



Ref: ACL/BYT/ENV/2024-2025/60

Date: 22.05.2024

To,  
Regional Officer,  
Integrated Regional office,  
Ministry of Environment, Forest & Climate Change,  
Aranya Bhawan, North Block,  
Sector-19, Naya Raipur, Atal Nagar,  
Chhattisgarh 492002.

**Sub:** Submission of Half Yearly Environment Clearance Compliance Report along with Environmental Monitoring Report for the period **October 2023 to March 2024** for Rawan Limestone Mines.

Ref: EC letter no. J-11015/330/2006-IA II (M) dated 8<sup>th</sup> June 2007.

Dear Sir,

Please find the enclosed herewith the six-monthly Environment Clearance compliance report along with Environmental Monitoring report from **October 2023 to March 2024**, for our Rawan Limestone Mine at Village & Post office-Rawan, Distt. Balodabazar, Chhattisgarh.

This is for your kind information and record.

Thanking you.

Yours Sincerely,  
For Ambuja Cements Limited  
(Unit: Bhatapara)

*Kaushal*

(Kaushal Kumar Mishra)  
Chief Operation Manager



Encl.: Six Monthly Environment Clearance compliance report along with Environment Monitoring report.

Cc : 1. CPCB, Zonal Office, Vithal Market, Paryavaran Parisar, E-5 Arera Colony Bhopal (MP) -462016

2. The M.S., CECB, Paryavas Bhavan, North Block Sector-19, Atal Nagar (C.G.) 490099.

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

Ambuja Cements Limited  
(Unit - Bhatapara)  
P.O. - Rawan, Tehsil : Balodabazar,  
District : Balodabazar-Bhatapara - 493 331  
Chhattisgarh, India

CIN : L26942GJ1981PLC004717

Registered Office :  
Adani Corporate House,  
Shantigram, S.G. Highway,  
Khodiyar, Ahmedabad- 382421  
Gujarat, India  
Ph + 91 79-2555 5555  
www.ambujacement.com

**Environment Clearance Half Yearly Compliance Report  
(October 2023 – March 2024)**

**of**

**Rawan Limestone Mine  
(Capacity: 6.31 MTPA, ML Area: 420.95 Ha.)**

**Located at**

**P.O. Rawan, Tehsil- Baloda Bazar,  
District-Baloda Bazar- Bhatapara, Chhattisgarh**



**M/s AMBUJA CEMENTS LTD.**

**(Unit: Bhatapara)**

**P.O.: Rawan, Tehsil. & Dist.: Baloda Bazar - Bhatapara  
Chhattisgarh - 493331, India**

**Compliance Status of Environmental Clearance Conditions accorded by MoEF&CC for the Expansion Project of Rawan Limestone Mine from 2.06 MTPA to 6.31 MTPA of M/s Ambuja Cements Ltd. Located at P.O. Rawan, Tehsil: Baloda Bazar, District Raipur, Chhattisgarh. Ref. no. J-11015/330/2006-IA II (M), dated : 8th June 2007**

Sr. No.	EC Conditions	Compliance Status as On 22 May 2024
<b>A. Specific Conditions</b>		
i.	Topsoil shall be stacked properly with proper slope with adequate safeguards and shall be backfilled for reclamation and rehabilitation of mined out area.	<b>Being complied.</b> Topsoil is stacked separately and utilization for reclamation and rehabilitation of mined out area and green belt development.
ii.	Over burden 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 20 m each stage shall preferably be of 10 m and over all slope of the dump shall not exceed 26°. The reverse slope shall be maintained to prevent wash off and water logging during rainy season. The mine pit area shall be reclaimed by back filling the OB in a phased manner. The OB dump shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall submit to the Ministry Of Environment & Forests on six month basis.	<b>Complied.</b> The overburden dumps are having maximum height of 20 m and overall slope of 26° is being maintained. The reverse slope is being maintained to prevent wash off and water logging during rainy season. The mine pit area reclamation is being done by back filling the OB in phased manner. The OB is stacked at non mineralized area. Inactive OB dumps are being stabilized by coir matting followed by plantation of native plant species. Six monthly compliance is being submitted regularly to MoEF&CC Regional Office, Raipur. Last Six -monthly compliance report was submitted via mail dated 08.12.2022 copy is enclosed as <b>Annexure-I.</b>
iii.	Garland drains shall be constructed to arrest silt and sediment flows from soil, and mineral dumps. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. Garland drain (size, gradient and length) shall be constructed for both mine pit and for waste dump and sump capacity shall be designed 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 shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals. .	<b>Complied.</b> Garland drains are constructed around the dumps to arrest silt and sediment flows. The drains are connected to a settling tank or mine pits and accumulated water is being used for dust suppression, plantation etc. De-silting of garland drains is carried out at regular intervals. Photograph is enclosed as <b>Annexure-II.</b>

Sr. No.	EC Conditions	Compliance Status as On 22 May 2024
iv.	Controlled drilling and blasting shall be done by using dust extractors/wet drilling.	<b>Complied</b> Controlled blasting using non-electric delay initiation system is being practiced. Drilling is carried out with drill machines equipped with dust collector as well as water injection. Photograph is enclosed as <b>Annexure-III</b> .
v.	Plantation shall be raised in an area of 98.04 ha including green belt of adequate width by planting the native species around the ML area, roads, OB dump sites etc. in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha.	<b>Being Complied.</b> Phase wise plantation is being carried out as approved mine plan in safety zone, along roads and on inactive OB dumps as shown in <b>Annexure IV</b> . The density of plantation is maintained at around 2500 plants per ha.
vi.	The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	<b>Complied.</b> Conservation measures to augment ground water resources in the mine area in consultation with the Regional Director, Central Ground Water Board. Rainwater accumulates in the mines pit percolate to the ground thereby recharging the ground water table, Photographs enclosed <b>Annexure V</b> .
vii.	Regular monitoring of ground water level and quality shall be carried out by establishing well and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year-pre-monsoon (April-May), monsoon (August), Post Monsoon (November) and winter (January) and the data thus collected may be sent regularly to MOEF, Central Ground Water Authority and Regional Director Central Ground Water Board.	<b>Complied</b> Three Piezometers are established in the ML area. Ground water level and quality is being monitored Post Monsoon (November) and winter (January). Water level monitoring and water quality analysis results enclosed as <b>Annexure-VI</b> . The installation work of Piezometers with telemetry system has been installed and photographs of same is attached as <b>Annexure VI - a</b>
viii.	Prior permission from the competent authority shall be obtained for drawl of ground water, if any.	<b>Complied.</b> We have obtained the NOC from CGWA copy enclosed as <b>Annexure-VII</b>
ix.	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded.	<b>Complied</b> Transportation of mineral from crusher to plant by the fully covered belt conveyer and vehicles used for mineral transportation are maintained periodically to control exhaust emissions and all the vehicles are PUC certified. Overloading vehicles transporting minerals within the mine lease is strictly prohibited.
x.	A final mine closure plan, along with details of corpus fund, shall be submitted to the Ministry of Environment & Forests and Climate Change 5 years in advance of final mine closure for approval.	<b>Noted for compliance.</b> Final mine closure plan, along with details of corpus fund, will be submitted to MoEF&CC, 5 years in advance of final mine closure.

Sr. No.	EC Conditions	Compliance Status as On 22 May 2024
<b>B. General Conditions</b>		
i.	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests and Climate Change.	<b>Noted and Complied</b> No change in mining technology and scope of working will be made without prior approval of MoEF&CC.
ii.	No change in the calendar plan including excavation, quantum of mineral limestone ore shall be made.	<b>Noted and Complied</b> Limestone is being produced as per the calendar plan and EC permission.
iii.	Conservation measures for protection of flora and fauna in the core and buffer zone shall be drawn up in consultation with the local forest and wildlife department.	<b>Noted and complied.</b> Thick plantation using local flora species is being carried out on safety zone, along transport roads and on inactive dumps with consultation of Forest Department. Fencing of the mining area is being carried out to avoid inadvertent entry of persons/animals. Plantation Survey has been conducted by consultant. The records available with industry.
iv.	Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, SO <sub>2</sub> , NO <sub>x</sub> 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.	<b>Complied</b> Ambient Air quality monitoring locations have been established in the core zone and in buffer area. Regular air quality monitoring is being carried out by NABL Accredited lab Monitoring report is enclosed as <b>Annexure-VI</b> .
v.	Data on ambient air quality (RPM, SPM, SO <sub>2</sub> and NO <sub>x</sub> ) 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.	<b>Complied</b> Four CAAQMS installed and its connectivity given to CPCB and CECB. Ambient air quality is regularly monitored by NABL accredited Lab and reports are submitted to regional office of MoEF&CC, CECB & CPCB regularly.
vi.	Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.	<b>Complied</b> Mobile water sprinklers are provided for periodic water sprinkling on haul roads and fix sprinklers installed at loading and unloading points, etc. Regular water sprinkling is being carried out at fugitive dust emission sources to control dust emissions. Photograph enclosed as <b>Annexure- VIII</b> .

Sr. No.	EC Conditions	Compliance Status as On 22 May 2024
vii.	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.	<b>Complied</b> Periodic maintenance of machinery used in mines is carried out to control noise below 85 dBA. Workers engaged in drilling & HEMM operations are provided with ear plugs/Muffs. Periodic noise level monitoring is conducted. The Ambient Noise monitoring report enclosed as <b>Annexure-VI</b> .
viii.	Industrial wastewater (workshop and wastewater 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.	<b>Complied</b> There is no process effluent generation in the mines. Effluent from workshop in the mine is treated in Oil and Grease trap system provided in the workshop. Surface run-off from the broken-up area is collected in settling tank/mine pits and is used for dust suppression and plantation. Analysis report is enclosed as <b>Annexure- VI</b> .
ix.	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.	<b>Complied</b> Protective Respiratory Devices (dust masks) are provided & safety appliances are being used by the workers. Shoes, dust mask, helmet & ear plug, have been provided & pre-employment and refresher safety training is being given to all the workers.
x.	Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	<b>Complied</b> Occupational health surveillance program for all workers are undertaken periodically as per Mine Acts.
xi.	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.	<b>Complied</b> Environmental Management Cell has been established under supervision of Environmental Manager. The Environmental Manager directly reports to the Unit Head.
xii.	The project authorities shall inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	<b>Complied</b> Annual financial closures is on 31 <sup>st</sup> December • Environmental Clearance granted by MOEF vide letter no. J-11015/330/2006-IA II (M) date:08.06.2007 • Mine is in operation since 1984.

<b>Sr. No.</b>	<b>EC Conditions</b>	<b>Compliance Status as On 22 May 2024</b>
xiii.	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 Bhopal.	The environmental expenditure for the period October 2022 to March 2023 is enclosed as <b>Annexure IX</b>
xiv	The project authority shall inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	<b>Complied</b> Annual financial closures is on 31 <sup>st</sup> December • Environmental Clearance granted by MOEF vide letter no. J-11015/330/2006-IA II (M) date:08.06.2007. Mine is in operation since 1984.
xv.	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.	<b>Noted.</b>
xvi	A copy of clearance letter will be marked to concerned Panchayat/ local NGO, if any, from whom suggestion/representation has been received while processing the proposal.	<b>Complied.</b>
xvii.	State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.	<b>Complied.</b>
xviii	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at the website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same shall be forwarded to the Regional Office of this Ministry located in Bhopal.	<b>Complied.</b> Published in Central chronical, Raipur dated 15.06.2018 and Harit Bhumi Raipur dated 15.06.2018, Copy is enclosed as <b>Annexure-X</b>

<b>Sr. No.</b>	<b>EC Conditions</b>	<b>Compliance Status as On 22 May 2024</b>
5.	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.	<b>Noted.</b>
6.	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.	<b>Noted.</b>
7.	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. Hazardous Wastes (Management and Handling) Rules, 2003 and the Public (insurance) Liability Act, 1991 along with their amendments and rules.	<b>Noted</b>



## ACL BHATAPARA \_Half Yearly EC Compliance Report Rawan Limestone Mine \_ April 2023 - Sept 2023

Subash Awasthy <subhash.awasthi@adani.com>

Mon 27/11/2023 18:26

To: IRO Raipur <iro.raipur-mefcc@gov.in>

Cc: cpcb.bhopal@gmail.com <cpcb.bhopal@gmail.com>; ecompliance-cg@gov.in <ecompliance-cg@gov.in>; Head Office CECB (hocecb@gmail.com) <hocecb@gmail.com>; Regional Officer (rocecbraipur2014@gmail.com) <rocecbraipur2014@gmail.com>; Sanjay Prasad <Sanjay.Prasad@adani.com>; Mohit Kumar Chauhan <MohitKumar.Chauhan@adani.com>; Sheeba Khan <sheeba.khan@adani.com>

 1 attachments (8 MB)

ACL BHATAPARA \_Half Yearly EC Compliance Report Rawan Limestone Mine \_ April 2023 - Sept 2023.pdf.pdf;

Dear Sir,

Please find enclosed herewith Half yearly EC Compliance Report of stipulated conditions along with Monthly Environmental Monitoring Report for the period (April 2023 to September 2023) Ambuja Cements Ltd. Bhatapara Rawan Limestone Mine. Copy of same will be uploaded on the company & MOEFCC website shortly .

This is for your kind information and record please.

Regards

SUBHASH AWASTHI

**Deputy General Manager (Environment & Sustainability)**

I Ambuja Cements Limited I Rawan Village I Balodabazar District I

I Chhattisgarh I Pin - 493331 I

I Mobile- +91-8982073666 I Email – [subhash.awasthi@adani.com](mailto:subhash.awasthi@adani.com) I [www.adani.com](http://www.adani.com) I

**adani**

Growth  
with  
Goodness

Our Values: Courage | Trust | Commitment



## Annexure II

Garland Drain





## Annexure III



Typical View of Drill with Dust Extractor system equipped with water injection system



**Green Belt Development**











## Annexure V





## Annexure VI

### Typical View of Digital Piezo Level Monitoring







**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

**TO,**  
**AMBUJA CEMENT LIMITED**  
**(UNIT: BHATAPARA)**  
**P.O. Rawan, Tehsil: Baloda Bazar,**  
**Dist.: Baloda Bazar-Bhatapara-493331**

SAMPLING MONTH

OCTOBER-2023 to MARCH-2024

TYPES OF REPORT

HALF YEARLY MONTHLY AVERAGE REPORT

**SAMPLE DETAILS**

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	2800956665/NE08 Date:10/06/2023
SAMPLING LOCATION	CORE ZONE RAWAN LIMESTONE MINE SOUTH BLOCK WORKSHOP		
DURATION OF SAMPLING	24 HOURS		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

**Test Method and NAAQM Standard for Ambient Air Quality Monitoring**

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	IS 5182 (Part 24): 2019 CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182 (Part 10): 1999, RA 2003	4.0

Sampling Location	Date of Sampling	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>
<b>RAWAN LIMESTONE MINE SOUTH BLOCK WORKSHOP</b>	OCT-2023	49.84	16.38	15.85	16.48	0.64
	NOV-2023	60.41	18.03	16.75	17.68	0.73
	DEC-2023	64.76	20.61	20.56	21.1	0.78
	JAN-2024	72.27	25.05	20.07	21.23	0.78
	FEB-2024	72.61	22.05	21.23	21.30	0.81
	MAR-2024	73.50	23.11	20.81	20.80	0.79

**Terms & conditions**

- > The report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above test(s) only.

  <b>REVIEWED BY</b>	  <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	  <b>AUTHORIZED SIGNATORY</b>
----------------------------	---	-------------------------------------

-----End of the test report-----





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 / email - [ultimatenviro@gmail.com](mailto:ultimatenviro@gmail.com)

## Name &amp; Address Of The Customer

**TO,**  
**AMBUJA CEMENT LIMITED**  
**(UNIT: BHATAPARA)**  
**P.O. Rawan, Tehsil: Baloda Bazar,**  
**Dist.: Baloda Bazar-Bhatapara-493331**

## SAMPLING MONTH

OCTOBER-2023 to MARCH-2024

## TYPES OF REPORT

HALF YEARLY MONTHLY AVERAGE REPORT

## SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	2800956665/NE08 Date:10/06/2023
SAMPLING LOCATION	CORE ZONE RAWAN LIMESTONE MINE NORTH BLOCK FIELD OFFICE		
DURATION OF SAMPLING	24 HOURS		
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

## Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	IS 5182 (Part 24): 2019 CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182 (Part 10): 1999, RA 2003	4.0

Sampling Location	Date of Sampling	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>
RAWAN LIMESTONE MINE NORTHBLOCK FIELD OFFICE	OCT-2023	57.77	16.33	16.25	16.93	0.66
	NOV-2023	63.50	17.50	17.96	18.21	0.77
	DEC-2023	71.20	22.43	19.30	21.40	0.81
	JAN-2024	72.40	22.60	20.50	22.50	0.71
	FEB-2024	72.16	22.47	20.76	22.72	0.79
	MAR-2024	76.05	22.20	20.66	22.07	0.82

## Terms &amp; conditions

- > The report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above test(s) only.

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

End of the test report





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 | email - ultimatenviro@gmail.com

Format No.: UES/FORM/09

<b>Name &amp; Address of The Customer</b>		<b>MONTH OF SAMPLING</b>		<b>OCTOBER-2023 TO MARCH-2024</b>	
<b>TO,</b> <b>AMBUJA CEMENT LIMITED</b> <b>(UNIT: BHATAPARA)</b> <b>P.O. Rawan, Tehsil: Baloda Bazar,</b> <b>Dist.: Baloda Bazar-Bhatapara-493331</b>		<b>TYPES OF REPORT</b>		<b>HALF YEARLY MONTHLY AVERAGE REPORT</b>	
<b>SAMPLE DETAILS</b>					
<b>SAMPLE TYPE</b>	<b>SURFACE WATER</b>		<b>ORDER /REFERENCE:</b>		<b>2800956665/NE08, Date 10/06/2023</b>
<b>CUSTOMER SAMPLE ID</b>	<b>RAWAN MINES GROUND WATER BORE WELL</b>		<b>MALDI MOPER GROUND WATER BORE WELL</b>		
<b>PACKING OF SAMPLE</b>	3 L X 1 NO. PVC CAN 1 L X 1 NO. PVC CAN 1 L X 1 NO. GLASS BOTTLE	<b>SEALED</b>	<b>SAMPLE COLLECTED BY</b>		<b>CHEMIST</b>
<b>SAMPLING PROCEDURE</b>	<b>IS: 3025 (PART I): 1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39</b>		<b>QUANTITY RECEIVED</b>		<b>5 LTR</b>

### TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT	
				Acceptable Limit	Permissible limit		
						RAWAN MINES GW BORE WELL	MALDI MOPAR GW BORE WELL
1	Colour	Hazen	IS:3025:(Part-4)	5	15	1	1
2	Odour	-	IS:3025:(Part-5)	Agreeable	Agree	Agree	Agree
3	Taste	-	IS:3025:(Part-8)	Agreeable	Agree	Agree	Agree
4	pH	-	APHA 23 <sup>rd</sup> Ed.2017,4500-H <sup>+</sup> -B, 4-92	6.5-8.5	No Relax	7.71	7.48
5	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed.2017,2130-B,2-13	1	5	0.70	0.74
6	Electrical Conductivity	µS/cm	IS 3025(part-14):1984, RA 2013	-	-	475.6	387.8
7	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	284	232
8	Alkalinity Total (as CaCO <sub>3</sub> )	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	102	126.0
9	Total Hardness (as CaCO <sub>3</sub> )	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,2340-C, 2-44,45	200	600	164	148.0
10	Calcium (as Ca)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3500-Ca-B, 3-67	75	200	43.29	44.09
11	Magnesium (as Mg)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3500-Mg-B, 3-84	30	100	13.64	9.23
12	Chloride (as Cl)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-Cl-B, 4-72	250	1000	32.9	28.9
13	Sulphate (as SO <sub>4</sub> )	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-SO <sub>4</sub> -E, 4-190	200	400	24.75	32.02
14	Nitrate (as NO <sub>3</sub> )	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-NO <sub>3</sub> -B, 4-122	45	No Relax	4.32	6.9
15	Boron (as B)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-B-B, 4-25	0.5	1.0	BDL	BDL
16	Iron (as Fe)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-B,3-18	0.3	No Relax	0.03	0.01
17	Fluoride (as F)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-F-B & D, 4-84 & 87	1	1.5	0.01	0.02
18	Manganese (as Mn)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-B, 3-18	0.1	0.3	BDL	BDL
19	Lead (as Pb)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-B, 3-18	0.01	No Relax	BDL	BDL
20	Zinc (as Zn)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111	5	15	BDL	BDL
21	Copper (as Cu)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-	0.05	1.5	BDL	BDL





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 | email - ultimatenviro@gmail.com

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT	
				Acceptable Limit	Permissible limit	RAWAN MINES GW BORE WELL	MALDI MOPAR GW BORE WELL
			B, 3-18				
22	Cadmium (as Cd)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3500-Cd, 3-105	0.003	No Relax	BDL	BDL
23	Mercury (as Hg)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3112-B, 3-23	0.001	No Relax	BDL	BDL
24	Arsenic (as as)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3114-C, 3-38	0.01	0.05	BDL	BDL
25	Aluminum (as Al)	mg/Lit	IS:3025:(Part-2)	0.01	No Relax	BDL	BDL
26	Total Chromium (as Cr)	mg/Lit	IS:3025:(Part-2)	0.05	No Relax	BDL	BDL

### Microbiological Analysis

1	Total Coliform	MPN/100 ML	IS: 1622:1981:RA:2019	Shall not be detectable in any 100 ml sample	Absent	Absent
2	E. Coli	MPN/100ml	IS: 1622:1981:RA:2019	Shall not be detectable in any 100ml sample	Absent	Absent

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

### REMARKS: RESULTS ARE AS ABOVE

#### Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

-----End of the test report-----





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 | email - ultimatenviro@gmail.com

Format No.: UES/FORM/09

<b>Name &amp; Address of The Customer</b> <b>TO,</b> <b>AMBUJA CEMENT LIMITED</b> <b>(UNIT: BHATAPARA)</b> <b>P.O. Rawan, Tehsil: Baloda Bazar,</b> <b>Dist.: Baloda Bazar-Bhatapara-493331</b>		<b>MONTH OF SAMPLING</b>  OCTOBER-2023 to MARCH-2024
		<b>TYPES OF REPORT</b>  HALF YEARLY MONTHLY AVERAGE REPORT
<b>SAMPLE DETAILS</b>		
<b>SAMPLE TYPE</b>	RO DRINKING WATER	<b>ORDER /REFERENCE:</b> 2800956665/NE08, Date 10/06/2023
<b>CUSTOMER SAMPLE ID</b>	RAWAN MINES RO DRINKING WATER	MALDI MOPER RO DRINKING WATER
<b>PACKING OF SAMPLE</b>	3 L X 1 NO. PVC CAN 1 L X 1 NO. PVC CAN 1 L X 1 NO. GLASS BOTTLE	SEALED <b>SAMPLE COLLECTED BY</b> CHEMIST
<b>SAMPLING PROCEDURE</b>	IS:3025(PART I):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39	<b>QUANTITY RECEIVED</b> 5 LTR

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT	
				Acceptable Limit	Permissible limit	RAWAN MINES RO DRINKING WATER	MALDI MOPAR RO DRINKING WATER
1	Colour	Hazen	IS:3025:(Part-4)	5	15	1	1
2	Odour	-	IS:3025:(Part-5)	Agreeable	Agree	Agree	Agree
3	Taste	-	IS:3025:(Part-8)	Agreeable	Agree	Agree	Agree
4	pH	-	APHA 23 <sup>rd</sup> Ed.2017,4500-H <sup>+</sup> -B, 4-92	6.5-8.5	No Relax	7.61	7.56
5	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed.2017,2130-B,2-13	1	5	0.48	0.56
6	Electrical Conductivity	μS/cm	IS 3025(part-14):1984, RA 2013	-	-	288.9	302.5
7	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	172	179.4
8	Alkalinity Total (as CaCO <sub>3</sub> )	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	84.0	62.0
9	Total Hardness (as CaCO <sub>3</sub> )	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,2340-C, 2-44,45	200	600	154	126
10	Calcium (as Ca)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3500-Ca-B, 3-67	75	200	42.48	18.95
11	Magnesium (as Mg)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3500-Mg-B, 3-84	30	100	11.66	11.66
12	Chloride (as Cl)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-Cl-B, 4-72	250	1000	9.9	8.9
13	Sulphate (as SO <sub>4</sub> )	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-SO <sub>4</sub> -E, 4-190	200	400	5.6	4.56
14	Nitrate (as NO <sub>3</sub> )	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-NO <sub>3</sub> -B, 4-122	45	No Relax	1.12	1.21
15	Boron (as B)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-B-B, 4-25	0.5	1.0	BDL	BDL
16	Iron (as Fe)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-B,3-18	0.3	No Relax	BDL	BDL
17	Fluoride (as F)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-F-B & D, 4-84 & 87	1	1.5	BDL	BDL
18	Manganese (as Mn)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-B, 3-18	0.1	0.3	BDL	BDL
19	Lead (as Pb)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-B, 3-18	0.01	No Relax	BDL	BDL





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 | email - ultimatenviro@gmail.com

Format No.: UES/FORM/09

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT	
				Acceptable Limit	Permissible limit		
						RAWAN MINES RO DRINKING WATER	MALDI MOPAR RO DRINKING WATER
20	Zinc (as Zn)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-B, 3-18	5	15	BDL	BDL
21	Copper (as Cu)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-B, 3-18	0.05	1.5	BDL	BDL
22	Cadmium (as Cd)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3500-Cd, 3-105	0.003	No Relax	BDL	BDL
23	Mercury (as Hg)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3112-B, 3-23	0.001	No Relax	BDL	BDL
24	Arsenic (as as)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3114-C, 3-38	0.01	0.05	BDL	BDL
25	Aluminum (as Al)	mg/Lit	IS:3025:(Part-2)	0.01	No Relax	BDL	BDL
26	Total Chromium (as Cr)	mg/Lit	IS:3025:(Part-2)	0.05	No Relax	BDL	BDL
<b>Microbiological Analysis</b>							
1	Total Coliform	MPN/100 ML	IS: 1622:1981:RA:2019	Shall not be detectable in any 100 ml sample		Absent	Absent
2	E. Coli	MPN/100ml	IS: 1622:1981:RA:2019	Shall not be detectable in any 100ml sample		Absent	Absent

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

**REMARKS: RESULTS ARE AS ABOVE**

### Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

-----End of the test report-----





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 /email - ultimatenviro@gmail.com

<b>Name &amp; Address Of The Customer</b>		<b>MONTH OF SAMPLING</b>	OCTOBER-2023 to MARCH-2024
<b>TO,</b> <b>AMBUJA CEMENT LIMITED</b> <b>(UNIT: BHATAPARA)</b> <b>P.O. Rawan, Tehsil: Baloda Bazar,</b> <b>Dist: Baloda Bazar-Bhatapara-493331</b>		<b>TYPES OF REPORT</b>	HALF YEARLY MONTHLY AVERAGE REPORT
<b>SAMPLE DETAILS</b>			
Monitoring For	Work Place Air Monitoring (MINES)		
Customer Ref. No. & Date	2800956665/NE08, Date:10/06/2023		
Duration Of Sampling	8 Hours		
Sample Collected By	Laboratory Chemist		
Sampling Procedure	As Per Method Reference		
Sample Quantity/Packing	GMF Filter Paper (8 X 10 Inch): 1x1 No.		

## TEST REPORT

Parameter	Unit	Result (SPM)	The Environment (Protection) Rules, 1986 Standard	Method Reference
Rawan Mines South Block Field Office	$\mu\text{g}/\text{m}^3$	1598	2000	EPA Method Io - 2.1
Rawan Mines North Block Field Office	$\mu\text{g}/\text{m}^3$	1567		
Rawan Mines South Block Haulage Road	$\mu\text{g}/\text{m}^3$	1670		
Rawan Mines North Block Haulage Road	$\mu\text{g}/\text{m}^3$	1681		
Maldi Mines Workshop Area	$\mu\text{g}/\text{m}^3$	1561		
Maldi Mines Haulage Road	$\mu\text{g}/\text{m}^3$	1601		

### Terms & conditions

- > The report for publication, arbitration or as the legal dispute is forbidden.
- > Test sample will be retained for 15 days after issue of test report unless otherwise agreed with the customer.
- > This is for information as the party has asked for the above test (s) only.

 <b>REVIEWED BY</b>	 <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	 <b>AUTHORIZED SIGNATORY</b>
------------------------	---	---------------------------------

-----End of the test report-----





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 / email - ultimatenviro@gmail.com

Name &amp; Address of The Customer

**TO,**  
**AMBUJA CEMENT LIMITED**  
**(UNIT: BHATAPARA)**  
**P.O. Rawan, Tehsil: Baloda Bazar,**  
**Dist: Baloda Bazar-Bhatapara-**  
**493331**

MONTH OF SAMPLING

OCTOBER-2023 to MARCH-2024

TYPES OF REPORT

HALF YEARLY MONTHLY AVERAGE REPORT

## SAMPLE DETAILS

MONITORING FOR NOISE LEVEL MONITORING

CUSTOMER REF. NO. &amp; DATE 2800956665/NE08, Date 10/06/2023

SAMPLING LOCATION MINES (CORE ZONE)

SAMPLE COLLECTED BY LABORATORY CHEMIST

SAMPLING PROCEDURE IS 9989:1981:RA 2001

## TEST REPORT

LOCATION	UNIT	RESULT		LIMIT (INDUSTRIAL ZONE)	
		DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
<b>Industrial Area</b>					
MALDI MINES OFFICE	dB(A)	67.2	59.8	75	70
RAWAN MINES NORTH BLOCK FEILD OFFICE	dB(A)	69.0	59.3		
RAWAN MINES SOUTH BLOCK FEILD OFFICE	dB(A)	70.8	52.9		
MALDI MINES CRUSHER AREA	dB(A)	71.0	62.7		

## REMARKS: RESULTS ARE AS ABOVE

## Terms &amp; conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

-----End of the test report-----





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 | email - ultimatenviro@gmail.com

Format No.: UES/FORM/09

Name & Address Of The Customer

**TO,**  
**AMBUJA CEMENT LIMITED**  
**(UNIT: BHATAPARA)**  
**P.O. Rawan, Tehsil: Baloda Bazar,**  
**Dist: Baloda Bazar-Bhatapara-493331**

DATE OF SAMPLING

OCTOBER-2023 to MARCH-2024

TYPES OF REPORT

HALF YEARLY MONTHLY AVERAGE REPORT

#### SAMPLE DETAILS

MONITORING FOR	SOIL	CUSTOMER REF. NO. & DATE	2800956665/NE08, Date 10/06/2023
SAMPLING LOCATION	1. RAWAN MINES 2. MALDI MINES		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	MANUAL ON SOIL, PLANT & WATER ANALYSIS		
SAMPLE QUANTITY/PACKING	3.0 KG (APPROX)		

## TEST REPORT

Sr. No	Parameter	Unit	Method Reference	Rawan Mines	Maldi Mines
<b>A. PHYSICAL PROPERTIES</b>					
1	Gravel	%	AGRICULTURE SOIL MANUAL	7.32	11.15
2	Moisture	%	AGRICULTURE SOIL MANUAL	19.23	18.20
3	Texture	-	AGRICULTURE SOIL MANUAL	CLAY LOAM	CLAY LOAM
4	Bulk density	g/cm <sup>3</sup>	AGRICULTURE SOIL MANUAL	1.3	1.3
<b>PARTICLE SIZE DISTRIBUTION</b>					
5	Sand	%	AGRICULTURE SOIL MANUAL	42.4	45.2
	Silt	%	AGRICULTURE SOIL MANUAL	27.3	26.0
	Clay	%	AGRICULTURE SOIL MANUAL	20.3	30.2
6	Permeability	cm/sec	AGRICULTURE SOIL MANUAL	10 <sup>-7</sup>	10 <sup>-4</sup>
7	Water Holding Capacity	%	AGRICULTURE SOIL MANUAL	17.02	18.10
<b>B. CHEMICAL PROPERTIES</b>					
8	pH (1:2.5 Aq. Extract) At 25°C	-	IS: 2720: (PART-26):1987 RA 2011	7.20	7.26
9	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	IS: 14767:2000 RA 2016	240	241
10	Total Organic matter	%	AGRICULTURE SOIL MANUAL	4.19	4.10
11	Total Organic Carbon	%	AGRICULTURE SOIL MANUAL	1.42	1.45
12	Available Nitrogen (as N)	Kg/hect	AGRICULTURE SOIL MANUAL	281	280
13	Available Phosphorous (as P)	Kg/hect	AGRICULTURE SOIL MANUAL	18.0	17.3
14	Available Potassium (as K)	Kg/hect	AGRICULTURE SOIL MANUAL	145.0	144.5
15	Water soluble Sulphate (as SO <sub>4</sub> )	mg/Kg	AGRICULTURE SOIL MANUAL	109.2	110.5
16	Available Boron (B)	mg/Kg	AGRICULTURE SOIL MANUAL	BDL	BDL
17	Available Iron (Fe)	mg/Kg	AGRICULTURE SOIL MANUAL	0.36	0.37





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 | email - ultimatenviro@gmail.com

## TEST REPORT

Sr. No	Parameter	Unit	Method Reference	Rawan Mines	Maldi Mines
18	Available Copper (Cu)	mg/Kg	AGRICULTURE SOIL MANUAL	0.33	0.20
19	Available Zinc (Zn)	mg/Kg	AGRICULTURE SOIL MANUAL	0.30	0.36
20	Available Manganese (Mn)	mg/Kg	AGRICULTURE SOIL MANUAL	0.24	0.25
21	Total Chromium (Cr)	mg/Kg	AGRICULTURE SOIL MANUAL	BDL	BDL
22	Molybdenum (Mo)	mg/Kg	AGRICULTURE SOIL MANUAL	BDL	BDL
23	Total Lead (Pb)	mg/Kg	AGRICULTURE SOIL MANUAL	1.45	1.48
24	Total Cadmium (Cd)	mg/Kg	AGRICULTURE SOIL MANUAL	BDL	BDL
25	Total Selenium (Se)	mg/Kg	AGRICULTURE SOIL MANUAL	BDL	BDL
26	Total Nickel (Ni)	mg/Kg	AGRICULTURE SOIL MANUAL	BDL	BDL

N.D.: -NOT DETECTED

### REMARKS: RESULTS ARE AS ABOVE

#### Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

-----End of the test report-----





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer		MONTH OF SAMPLING	OCTOBER-2023 to MARCH-2024
TO, <b>AMBUJA CEMENT LIMITED</b> <b>(UNIT: BHATAPARA)</b> <b>P.O. Rawan, Tehsil: Baloda Bazar,</b> <b>Dist: Baloda Bazar-Bhatapara-493331</b>		TYPES OF REPORT	HALF YEARLY REPORT
<b>SAMPLE DETAILS</b>			
MONITORING FOR	STACK EMISSION MONITORING		
CUSTOMER REF. NO. & DATE	2800956665/NE08, Date 10/06/2023		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008		
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.,		

TEST REPORT								
RAWAN MINES CRUSHER LINE 01			RAWAN MINES CRUSHER LINE 02			MALDI MOPAR MINES CRUSHER		
MONTH	UNIT	RESULT	MONTH	UNIT	RESULT	MONTH	UNIT	RESULT
OCTOBER	mg/Nm <sup>3</sup>	15.18	OCTOBER	mg/Nm <sup>3</sup>	13.29	OCTOBER	mg/Nm <sup>3</sup>	18.19
NOVEMBER	mg/Nm <sup>3</sup>	16.17	NOVEMBER	mg/Nm <sup>3</sup>	15.23	NOVEMBER	mg/Nm <sup>3</sup>	18.77
DECEMBER	mg/Nm <sup>3</sup>	17.18	DECEMBER	mg/Nm <sup>3</sup>	16.12	DECEMBER	mg/Nm <sup>3</sup>	19.12
JANUARY	mg/Nm <sup>3</sup>	17.22	JANUARY	mg/Nm <sup>3</sup>	17.08	JANUARY	mg/Nm <sup>3</sup>	18.01
FEBRUARY	mg/Nm <sup>3</sup>	17.59	FEBRUARY	mg/Nm <sup>3</sup>	17.93	FEBRUARY	mg/Nm <sup>3</sup>	19.10
MARCH	mg/Nm <sup>3</sup>	18.01	MARCH	mg/Nm <sup>3</sup>	18.12	MARCH	mg/Nm <sup>3</sup>	19.70

REMARKS: Results Are As Above

**Terms & conditions**

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only

  <b>REVIEWED BY</b>	  <b>For ULTIMATE ENVIROLYTICAL SOLUTIONS</b>	  <b>AUTHORIZED SIGNATORY</b>
----------------------------	---	-------------------------------------

-----End of the test report-----





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer		MONTH OF SAMPLING	OCTOBER-2023 to MARCH-2024
<b>TO,</b> <b>AMBUJA CEMENT LIMITED</b> <b>(UNIT: BHATAPARA)</b> <b>P.O. Rawan, Tehsil: Baloda Bazar,</b> <b>Dist: Baloda Bazar-Bhatapara-493331</b>		TYPES OF REPORT	HALF YEARLY MONTHLY REPORT
<b>SAMPLE DETAILS</b>			
MONITORING FOR	STACK EMISSION MONITORING		
CUSTOMER REF. NO. & DATE	2800956665/NE08, Date 10/06/2023		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008		
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO.,		

## TEST REPORT

RAWAN MINES CRUSHER LINE 01			RAWAN MINES CRUSHER LINE 02			MALDI MOPAR MINES CRUSHER		
MONTH	UNIT	RESULT	MONTH	UNIT	RESULT	MONTH	UNIT	RESULT
OCTOBER	mg/Nm <sup>3</sup>	15.18	OCTOBER	mg/Nm <sup>3</sup>	13.29	OCTOBER	mg/Nm <sup>3</sup>	18.19
NOVEMBER	mg/Nm <sup>3</sup>	16.17	NOVEMBER	mg/Nm <sup>3</sup>	15.23	NOVEMBER	mg/Nm <sup>3</sup>	18.77
DECEMBER	mg/Nm <sup>3</sup>	17.18	DECEMBER	mg/Nm <sup>3</sup>	16.12	DECEMBER	mg/Nm <sup>3</sup>	19.12
JANUARY	mg/Nm <sup>3</sup>	17.12	JANUARY	mg/Nm <sup>3</sup>	17.08	JANUARY	mg/Nm <sup>3</sup>	18.01
FEBRUARY	mg/Nm <sup>3</sup>	17.59	FEBRUARY	mg/Nm <sup>3</sup>	17.93	FEBRUARY	mg/Nm <sup>3</sup>	19.10
MARCH	mg/Nm <sup>3</sup>	18.01	MARCH	mg/Nm <sup>3</sup>	18.12	MARCH	mg/Nm <sup>3</sup>	19.70

REMARKS: Results Are As Above

### Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only

 <b>REVIEWED BY</b>		For ULTIMATE ENVIROLYTICAL SOLUTIONS  <b>AUTHORIZED SIGNATORY</b>
---	---	--

-----End of the test report-----





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR. C.G. -492099  
PH - 0771 - 4027777 / email - ultimatenviro@gmail.com

<b>Name &amp; Address of The Customer</b> <b>TO,</b> <b>AMBUJA CEMENT LIMITED</b> <b>(UNIT: BHATAPARA)</b> <b>P.O. Rawan, Tehsil: Baloda Bazar,</b> <b>Dist.: Baloda Bazar-Bhatapara-493331</b>		<b>MONTH OF SAMPLING</b>  OCTOBER-2023 to MARCH-2024
		<b>TYPES OF REPORT</b>  HALF YEARLY MONTHLY AVERAGE REPORT
<b>SAMPLE DETAILS</b>		
<b>SAMPLE TYPE</b>	<b>SURFACE WATER</b>	<b>ORDER /REFERENCE:</b> 2800956665/NE08, Date 10/06/2023
<b>CUSTOMER SAMPLE ID</b>	<b>RAWAN MINES SOUTH BLOCK PIT</b>	<b>RAWAN MINES NORTH BLOCK PIT</b> MALDI MOPAR MINES PIT
<b>PACKING OF SAMPLE</b>	3 L X 1 NO. PVC CAN 1 L X 1 NO. PVC CAN 1 L X 1 NO. GLASS BOTTLE	<b>SEALED</b> <b>SAMPLE COLLECTED BY</b> <b>CHEMIST</b>
<b>SAMPLING PROCEDURE</b>	IS:3025 (PART I):1987 RA 2003; APHA 22ND ED. 2012, 1060-B, 1-39	<b>QUANTITY RECEIVED</b> 5 LTR

### TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT		
				Acceptable Limit	Permissible limit	RAWAN MINES S/BLOCK	RAWAN MINES N/BLOCK	MALDI MINES
1	Colour	Hazen	IS:3025:(Part-4)	5	15	1	1	
2	Odour	-	IS:3025:(Part-5)	Agreeable	Agree	Agree	Agree	Agree
3	Taste	-	IS:3025:(Part-8)	Agreeable	Agree	Agree	Agree	Agree
4	pH	-	APHA 23 <sup>rd</sup> Ed.2017,4500-H <sup>+</sup> -B, 4-92	6.5-8.5	No Relax	7.28	7.29	7.27
5	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed.2017,2130-B,2-13	1	5	2.1	1.75	1.4
6	Electrical Conductivity	μS/cm	IS 3025(part-14):1984, RA 2013	-	-	269.5	271.3	319.2
7	Chemical Oxygen Demand	mg/Lit	IS:3025:(Part-58):2006, RA 2012	-	-	22.11	28.01	27.05
8	Bio-chemical Oxygen Demand at 27°C for three days	mg/Lit	IS:3025:(Part-44):1993 RA 2014	-	-	6.06	5.61	6.03
9	Total Dissolved Solids	mg/Lit	IS 3025(part-16):1984, RA 2006	500	2000	173.1	169.0	178.0
10	Alkalinity Total (as CaCO <sub>3</sub> )	mg/Lit	IS 3025(part-23):1986, RA 2003	200	600	110.2	109.0	111.3
11	Total Hardness (as CaCO <sub>3</sub> )	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,2340-C, 2-44,45	200	600	114.1	111.0	124.0
12	Calcium (as Ca)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3500-Ca-B, 3-67	75	200	24.09	29.02	25.10
13	Magnesium (as Mg)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3500-Mg-B, 3-84	30	100	7.13	10.01	11.23
14	Chloride (as Cl)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-Cl-B, 4-72	250	1000	17.2	23.03	16.6
15	Sulphate (as SO <sub>4</sub> )	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-SO <sub>4</sub> -E, 4-190	200	400	16.13	15.61	21.7
16	Nitrate (as NO <sub>3</sub> )	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-NO <sub>3</sub> -B, 4-122	45	No Relax	5.02	6.02	6.26
17	Boron (as B)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-B-B, 4-25	0.5	1.0	BDL	BDL	BDL
18	Iron (as Fe)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-B,3-18	0.3	No Relax	0.27	0.13	0.02
19	Fluoride (as F)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,4500-F-B & D, 4-84 & 87	1	1.5	0.06	0.03	0.06





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 | email - ultimatenviro@gmail.com

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	AS PER IS 10500:2012		RESULT		
				Acceptable Limit	Permissible limit	RAWAN MINES S/BLOCK	RAWAN MINES N/BLOCK	MALDI MINES
20	Manganese (as Mn)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-B, 3-18	0.1	0.3	BDL	BDL	BDL
21	Lead (as Pb)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-B, 3-18	0.01	No Relax	BDL	BDL	BDL
22	Zinc (as Zn)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-B, 3-18	5	15	BDL	0.8	BDL
23	Copper (as Cu)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3111-B, 3-18	0.05	1.5	BDL	BDL	BDL
24	Cadmium (as Cd)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3500-Cd, 3-105	0.003	No Relax	BDL	BDL	BDL
25	Mercury (as Hg)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3112-B, 3-23	0.001	No Relax	BDL	BDL	BDL
26	Arsenic (as as)	mg/Lit	APHA 23 <sup>rd</sup> Ed.2017,3114-C, 3-38	0.01	0.05	BDL	BDL	BDL
27	Aluminum (as Al)	mg/Lit	IS:3025:(Part-2)	0.01	No Relax	BDL	BDL	BDL
28	Dissolved Oxygen	mg/Lit	IS:3025:(Part-38)	-	-	3.8	3.1	4.8
29	Total Chromium (as Cr)	mg/Lit	IS:3025:(Part-2)	0.05	No Relax	BDL	BDL	BDL
<b>Microbiological Analysis</b>								
1	Total Coliform	MPN/100 ML	IS: 1622:1981:RA:2019	Shall not be detectable in any 100 ml sample		39.6	61.0	53.0
2	E. Coli	MPN/100ml	IS: 1622:1981:RA:2019	Shall not be detectable in any 100ml sample		26.3	20.0	37.3

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

### REMARKS: RESULTS ARE AS ABOVE

#### Terms & conditions

- > The report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above test(s) only.

 <b>REVIEWED BY</b>		For <b>ULTIMATE ENVIROLYTICAL SOLUTIONS</b>  <b>AUTHORIZED SIGNATORY</b>
---	---	---

-----End of the test report-----





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,  
RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. -492099  
PH - 0771 - 4027777 / email - ultimatenviro@gmail.com

Name &amp; Address Of The Customer

**TO,**  
**AMBUJA CEMENT LIMITED**  
**(UNIT: BHATAPARA)**  
**P.O. Rawan, Tehsil: Baloda Bazar,**  
**Dist: Baloda Bazar-Bhatapara-493331**

Month of Sampling

OCTOBER-2023 TO MARCH-2024

Types of report

HALF YEARLY MONTHLY AVERAGE REPORT

## SAMPLE DETAILS

Sample Type	Effluent Water	Customer Ref. No. & Date	2800956665/NE08 Date 10/06/2023
Customer Sample Id	Rawan Mines Etp Inlet /Outlet	Sample Condition At Receipt	Ok
Packing Of Sample	Jerry Cane (2.5 ltr.*1) Glass bottle (300ml*1)	Sample Collected By	Laboratory Chemist
Other Details	Sealed	Quantity Received	Approx. 5.0 Itr.

## TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER TREATED WATER	ETP INLET (UNTREATED)	ETP OUTLET (TREATED)
1	pH Value at 25.2°C	-	IS:3025:(Part-11): 1983, RA 2012	5.5 To 9.0	7.59	7.43
2	Total Suspended Solid	mg/L	IS:3025:(Part-17): 1984, RA 2012	100	269.0	59.2
3	Total Dissolved Solids	mg/L	IS:3025:(Part-16)	-	279.0	257.0
4	Chemical Oxygen Demand	mg/L	IS:3025:(Part-58): 2006, RA 2012	250	149.0	44.0
5	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025:(Part-44): 1993, RA 2014	30	42.1	11.04
6	Oil & Grease	mg/L	IS:3025:(Part-39): 1986	10	Absent	Absent

Note:mg/lit.: milligram per liter. N.D.: Not Detected.

## REMARKS: RESULTS ARE AS ABOVE

## Terms &amp; conditions

- > The report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above test(s) only.

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

-----End of the test report-----





**Ultimate**  
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK.

RING ROAD NO - 2, KABIR NAGAR, RAIPUR, C.G. - 492099

PH - 0771 - 4027777 | email - ultimatenviro@gmail.com

Name &amp; Address of The Customer

**TO,**  
**AMBUJA CEMENT LIMITED**  
**(UNIT: BHATAPARA)**  
**P.O. Rawan, Tehsil: Baloda Bazar,**  
**Dist.: Baloda Bazar-Bhatapara-493331**

MONTH OF SAMPLING

March-2024

DATE OF REPORT

HALF YEARLY MONTHLY AVERAGE REPORT

## SAMPLE DETAILS

SAMPLING LOCATION	PIEZO LEVEL MONITORING	ORDER /REFERENCE:	2800956665/NE08, Date 10/06/2023
MONITORING FOR	GROUND WATER LEVEL MONITORING		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		

S.NO	NAME OF VILLAGE	SAMPLE CODE	DATE OF MEASUREMENT	DEPTH (MTR)
1	LATWA	GW-1	07-03-2024	6.20
2	CHHUIHA	GW-2	07-03-2024	6.70
3	KUKURDIH	GW-3	07-03-2024	5.74
4	RAWAN	GW-4	07-03-2024	5.90
5	PAUSARI	GW-5	07-03-2024	6.10
6	KHAMRIYA	GW-6	07-03-2024	4.70
7	KARMADA	GW-7	07-03-2024	7.30
8	ARJUNI	GW-8	07-03-2024	6.50
9	MALDI	GW-9	07-03-2024	5.40
10	MOPAR	GW-10	07-03-2024	4.80
11	DEVrani	GW-11	07-03-2024	4.90
12	SEMRADIH	GW-12	07-03-2024	7.10
13	CHANDIH	GW-13	07-03-2024	6.80
14	CHAMPA	GW-14	07-03-2024	7.60
15	DHABADIH	GW-15	07-03-2024	5.30
16	RISDA	GW-16	07-03-2024	4.10
17	TOPA	GW-17	07-03-2024	6.80
18	AMERA	GW-18	07-03-2024	5.70
19	MAGARCHABA	GW-19	07-03-2024	3.30
20	BHADARPALLI	GW-20	07-03-2024	6.00
21	BALODA BAZAR	GW-20	07-03-2024	5.10

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

## REMARKS: RESULTS ARE AS ABOVE

## Terms &amp; conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

-----End of the test report-----





**NANDAKUMARAN P**  
**MEMBER SECRETARY**

भारत सरकार  
जल शक्ति मंत्रालय  
जल संसाधन, नदी विकास  
और गंगा संरक्षण विभाग  
भूमि जल प्राधिकरण

Government of India  
Ministry of Jal Shakti  
Department of Water Resources,  
River Development and Ganga Rejuvenation  
Central Ground Water Authority

CGWA/IND/Proj/2019-375-R

No.21-4(117)/NCCR/CGWA/2011- 762

Dated:- 05 SEP 2019

To

M/s Ambuja Cements Ltd.,  
(Unit-Bhatapara), Village & P.O. - Rawan  
Block & Tehsil- Balodabazar  
Dist- Balodabazar: Bhatapara, Chhattisgarh - 493331

**Sub: - Renewal of NOC for ground water withdrawal to M/s Ambuja Cements Ltd., for their existing Integrated cement manufacturing, captive power plant and Limestone Mine located at Villages Rawan, Kukurdih, Pausari and Bharseli, Block & Tehsil Balodabazar, District Balodabazar: Bhatapara, Chhattisgarh - reg.**

Refer to your application dated 31/10/2018 on the above cited subject. Based on recommendation of Regional Director, Central Ground Water Board, North Central Chhattisgarh Region, Raipur vide his office letter No 35-1/NCCR/CGWA/Vol-XI- 818 dated 17/06/2019, and further deliberations on the subject, the NOC issued to M/s Ambuja Cements Ltd., for their existing Integrated cement manufacturing, captive power plant and Limestone Mine located at Villages Rawan, Kukurdih, Pausari and Bharseli, Block & Tehsil Balodabazar, District Balodabazar: Bhatapara, Chhattisgarh vide this office letter of even no. dated 06/11/2015 is hereby renewed. The earlier NOC issued vide Letter No. 21-4(117)/NCCR/CGWA/2011-1739 dated 06/11/2015 shall be deemed to be extended from 05/11/2018 to 25/07/2019 and the renewed NOC shall be valid from 26/07/2019 to 25/07/2024 and shall be subject to the following conditions:-

1. The firm may continue to abstract **1,11,325 cu.m/year** of ground water through twelve (12) existing bore wells only and **18,47,225 cu.m/year** through dewatering of mine seepage on account of mining intersecting the water table during the mining operation. The total withdrawal from bore wells and dewatering shall not exceed **19,58,550 m<sup>3</sup>/year**. No additional ground water abstraction structures shall be constructed for this purpose without prior approval of the CGWA.

2. All the wells shall be fitted with digital water flow meters and monthly ground water abstraction data of each well shall be recorded in a log book by the firm.
3. **M/s Ambuja Cements Ltd.**, shall continue to implement ground water recharge measures to the tune of **5,30,188 m<sup>3</sup>/year** for augmenting the ground water resources of the area. Firm shall also undertake periodic maintenance of recharge structures at its own cost.
4. The firm shall continue to execute monthly ground water level monitoring in the project area through two (2) nos. of existing piezometers. The firm shall install digital water level recorders in both the existing piezometers. Firm shall install telemetry system in one of the piezometers and share user ID and password of the telemetry system with the Regional Director, Central Ground Water Board, North Central Chhattisgarh Region, Raipur.
5. The ground water quality shall be monitored once in a year during pre monsoon period.
6. The ground water monitoring data in respect of S. No. 2, 4, & 5 shall be submitted to the Regional Director, Central Ground Water Board, North Central Chhattisgarh Region, Raipur on regular basis at least once in a year.
7. The firm shall ensure proper recycling and reuse of waste water after adequate treatment.
8. The firm shall submit report on impact of ground water abstraction on the ambient ground water regime within six months of the renewal of NOC.
9. Action taken report in respect of S.N o. 1 to 8 shall be submitted to CGWA within one year period.
10. The NOC is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in S. No. 1 to 9.
11. The project proponent shall take all necessary measures to prevent contamination of groundwater in the premises failing which the firm shall be responsible for any consequences arising there upon.
12. This NOC is subject to prevailing Central/State Government rules/laws or Court orders related to construction of tubewell/ground water withdrawal/construction of recharge or conservation structures/discharge of effluents or any such matter as applicable.
13. This NOC does not absolve the applicant / proponent of his obligation / requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
14. The NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and be taking decisions independently of the NOC.

  
Member (CGWA)

**Copy to:**

1. The Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas Bhavan, North Block Sector-19, Naya Raipur, Chhattisgarh.
2. The District Collector & Magistrate, District Balodabazar, Chhattisgarh for necessary action.
3. The Director, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi-110003
4. The Regional Director, Central Ground Water Board, North Central Chhattisgarh Region, Raipur. This has reference to your recommendation dated 17/06/2019.
5. Guard File 2019-20.

  
Member (CGWA)



## Annexure VIII

### Road Water Sprinklers



## Annexure IX

### List of Environmental Expenditure incurred existing for the Environmental Protection (Cost in Lacs.) of Rawan Mine October 2023- March 2024

Sr. No	Particulars	(Cost in Lacs.)
1	Water Sprinkling on Haul road- 28 KL Water Tanker	15.00
2	Bag filter Installation	1.00
3	Dust Suppression and Sprinkler System on Limestone hopper and Conveyor	1.25
4	Rainwater Harvesting Structures with Garland Drains	2.50
5	Green Belt Development	1.25
6	Environmental Monitoring	12.2
<b>Total</b>		<b>33.2</b>

## Annexure-X

Central Chronicle Raipur  
dated 18.06.07

Page-6

**Notice**

Ambuja Cements Limited hereby informed all that they have been accorded Environment Clearance from the Ministry of their Project. Expansion of Rawan Lime Stone Mine and copy of clearance letter are available with the Chhattisgarh Environment Control Board/Committee and may also be seen on the web site of Ministry of Environment and Forests at <http://envfor.nic.in>.

back-  
daugl  
and  
Singh

कमाक/  
नगर  
अभियंता,  
पंजीकृत  
लिफाफे  
उपरो  
कार्यालयी

हरिभूमि रायपुर, दिनांक 18.06.2007

Page-6

59797

**सूचना**

अम्बुजा सीमेंट्स लिमिटेड, एतद द्वारा सभी को सूचित करता है कि उनके परियोजना (रवान खदान-विस्तार) हेतु मंत्रालय से पर्यावरण क्लियरेंस मिल गया है, जिसकी कॉपी छत्तीसगढ़ पर्यावरण नियंत्रण मण्डल/कमेटी के पास उपलब्ध है, जिसे पर्यावरण एवं वन मंत्रालय के वेब साइट <http://envfor.nic.in> पर भी देखा जा सकता है।

छात्रावास-गर्ल्स होस्टल न्यू शांतिनगर