (mg/l)	Oil & Grease (mg/l)	SS (mg/l)	pH	COD (mg/l)	BOD (mg/l)	Oil & Grease (mg/l)	SS (mg/l)	pH	COD (mg/l)	BOD (mg/l)	Oil & Grease (mg/l)	SS (mg/l)
1	Mines Work Shop (treated)	7.57	92	11.5	0.2	28	8.28	136	18	0.2	2	6.73	130.9	9.5	0.2	24
MONTH																
MONTH		January-20					February-20					March-20				
S. No.	Test Parameters Location	pH	COD (mg/l)	BOD (mg/l)	Oil & Grease (mg/l)	SS (mg/l)	pH	COD (mg/l)	BOD (mg/l)	Oil & Grease (mg/l)	SS (mg/l)	pH	COD (mg/l)	BOD (mg/l)	Oil & Grease (mg/l)	SS (mg/l)
1	Mines Work Shop (treated)	7.94	28	3	1	4	7.56	16	3	0.2	4	7.62	20	<3	0.1	<4

TRAINING ATTENDANCE SHEET

Course Name : Working near water
 Trainer Name : PRATEEK SHARMA
 Location : MINES
 Designation/ Trade : Mining
 Date : 23/12/19 Duration : 02 Hrs.

Sr. No.	Name	Department	Employee Code	Sign
1	Alok RAY	MINES	2005889	
2	Arjun Lal VERMA	MINES	2003811	
3	Birendra Kumar YADAV	MINES	2003922	
4	Brij Lal SAHU	MINES	2006976	
5	Chinta Ram DHRUW	MINES	2005938	
6	Hindesh CHANDEL	MINES	2004004	
7	Khem Singh VERMA	MINES	2007927	
8	Lakhan Lal VERMA	MINES	2003803	
9	Lakhan Lal VERMA	MINES	2003951	
10	Manoj Kumar VERMA	MINES	2003986	
11	Mohar Das GRITLAHARE	MINES	2006972	
12	Nandu SAHU	MINES	2004000	
13	Narad Prasad SAHU	MINES	2005939	
14	Narayan SAHU	MINES	2006986	
15	Naresh Nandu NAIDU	MINES	2003929	
16	Om Prakash SINGH	MINES	2003913	
17	Pasupathi Nath PANDEY	MINES	2003889	
18	Pokhan Lal VERMA	MINES	2003954	
19	Rajendra GIRI	MINES	2003872	
20	Ram Kumar VERMA	MINES	2004008	
21	Ramesh SHAH	MINES	2003992	
22	Rampyare VERMA	MINES	2007765	
23	Ramu Ram VERMA	MINES	2004012	
24	Shailendra Rao SHINDE	MINES	2005910	
25	Shankar Lal SEN	MINES	2007699	
26	Shiv Charan VERMA	MINES	2006962	
27	Shyam Kumar KHARGAVANSHI	MINES	2006989	
28	Som Nath GIRI	MINES	2003784	
29	Soyab ALAM	MINES	2003940	
30	Sukhdeo JANGHEL	MINES	2003999	
31	LOKESH RATHOUR	SANDVIK		
32	Pappu Kumar Singh	S.M.R		
33	Narad Kumar	Epiroc		
34	Manoj Sahu	Epiroc		
35				
36				
37				
38				
39				
40				

23/12/19.

TRAINING ATTENDANCE SHEET

Course Name : General Safety Training

Trainer Name : Amit Kumar

Location : Mines VT Room, Bhatapara

Designation/ Trade :

Date : 23/12/19.

Duration : 02 Hrs.

Sr. No.	Name	Department	Employee Code	Sign
1	Alok RAY	MINES	2005889	
2	Arjun Lal VERMA	MINES	2003811	
3	Birendra Kumar YADAV	MINES	2003922	
4	Brij Lal SAHU	MINES	2006976	
5	Chinta Ram DHURU	MINES	2005938	
6	Hindesh CHANDEL	MINES	2004004	
7	Khem Singh VERMA	MINES	2007927	
8	Lakhan Lal VERMA	MINES	2003803	
9	Lakhan Lal VERMA	MINES	2003951	
10	Manoj Kumar VERMA	MINES	2003986	
11	Mohar Das GRITLAHARE	MINES	2006972	
12	Nandu SAHU	MINES	2004000	
13	Narad Prasad SAHU	MINES	2005939	
14	Narayan SAHU	MINES	2006986	
15	Naresh Nandu NAIDU	MINES	2003929	
16	Om Prakash SINGH	MINES	2003913	
17	Pasupathi Nath PANDEY	MINES	2003889	
18	Pokhan Lal VERMA	MINES	2003954	
19	Rajendra GIRI	MINES	2003872	
20	Ram Kumar VERMA	MINES	2004008	
21	Ramesh SHAH	MINES	2003992	
22	Rampyare VERMA	MINES	2007765	
23	Ramu Ram VERMA	MINES	2004012	
24	Shailendra Rao SHINDE	MINES	2005910	
25	Shankar Lal SEN	MINES	2007699	
26	Shiv Charan VERMA	MINES	2006962	
27	Shyam Kumar KHARGAVANSHI	MINES	2006989	
28	Som Nath GIRI	MINES	2003784	
29	Soyab ALAM	MINES	2003940	
30	Sukhdeo JANGHEL	MINES	2003999	
31	LOKESH RATHOUR	SANDVIK		
32	Pappu Kumar Singh	S.M.R		
33	Manoj Kumar Singh	Epiroc		
34	Narad Kumar	Epiroc		
35				
36				
37				
38				
39				
40				

23/12/19

Sanjay Kumar YADAVA <sanjay.yadava@ambujacement.com>

Reg.Submission of Half Yearly EC Compliance Report along with Environmental Monitoring Report for the period April to Sept-2019 Maldi- Mopar Limestone Mine located at Maldi, Mopar, Devrani, Karmadiah and Boirdih Village.

1 message

Sanjay Kumar YADAVA <sanjay.yadava@ambujacement.com>

To: apcccentral-ngp-mef@gov.in, CPCB RD Bhopal <cpb.bhopal@gmail.com>, Head Office CECB <hocecb@gmail.com>, Regional Officer <rocecbraipur2014@gmail.com>, ecompliance-cg@gov.in

Bcc: Dinesh Singh PANWAR <dinesh.panwar@ambujacement.com>, Pandurang GIRAME <pandurang.girame@ambujacement.com>, Nitesh RAGHUVANSHI <nitesh.raghuvanshi@ambujacement.com>, Subbaraidu AYYAGARI <subbaraidu.ayyagari@ambujacement.com>, G V Rama Krishna <gv.ramakrishna@ambujacement.com>

Sat, Nov 16, 2019 at 4:30 PM

Ref: EC letter no. J-11015/252/2008-IA.II (M) dated 13th August, 2010.

Dear Sir/Madam,

Please find the enclosed herewith the six monthly Environment Clearance Compliance Report of stipulated conditions along with monthly Environmental Monitoring Report (April to Sept. -2019) for conditions stipulated the Environmental clearances Maldi- Mopar Limestone Mine located at Maldi, Mopar, Devrani, Karmadiah and Boirdih Villages.

This is for your kind information and record.

Thanks & Regards
Sanjay Yadav
Environment Dept.
Ambuja Cements Ltd.
Unit - Bhatapara,
Dist: Baloda BazaBhatapara, Chhattisgarh
Mobile - 8982073666

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o/c

Ambuja Cement

REF: ACL/ENV/2019-20/80

Date : 22.08.2019

To,
The Member Secretary
Chhattisgarh Environment Conservation Board,
Paryavas Bhavan, North Block Sector-19,
Naya Raipur(C.G.) 490099

Sub : Submission of Environmental Statement (Form-V) of Cement Plant (including Line-1 & Line-2), Lime Stone Mine (Rawan and Maldi Mopar), CPP and DGs. M/s Ambuja Cements Limited, Unit-Bhatapara for the year 2018-19.

Sir,


Please find enclosed herewith dully filled Form -- V (see rule 14), Environment Statement Report (2018-19) for your kind perusal.

Please note that this report is based on Cement Plant (including Line-1 & Line-2), Lime Stone Mine (Rawan and Maldi Mopar), Captive Power Plant and DGs.

Hope you will find the same in order.

Thanking you,

For Ambuja Cements Limited.
(Unit- Bhatapara)


G.V. Rama Krishna
Manufacturing Cluster Head (East)

CC. :

The Regional Officer, CECB, Kabir Nagar Commercial Complex , Chhattisgarh Housing Board Colony,
Kabir Nagar, Raipur (C.G.)



AMBUJA CEMENTS LIMITED – UNIT: BHATAPARA
P.O. Rawan, Tehsil Baloda Bazar, Dist. Baloda Bazar – 493 331 (C.G.)
Ph.: 07727-220010 to 15, Fax: 220004