

ACL/EMD/F-01 26205

Date: 25/05/2022

✓ To,
The Director
Ministry of Environment, Forests & Climate Change
Regional Office (Jaipur)
A 209- 218, Aranya Bhawan, Mahatma Gandhi Road,
Jhalana Institutional Area, Jaipur (Rajasthan)

Sub: Half-yearly Condition wise Compliance report of Environmental Clearance for 3.6 MTPA Cement Plant alongwith 18 MW Captive Thermal Power Plant by Ambuja Cement Limited, Vill – Rabriyawas, Teh – Jaitaran Distt - Pali (Rajasthan)

Ref: MoEF&CC EC Letter No.: - J-11011/189/2006-IA.II (I) Dated 31/08/2006

Dear Sir,

This has reference to the Environmental Clearance Letter, We are submitting herewith the half-yearly compliance reports of conditions stipulated in EC letter with analysis reports and supporting documents for the period from **October 2021 to March 2022.**

Hope you will find the same in order.

Yours faithfully,

**For Ambuja Cements Limited
Unit: Rabriyawas**


**Arvind Singh
Sr. Manager (Environment)**

Encl.: **A/A & Soft copy**

CC:

1. Zonal officer, Central Pollution Control Board, Vithal Market, aryavaran Parisar, E-5, Arera Colony, Bhopal, Madhya Pradesh 462016
2. The Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, Jaipur
3. Regional Officer, Rajasthan State Pollution Control Board, SA – 6, Mandia Road Industrial Area, Pali

**AMBUJA CEMENTS LIMITED
UNIT – RABRIYAWAS**

Works: PO Rabriyawas, Tehsil – Jaitaran, Dist. – Pali (Raj.) 306 709

Tel: 02939 288011-18, Fax: 02939 288030

CIN: L26942GJ1981PLC004717 Website: www.ambujacement.com

(Registered Office: PO – Ambujanagar, Taluka – Kodinar, Dist. – Gir Somnath (Guj.) 362 715)

**Compliance Report of Environmental Clearance
(No. J-11011/189/2006-IA.II (I) Dated 31/08/2006)
For 3.6 MTPA Cement Plant alongwith 18 MW Captive Thermal Power
Plant.**

Period: October 2021 to March 2021

S.No.	Condition	Compliance Status
	A. Specific Conditions:	
I	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the Rajasthan State Pollution Control Board. At no time, particulate emissions from the cement plant including kiln, coal mill, cement mill, cooler and captive power plant (CPP) shall exceed 50 and 100 mg/Nm ³ respectively. Continuous online monitors for particulate emissions shall be installed. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit(s) is shutdown automatically.	Noted & Complied. a) The stacks emissions results are well within the prescribed norms (< 30 mg/Nm ³) and monitoring report is enclosed. (Annexure I). b) Continuous online monitors installed at all stacks. c) Interlocking facility -The automation & computer programming for the operation of the production equipments are in such order that unless the pollution control devices start the production equipments down line and other ancillary equipments will not operate in any given time. This arrangement is from beginning of the plant with software, which gives command for operation. As such the system is interlocked vice versa. d) Online Continuous Emission Monitoring System has installed in main raw mill/kiln stack to monitor the parameters like Dust, CO, CO ₂ , HCl, SO ₂ , NO/NO ₂ /NO _x , VOC, NH ₃ , O ₂ , Temp. Flow etc.
ii	Ambient air quality including noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and shall be carried out regularly in consultation with RSPCB and online data for air emission shall be transferred to the CPCB and RSPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.	Noted & Complied. Ambient air quality (AAQ) including noise level is being monitored on regular basis at four locations approved by RSPCB and the results are well within the prescribed norms and monitoring reports are being submitted to RSPCB and CPCB regularly. AAQ monitoring report is enclosed. (Annexure II) In respect to comply of new National Ambient Air Quality Standards Continuous Ambient Air Quality Monitoring Station (CAQQMS) have been installed at SWRP, Main Gate, Near Mines Office. Calibration of the all instrument & analyzer is regularly carried out.
iii	The company shall install highly efficient and adequate dust collection and extraction system to control fugitive emissions at coal and lime stone unloading points, at all transfer points, raw material, coal and clinker handling areas etc. Bag filters shall be provided in raw mill, clinker stockpile top, cement mill, cement silos and ESP to captive power plant to control air emissions. The dust collected from the pollution control equipments shall be recycled back into the process. Storage of raw material shall be in closed roof sheds. Limestone clinker unit to the plant site by using tippers and to avoid	Noted & Complied ESP – 01 No. Jet Pulse Filter – 88 Nos. All are working efficiently and controlled emission. Four nos. road sweepers are provided for cleaning of road for maintaining good housekeeping.

	fugitive emissions on the road. Water sprinkling arrangement shall be made in the raw material stockyard and cement bag loading areas.	
iv	All the recommendations of the Corporate Responsibility for Environmental Protection (CREP) shall be strictly followed and SPM concentrations below 50 mg/Nm ³ shall be maintained in kiln, coal mill, cement mill and clinker cooler.	Noted & Complied
v	Total ground water requirement shall not exceed 2,000 m ³ /d as per the permission accorded by the Central Ground Water Board. Further efforts shall be made to conserve water and recycle/reuse treated wastewater for the green belt development and other plant related activities. No treated water will be discharged outside the premises and 'Zero' discharge shall be strictly adopted. The domestic effluent shall be treated in sewage water reclamation plant (SWRP) and shall be utilized for green belt development.	Complied. Water consumption in the plant within quantity 2,000 m ³ /day for this we had obtained permission for the abstraction @ 2400 LKD form CGWA vide letter No. 21-4(5)/WR/CGWA?05-1188 dated 15.10.2010. SWRP treated water analysis report is enclosed. (Annexure III) Rain water harvesting is extensively carried out in mines and nearby areas by our sister concern Ambuja Cement Foundation. 360 m ³ /day capacity SWRP is effectively operating to treat sewage water.
vi	Rain water harvesting shall be strictly adhered and implemented for the augmentation of ground water storage at the cement plant site, colony and mine site, besides, company shall also harvest the rainwater from the roof tops and storm water drains to discharge the ground water. The company shall also collect rain water in the mined out pits of captive lime stone mine and use the same water for the various activities of the project to conserve fresh water.	Complied and is part of our community welfare measures. The Project authority have under taken various efforts for augmentation the ground water resources by harnessing surface run out & constrictions of artificial recharge structures at suitable locations in and around the area. We have develop the earthen dam of average dimension 400 m length x 200 m width x 1 m depth to collect available rain water potential @ of 390 mm i.e. 355657.05 m ³ /during monsoon period including the roof top of the plant building, paved & open area.
vii	Out of 354.74 ha. land available, plantation will be done in 117 ha. and a time bound action plan shall be submitted to the ministry and its Regional Office at Lucknow. Further efforts shall be made to maintain the area properly which has already been afforested.	Being Complied. Submitted vide our letter dated 12.2.2007 Greenbelt Development as on 31.03.2022 is 202187 number of sapling has been planted and report is enclosed. (Annexure IV)
viii	Solid wastes viz. fly ash and dust etc. shall be properly recycled and reutilized in the cement plant itself and bottom ash from CPP in the mines pits etc. Used oil and grease will be sold to the authorized recyclers / reprocessors only. STP sludge shall be used as manure for green belt development.	Noted & complied Fly ash- fly ash transported to fly ash silo by a closed circuit dense phase system and utilized 100% in PPC manufacturing. Bottom Ash- Bottom Ash used in Raw Meal. SWRP sludge- SWRP sludge used as manure for green belt development in plant premises. Used oil and grease is being sold to the authorized recyclers / reprocessors only.

Ix	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan shall be submitted to the RSPCB within three months of receipt of this letter for approval.	Complied. Ambuja Cement Foundation has organized various activities on eco-development & community welfare measures in plant and nearby villages. ACF report is enclosed as (Annexure- V). Plan submitted to RPCB vide our letter dated 05.12.2006 and 21.06.2007.
X	The project authorities shall not commence operation of the expanded capacity of the cement plant without prior environmental clearance for the proposed expansion of the limestone mines.	Obtained Environmental Clearance vides Letter No. J-11015/148/2006-IA.II (M) 10.10.2007 for proposed expansion of the limestone mines.
	B. General Conditions :	
I	The project authority shall adhere to the stipulations made by Rajasthan State Pollution Control Board (RSPCB) and State Government.	Noted & adhered.
Ii	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	We have obtained amended environmental clearance F.No.J-11011/189/2006-IA.II (I) dated 14.07.2020 for addition of Steel Silo (2500 MT), Installation of Electronic Packer (18 Spouts), Proposed Wagon Tippler for Railway siding (4.00 Rakes/day) and change in Product mix w.r.t. addition of PSC, Composite Cement and Microfine Ordinary Portland Cement with existing product i.e. OPC & PPC without changing the production capacity. (Copy of amended EC by MoEF&CC, New Delhi is attached as Annexure- VI
Iii	At least four ambient air quality monitoring stations shall be established in the down wind direction as well as where maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the RSPCB. Data on ambient air quality and stack emissions shall be regularly submitted to this ministry including its Regional Office at Lucknow / RSPCB and CPCB once in six months.	Complied. Ambient air quality monitoring report is enclosed. (Annexure II)
Iv	Industrial wastewater shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Complied. No effluent generated from cement plant. Only waste water generated from DM Plant which is properly collected and treated in neutralization pit and used in dust suppression and in cement process within the plant premises.

V	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules viz. 75 dBA(day time) and 70 dBA (night time).	Complied. Ambient Noise and Machinery noise monitoring report is enclosed. (Annexure VII)
Vi	Proper housekeeping and adequate occupational health programmes shall be taken up. Occupational Health Surveillance programme shall be done on a regular basis and records maintained properly for at least 30-40 years. The programme shall include lung function and sputum analysis tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc.	Complied Health checkup of employees of ACL, Rabriyawas is carried out in Ambuja Hospital. In this exercise a comprehensive general physical and systematic examination is carried out for staff, workers and contractor employees. The general and occupational health of the examined persons was found satisfactory.
vii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP.	Noted & being complied.
viii	A separate environmental management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	A full-fledged Environmental cell has been set up with latest equipment. All the monitoring being carried out by the lab.
Ix	As mentioned in the EIA/EMP, Rs. 47.89 Crores and Rs. 1.98 Crores allocated towards the capital cost and recurring cost per annum shall be used exclusively to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.	Noted & being complied New air pollution control equipments (JPFs) are installed at Pyro modification, New Fly ash Handling System and Gypsum handling system.
X	The Regional Office of this Ministry at Lucknow / CPCB / RSPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data alongwith statistical interpretation shall be submitted to them regularly.	Noted & complied A six monthly compliance report is being submitted regularly as per stipulated time period.
Xii	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted
Xiii	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the ministry and copies of the clearance letter are available with the Rajasthan State Pollution Control Board / Committee and may also be seen at website of the Ministry of Environment and Forests at	Complied and published in newspapers on 03.09.2006 in Danik Bhaskar and Rajasthan Patrika.

	<p>http://envfor.nic.in. This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same forwarded to the Regional Office at Lucknow.</p>	
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Arvind Singh
Sr. Manager (Environment)

Ambuja Cements Limited
Unit - Rabriyawas

Cement Plant - Reading of Particulate Matter Emission From Point Source

Period : October '2021

Sr. No.	Name of Stack	PCM	Opacity Meter Reading PM In mg/Nm ³ (Avg.)	Norms PM In mg/Nm ³	Remarks
1	Raw Mill/Kiln	JPF	23.86	30.0	
2	Clinker Cooler	ESP	20.54	30.0	
3	Coal Mill- I	JPF	18.09	30.0	
4	Coal Mill- II	JPF	16.99	30.0	
5	Cement Mill- I	JPF	13.79	30.0	
6	Cement Mill- II	JPF	10.88	30.0	
7	Roller Press	JPF	14.5	30.0	

CEMS* Continuous Emission Monitoring System

A. S. D.
Lab Incharge (Env.)

Ambuja Cements Limited
Unit - Rabriyawas

Cement Plant - Reading of Particulate Matter Emission From Point Source

Period : November '2021

Sr. No.	Name of Stack	PCM	Opacity Meter Reading PM in mg/Nm ³ (Avg.)	Norms PM in mg/Nm ³	Remarks
1	Raw Mill/Kiln	JPF	29.00	30.0	
2	Clinker Cooler	ESP	14.88	30.0	
3	Coal Mill- I	JPF	3.45	30.0	
4	Coal Mill- II	JPF	16.14	30.0	
5	Cement Mill- I	JPF	11.14	30.0	
6	Cement Mill- II	JPF	3.72	30.0	
7	Roller Press	JPF	7.04	30.0	

CEMS* Continuous Emission Monitoring System

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+ **Lab Incharge (Env.)**

Ambuja Cements Limited
Unit - Rabriyawas

Cement Plant - Reading of Particulate Matter Emission From Point Source

Period : December '2021

Sr. No.	Name of Stack	PCM	Opacity Meter Reading PM in mg/Nm ³ (Avg.)	Norms PM in mg/Nm ³	Remarks
1	Raw Mill/Kiln	JPF	16.07	30.0	
2	Clinker Cooler	ESP	10.99	30.0	
3	Coal Mill- I	JPF	3.61	30.0	
4	Coal Mill- II	JPF	9.68	30.0	
5	Cement Mill- I	JPF	13.37	30.0	
6	Cement Mill- II	JPF	2.61	30.0	
7	Roller Press	JPF	12.53	30.0	

CEMS* Continuous Emission Monitoring System

Asul
Lab Incharge (Env.)

Ambuja Cements Limited
Unit - Rabriyawas

Cement Plant - Reading of Particulate Matter Emission From Point Source

Period : January '2022

Sr. No.	Name of Stack	PCM	Opacity Meter Reading PM in mg/Nm ³ (Avg.)	Norms PM in mg/Nm ³	Remarks
1	Raw Mill/Kiln	JPF	21.08	30.0	
2	Clinker Cooler	ESP	11.72	30.0	
3	Coal Mill- I	JPF	1.83	30.0	
4	Coal Mill- II	JPF	29.27	30.0	
5	Cement Mill- I	JPF	9.18	30.0	
6	Cement Mill- II	JPF	8.59	30.0	
7	Roller Press	JPF	6.13	30.0	

CEMS* Continuous Emission Monitoring System

[Signature]
Lab Incharge (Env.)

Ambuja Cements Limited
Unit - Rabriyawas

Cement Plant - Reading of Particulate Matter Emission From Point Source

Period : February '2022

Sr. No.	Name of Stack	PCM	Opacity Meter Reading PM in mg/Nm ³ (Avg.)	Norms PM in mg/Nm ³	Remarks
1	Raw Mill/Kiln	JPF	6.31	30.0	
2	Clinker Cooler	ESP	3.64	30.0	
3	Coal Mill- I	JPF	1.4	30.0	
4	Coal Mill- II	JPF	13.86	30.0	
5	Cement Mill- I	JPF	6.51	30.0	
6	Cement Mill- II	JPF	5.05	30.0	
7	Roller Press	JPF	7.16	30.0	

CEMS* Continuous Emission Monitoring System

Asst.
Lab Incharge (Env.)

Ambuja Cements Limited
Unit - Rabriyawas

Cement Plant - Reading of Particulate Matter Emission From Point Source

Period : Mach - 2022

Sr. No.	Name of Stack	PCM	Opacity Meter Reading PM in mg/Nm ³ (Avg.)	Norms PM in mg/Nm ³	Remarks
1	Raw Mill/Kiln	JPF	20.9	30.0	
2	Clinker Cooler	ESP	20.29	30.0	
3	Coal Mill- I	JPF	14.23	30.0	
4	Coal Mill- II	JPF	17.13	30.0	
5	Cement Mill- I	JPF	16.69	30.0	
6	Cement Mill- II	JPF	15.67	30.0	
7	Roller Press	JPF	18.96	30.0	

CEMS* Continuous Emission Monitoring System


Lab Incharge (Env.)

Ambient Air Quality Monitoring Results of Cement Plant

Period: Oct-21

Date of Sampling	At SWRP (C1)						Near Old Limestone Crusher (C2)						Old Weigh Bridge (C3)						SW End of CPP Boundary (Near Ballada Gate) (C4)					
	µg/m ³						µg/m ³						µg/m ³						µg/m ³					
	PM10	PM2.5	SO ₂	NO ₂	CO		PM10	SPM	SO ₂	NO ₂	CO		RPM	SPM	SO ₂	NO ₂	CO		RPM	SPM	SO ₂	NO ₂	CO	
01.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04.10.2021	59.00	39.50	7.00	13.50	NT	-	66.00	209.00	7.50	13.50	NT	-	67.00	210.00	7.50	14.00	NT	-	71.00	215.00	7.50	14.00	NT	-
05.10.2021	58.50	41.00	7.00	13.50	NT	-	66.00	207.00	7.50	14.00	NT	-	71.00	211.00	7.50	14.00	NT	-	72.00	214.00	7.50	14.00	NT	-
06.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11.10.2021	60.00	40.00	7.00	13.50	NT	-	69.00	209.00	7.50	14.00	NT	-	72.00	210.00	7.50	14.00	NT	-	71.00	214.00	7.50	14.00	NT	-
12.10.2021	61.00	41.00	7.50	13.00	NT	-	71.00	210.00	7.50	14.00	NT	-	71.00	215.00	8.00	14.00	NT	-	73.00	220.00	7.50	14.00	NT	-
13.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18.10.2021	60.00	41.00	7.00	13.00	NT	-	67.00	212.00	7.50	13.50	NT	-	69.00	214.00	7.50	14.00	NT	-	70.00	217.00	7.50	14.00	NT	-
19.10.2021	61.00	40.00	7.50	14.00	NT	-	69.00	213.00	7.50	14.00	NT	-	69.00	218.00	7.50	14.00	NT	-	71.00	220.00	7.50	14.00	NT	-
20.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.10.2021	62.00	41.00	7.00	13.50	NT	-	72.00	213.00	7.50	14.00	NT	-	72.00	215.00	7.50	14.00	NT	-	74.00	221.00	7.50	14.00	NT	-
26.10.2021	61.00	42.00	7.50	13.50	NT	-	70.00	218.00	7.50	14.00	NT	-	73.00	218.00	7.50	14.00	NT	-	72.00	220.00	8.00	14.00	NT	-
27.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31.10.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	60.31	40.69	7.19	13.38	NT	-	69.00	210.75	7.50	13.86	NT	-	70.50	213.89	7.55	14.00	NT	-	71.75	217.63	7.55	14.00	NT	-

NT: - NOT TRACEABLE IN THE SAMPLE.

Rainfall during the month- 1.25 mm

Lab. Incharge (Sig.)

F01(08-10)/02

Ambient Air Quality Monitoring Results of Cement Plant

Nov-21

Period: Date of Sampling	At SWRP (C1)						Near Old Limestone Crusher (C2)						Old Weigh Bridge (C3)						SW End of CPP Boundary (Near Ballada Gate) (C4)								
	µg/m ³						µg/m ³						µg/m ³						µg/m ³								
	PM10	PM2.5	SO ₂	NO ₂	CO		RPM	SPM	SO ₂	NO ₂	CO	RPM	SPM	SO ₂	NO ₂	CO	RPM	SPM	SO ₂	NO ₂	CO	RPM	SPM	SO ₂	NO ₂	CO	

NT - NOT TRACEABLE IN THE SAMPLE.

[Signature]
Lab. Incharge (Rev.)
F01 (09-10)02

Ambient Air Quality Monitoring Results of Cement Plant

Period: Dec-21

Date of Sampling	At SWRP (C1)						Near Old Limestone Crusher (C2)						Old Weigh Bridge (C3)						SW End of CPP Boundary (Near Ballada Gate) (C4)																						
	µg/m³						Bq/m³						µg/m³						µg/m³																						
	PM10	PM2.5	SO ₂	NO ₂	CO	OD	RPM	SPM	SO ₂	NO ₂	CO	RPM	SPM	SO ₂	NO ₂	CO	RPM	SPM	SO ₂	NO ₂	CO																				
01.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
02.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
03.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
04.12.2021	59.00	40.00	7.00	13.00	NT	NT	66.00	204.00	7.50	13.50	NT	66.00	210.00	7.50	14.00	NT	66.00	213.00	7.50	14.00	NT	-																			
05.12.2021	59.50	41.00	7.00	13.00	NT	NT	67.00	207.00	7.50	14.00	NT	70.00	209.50	7.50	14.00	NT	71.00	212.00	7.50	14.00	NT	NT																			
06.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NT																			
07.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NT																			
08.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
09.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
10.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
11.12.2021	59.00	39.00	7.00	13.50	NT	NT	66.00	208.00	7.50	14.00	NT	71.00	206.00	7.50	14.00	NT	70.00	213.00	7.50	14.00	NT	-																			
12.12.2021	60.00	40.00	7.50	13.00	NT	NT	70.00	209.00	7.50	14.00	NT	70.00	214.00	7.50	14.00	NT	72.00	219.00	7.50	14.00	NT	NT																			
13.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NT																			
14.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
15.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
16.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
17.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
18.12.2021	59.00	40.00	7.00	13.00	NT	NT	66.00	212.00	7.50	13.50	NT	66.00	213.00	7.50	14.00	NT	66.50	217.00	7.50	14.00	NT	-																			
19.12.2021	59.50	40.50	7.50	14.00	NT	NT	67.50	211.50	7.50	14.00	NT	67.50	216.50	7.50	14.00	NT	66.50	219.50	7.50	14.00	NT	NT																			
20.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NT																			
21.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
22.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
23.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
24.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
25.12.2021	61.50	40.00	7.00	13.50	NT	NT	71.00	212.00	7.50	14.00	NT	71.00	214.00	7.50	14.00	NT	73.00	218.50	7.50	14.00	NT	-																			
26.12.2021	60.50	40.80	7.50	13.50	NT	NT	69.50	214.50	7.50	14.00	NT	71.50	216.50	7.50	14.00	NT	70.50	218.50	8.00	14.00	NT	NT																			
27.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NT																			
28.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
29.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
30.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
31.12.2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
Average	59.56	40.13	7.19	13.31	NT	NT	66.13	209.75	7.50	13.86	NT	69.38	212.81	7.50	14.00	NT	70.56	216.31	7.56	14.00	NT	NT																			
NOT TO EXCEED IN THE SAME DAY																																									

NT - NOT TRACEABLE IN THE SAMPLE.

[Signature]
Lab. Incharge (Env.)
F01(08-10)02

Ambuja Cement Limited
Unit: Rahrlyawos
Ambient Air Quality Monitoring Results of Cement Plant

Period:	At SWRP (C1)										Near Old Limestone Crusher (C2)					Old Weigh Bridge (C3)					SW End of CPP Boundary (Near Ballada Gate) (C4)										
	µg/m ³										µg/m ³					µg/m ³					µg/m ³										
	PM10	PM2.5	SO ₂	NO _x	CO	RPM	SPM	SO ₂	NO _x	CO	RPM	SPM	SO ₂	NO _x	CO	RPM	SPM	SO ₂	NO _x	CO	RPM	SPM	SO ₂	NO _x	CO	RPM	SPM	SO ₂	NO _x	CO	
01.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04.01.2022	59.50	41.00	7.00	13.00	NT	68.50	205.00	7.50	13.50	NT	67.50	211.00	7.50	14.00	NT	70.00	214.00	7.50	14.00	NT	71.50	214.00	7.50	14.00	NT	71.50	214.00	7.50	14.00	NT	
05.01.2022	60.00	41.00	7.00	13.00	NT	67.50	207.00	7.50	14.00	NT	71.00	210.00	7.50	14.00	NT	71.00	214.00	7.50	14.00	NT	71.50	214.00	7.50	14.00	NT	71.50	214.00	7.50	14.00	NT	
06.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11.01.2022	60.00	40.00	7.00	13.50	NT	69.00	209.00	7.50	13.00	NT	72.00	210.00	7.50	14.00	NT	71.00	215.00	7.50	14.00	NT	73.00	220.00	7.50	14.00	NT	73.00	220.00	7.50	14.00	NT	
12.01.2022	61.00	41.00	7.50	13.50	NT	71.00	210.00	7.50	14.00	NT	71.00	215.00	7.50	14.00	NT	73.00	220.00	7.50	14.00	NT	73.00	220.00	7.50	14.00	NT	73.00	220.00	7.50	14.00	NT	
13.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18.01.2022	60.00	41.00	7.00	13.00	NT	67.00	213.00	7.50	13.50	NT	69.00	214.00	7.50	14.00	NT	70.00	218.00	7.50	14.00	NT	70.00	218.00	7.50	14.00	NT	70.00	218.00	7.50	14.00	NT	
19.01.2022	61.00	41.00	7.50	14.00	NT	68.00	212.00	7.50	14.00	NT	68.00	217.00	7.50	14.00	NT	70.00	219.00	7.50	14.00	NT	70.00	219.00	7.50	14.00	NT	70.00	219.00	7.50	14.00	NT	
20.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.01.2022	61.00	40.00	7.00	13.50	NT	72.00	213.00	7.50	14.00	NT	72.00	213.00	7.50	14.00	NT	72.00	213.00	7.50	14.00	NT	72.00	213.00	7.50	14.00	NT	72.00	213.00	7.50	14.00	NT	
26.01.2022	60.00	40.50	7.50	13.50	NT	70.00	215.00	7.50	14.00	NT	71.50	217.00	7.50	14.00	NT	71.00	220.00	7.50	14.00	NT	71.00	220.00	7.50	14.00	NT	71.00	220.00	7.50	14.00	NT	
27.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31.01.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	60.51	40.69	7.19	13.38	NT	68.88	210.50	7.50	13.75	NT	70.19	213.58	7.50	14.00	NT	71.06	217.31	7.56	14.06	NT	71.06	217.31	7.56	14.06	NT	71.06	217.31	7.56	14.06	NT	
NT = NOT TRACEABLE IN THE SAMPLE.																															

NT - NOT TRACEABLE IN THE SAMPLE.

Lab. Incharge (Ewc)
F01(09-10)02

Ambient Air Quality Monitoring Results of Cement Plant

Period: Feb-22

Date of Sampling	At SWRP (C1)						Near Old Limestone Crusher (C2)						Old Weigh Bridge (C3)						SW End of CPP Boundary (Near Ballada Gate) (C4)								
	µg/m ³						µg/m ³						µg/m ³						µg/m ³								
	PM10	PM2.5	SO ₂	NO ₂	CO		RPM	SPM	SO ₂	NO ₂	CO	RPM	SPM	SO ₂	NO ₂	CO	RPM	SPM	SO ₂	NO ₂	CO	RPM	SPM	SO ₂	NO ₂	CO	
01.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04.02.2022	60.00	41.50	7.00	13.00	NT	-	67.00	208.00	7.00	13.50	NT	67.50	212.00	7.50	13.50	NT	70.50	215.00	7.50	-	-	-	-	-	-	-	-
05.02.2022	60.50	41.00	7.00	13.00	NT	-	65.00	209.00	7.00	14.00	NT	71.50	211.00	7.50	14.00	NT	71.00	215.00	7.50	14.00	NT	71.00	215.00	7.50	14.00	NT	NT
06.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NT
07.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NT
08.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11.02.2022	61.00	41.00	7.00	13.00	NT	-	68.00	210.00	7.50	13.00	NT	72.50	213.00	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-
12.02.2022	61.50	41.00	7.50	13.50	NT	-	70.00	213.00	7.50	14.00	NT	72.00	216.00	7.50	14.00	NT	72.00	216.00	7.50	14.50	NT	72.00	216.00	7.50	14.50	NT	NT
13.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NT
14.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NT
15.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18.02.2022	61.50	42.00	7.00	13.00	NT	-	68.00	215.00	7.50	13.50	NT	70.00	215.00	7.50	14.00	NT	71.00	219.00	7.50	14.00	NT	71.00	219.00	7.50	14.00	NT	-
19.02.2022	62.00	42.50	7.50	14.00	NT	-	69.00	218.00	7.50	14.00	NT	70.00	220.00	7.50	14.00	NT	72.00	221.00	7.50	14.00	NT	72.00	221.00	7.50	14.00	NT	NT
20.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NT
21.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NT
22.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.02.2022	62.50	41.50	7.00	13.50	NT	-	72.50	220.00	7.50	14.00	NT	73.00	216.00	7.50	14.00	NT	73.50	220.00	7.50	14.00	NT	73.50	220.00	7.50	14.00	NT	-
26.02.2022	61.50	41.60	7.50	13.50	NT	-	71.50	217.00	7.50	14.00	NT	72.00	220.00	7.50	14.00	NT	72.00	221.00	7.50	14.00	NT	72.00	221.00	7.50	14.00	NT	NT
27.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NT
28.02.2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NT
Average	61.31	41.50	7.19	13.31	NT	-	68.86	213.50	7.38	13.75	NT	71.05	215.38	7.50	13.94	NT	71.81	216.50	7.50	14.06	NT	71.81	216.50	7.50	14.06	NT	NT

NT: - NOT TRACEABLE IN THE SAMPLE

NT:- NOT TRACEABLE IN THE SAMPLE

Lab. Incharge (Rev.)
F01(08-10)02

Ambient Air Quality Monitoring Results of Cement Plant

Period: March-2022

Date of Sampling	At SWRP (C1)						Near Old Limestone Crusher (C2)						Old Weigh Bridge (C3)						SW End of CPP Boundary (Near Ballads Gate) (C4)												
	µg/m ³						µg/m ³						µg/m ³						µg/m ³												
	PM10	PM2.5	SO ₂	NO ₂	CO		RPM	SPM	SO ₂	NO ₂	CO	RPM	SPM	SO ₂	NO ₂	CO	RPM	SPM	SO ₂	NO ₂	CO	RPM	SPM	SO ₂	NO ₂	CO	RPM	SPM	SO ₂	NO ₂	CO
01-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04-03-2022	57.00	39.50	8.50	14.40	NT	-	62.00	191.00	8.20	14.20	NT	80.20	189.00	8.10	16.50	NT	89.00	184.00	8.3	15.40	NT	89.00	184.00	8.3	15.40	NT	89.00	184.00	8.3	15.40	NT
05-03-2022	54.00	40.00	7.30	15.20	NT	-	54.40	177.00	8.30	15.90	NT	71.60	213.00	8.30	14.20	NT	74.00	167.00	7.70	14.20	NT	74.00	167.00	7.70	14.20	NT	74.00	167.00	7.70	14.20	NT
06-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11-03-2022	69.00	39.00	7.80	15.60	NT	-	58.40	167.00	8.30	14.30	NT	69.50	179.00	8.20	13.40	NT	55.00	180.00	8.10	13.40	NT	55.00	180.00	8.10	13.40	NT	55.00	180.00	8.10	13.40	NT
12-03-2022	57.00	35.00	6.20	14.70	NT	-	52.60	153.00	7.90	13.20	NT	71.40	198.00	9.30	14.30	NT	67.00	191.00	8.80	12.90	NT	67.00	191.00	8.80	12.90	NT	67.00	191.00	8.80	12.90	NT
13-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18-03-2022	59.60	37.10	8.40	14.20	NT	-	60.00	185.00	7.50	13.50	NT	70.00	216.00	7.50	14.00	NT	71.00	218.00	7.50	14.00	NT	71.00	218.00	7.50	14.00	NT	71.00	218.00	7.50	14.00	NT
19-03-2022	55.70	34.80	7.60	13.80	NT	-	55.00	163.70	7.60	14.00	NT	70.80	220.00	7.50	14.00	NT	72.00	221.00	7.50	14.00	NT	72.00	221.00	7.50	14.00	NT	72.00	221.00	7.50	14.00	NT
20-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25-03-2022	60.80	40.70	6.80	15.60	NT	-	63.70	174.00	7.20	12.50	NT	61.00	178.00	8.60	15.20	NT	64.50	155.00	8.30	13.90	NT	64.50	155.00	8.30	13.90	NT	64.50	155.00	8.30	13.90	NT
26-03-2022	62.40	43.10	7.20	12.60	NT	-	43.00	168.00	7.80	13.50	NT	98.00	186.00	8.10	13.60	NT	86.20	195.00	7.70	12.20	NT	86.20	195.00	7.70	12.20	NT	86.20	195.00	7.70	12.20	NT
27-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31-03-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	58.56	38.66	7.74	14.51	NT	-	56.26	174.64	8.04	14.14	NT	67.45	197.38	8.19	14.38	NT	69.71	189.00	7.96	13.75	NT	69.71	189.00	7.96	13.75	NT	69.71	189.00	7.96	13.75	NT

NT - NOT TRACEABLE IN THE SAMPLE.

Lab. Incharge (Kov.)
F01(08-10)/02

AMBUJA CEMENTS LIMITED
UNIT - RABRIYAWAS

SWRP ANALYSIS REPORT FOR THE MONTH OF OCTOBER '2021

S. No.	Parameters	Result
1.	pH	7.70
2.	BOD, at 27°C, 3 days	18.50
3.	COD	76.00
4.	TSS	65.00
5.	Oil & Grease	<2.0
6.	Ammonical Nitrogen (as N)	<2
7.	Sulphide (as S)	<0.05

All parameters in mg/l except pH.

A. Sub.
Lab Incharge (Env.)

AMBUJA CEMENTS LIMITED
UNIT – RABRIYAWAS

SWRP ANALYSIS REPORT FOR THE MONTH OF NOVEMBER '2021

S. No.	Parameters	Result
1.	pH	7.75
2.	BOD, at 27°C, 3 days	18.00
3.	COD	75.00
4.	TSS	60.00
5.	Oil & Grease	<2.0
6.	Ammonical Nitrogen (as N)	<2
7.	Sulphide (as S)	<0.05

All parameters in mg/l except pH.

f. Asul
Lab Incharge (Env.)

AMBUJA CEMENTS LIMITED

UNIT - RABRIYAWAS

SWRP ANALYSIS REPORT FOR THE MONTH OF DECEMBER '2021

S. No.	Parameters	Result
1.	pH	7.80
2.	BOD, at 27°C, 3 days	19.00
3.	COD	76.00
4.	TSS	61.00
5.	Oil & Grease	<2.0
6.	Ammonical Nitrogen (as N)	<2
7.	Sulphide (as S)	<0.05

All parameters in mg/l except pH.


Lab Incharge (Env.)

AMBUJA CEMENTS LIMITED

UNIT - RABRIYAWAS

SWRP ANALYSIS REPORT FOR THE MONTH OF JANUARY '2022

S. No.	Parameters	Result
1.	pH	7.70
2.	BOD, at 27°C, 3 days	18.00
3.	COD	75.00
4.	TSS	63.00
5.	Oil & Grease	<2.0
6.	Ammonical Nitrogen (as N)	<2
7.	Sulphide (as S)	<0.05

All parameters in mg/l except pH.

Resul.
f Lab Incharge (Env.)

AMBUJA CEMENTS LIMITED
UNIT - RABRIYAWAS

SWRP ANALYSIS REPORT FOR THE MONTH OF FEBRUARY '2022

S. No.	Parameters	Result
1.	pH	7.60
2.	BOD, at 27°C, 3 days	17.00
3.	COD	77.00
4.	TSS	66.00
5.	Oil & Grease	<2.0
6.	Ammonical Nitrogen (as N)	<2
7.	Sulphide (as S)	<0.05

All parameters in mg/l except pH.

A. S. S.
Lab Incharge (Env.)

AMBUJA CEMENTS LIMITED
UNIT - RABRIYAWAS

SWRP ANALYSIS REPORT FOR THE MONTH OF MARCH - 2022

S. No.	Parameters	Result
1.	pH	7.86
2.	BOD, at 27°C, 3 days	10.33
3.	COD	81.6
4.	TSS	25
5.	Oil & Grease	4.0
6.	Ammonical Nitrogen (as N)	<2
7.	Sulphide (as S)	<0.01

All parameters in mg/l except pH.



Lab Incharge (Env.)

Plant & Colony:

Date :01.04.2022

S. No.	Year of Plantation*	Number of Plant Planted	Number of Plant Survived	Survival Rate (Avg) (%)**	Area Covered in Plantation (Hectare)
1	1996-2000	33909	5526	16.3	16.00
2	2000-2001	12338	7488	60.69	15.25
3	2001-2002	11713	9364	79.94	13.50
4	2002-2003	6249	5122	81.96	7.25
5	2003-2004	7270	6058	83.33	7.50
6	2004-2005	5516	4728	85.71	3.00
7	2005-2006	5774	4814	83.37	1.50
8	2006-2007	6951	6121	88.06	4.00
9	2007-2008	5740	5007	87.23	5.00
10	2008-2009	13757	12352	89.79	7.00
11	2009-2010	9430	8678	92.02	6.00
12	2010-2011	7708	7560	95.74	5.00
13	2011-2012	13028	11752	90.21	10.00
14	2012-2013	7819	7220	92.34	5.00
15	2013-2014	9667	8556	85.86	5.00
16	2014-2015	12110	10753	88.79	9.25
17	2015-2016	11513	10157	88.22	8.75
18	2016-2017	2000	1810	90.5	1.50
19	2017-2018	5000	4800	96	4.00
20	2018-2019	5000	4853	97	3.50
21	2019-2020	3500	3395	97	2.50
22	2020-2021	3695	3621	98	2.50
23	2021-2022	2500	GAP PPLANTATION FOR DENSITY ENHANSMENT		
Total		202187	149735	84.91	143.00

* Year of plantation considered **July to June**.

** Calculated as average of all above years (%)

SOCIAL BENEFITS:

Proposed expansion project will result in growth of the surrounding areas by increased direct and indirect employment opportunities in the region including ancillary development and supporting infrastructure. Beside this, Royalty and other taxes are/ would be additional benefit and it is being/ will be utilized by local administration for the development of socio-economic infrastructure and wellbeing of the local population. The various activities proposed through CER (Corporate Environment Responsibility) would help in upgradation of basic infrastructure, amenities. Details of various CSR/ESC Activities carried out are given below:

Table 1.1

SL	Particular	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
1.	Water resource Management	157.88	159.07	176.65	175.30	189.37	184.10	180.31	117.88	82.81	48.50	51.20
2.	Agricultural development	23.89	28.26	28.50	22.80	31.04	31.12	28.28	33.29	40.04	36.01	32.74
3.	Health, Sanitation, and women Empowerment	32.81	33.30	30.60	21.15	23.20	22.94	11.57	11.79	10.26	9.01	6.85
4.	Rural Infrastructure	82.16	138.84	144.0	116.30	134.03	122.24	179.75	161.71	149.53	120.00	43.08
5.	Skill Development	20.40	26.70	32.04	31.77	34.79	42.10	50.63	54.14	46.78	39.35	31.72
6.	Overheads	43.50	58.10	64.90	54.30	60.40	68.45	80.10	80.44	77.00	75.00	23.98
	Total	360.64	444.27	476.69	421.62	472.83	470.95	530.64	459.29	406.52	327.87	189.57

CSR/ESC Expenditure of Past Five Years (Rs. In Lakhs)

Rabriyawas location is surrounded by hills and sand all around the place and comes in semi-arid region of western Rajasthan. With highly uncertain rainfall in this area, people are majorly dependent of the ground water for their daily use. Sometimes drought and sometimes flood make this area highly risky for crops and people as well. This leads to this that people having water sources available like tube well or dig well can cultivate the Kharif season crops easily, rest others are majorly dependent on the Rabi season crops only. Community is majorly dependent on agriculture and allied activities for their livelihood and most of the land is rain fed, so community faces many problems like drinking water, health issues, irrigation, and low agricultural productivity.

Water Resource Management

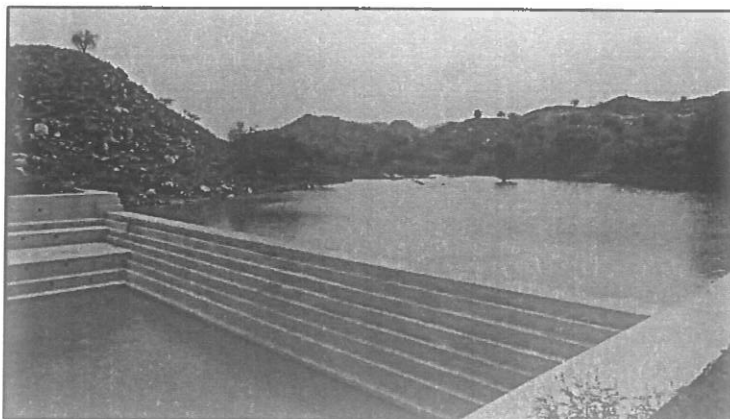
Management of water resource is the major concern in this area. The average rainfall in western Rajasthan is just 300-350 mm per year. Ground water in some part of the area is also affected by higher concentration of dissolved salts and fluoride. Famines are frequent, often causing mass migration of populations. The soil condition is extremely poor and mainly characterized by sandy and sandy loam. This has an adverse impact on drinking water security and water for irrigation in the area. Traditionally, the community in the region has always depended on village ponds and open dug wells for their drinking water; and agriculture is mainly seasonal and rain fed. When rainfall is less, it is even difficult for the farmers to save their Kharif (monsoon) crops too. There is no facility to provide support irrigation.

The overall impact of lack of water reflected on all aspects of people's lives. ACF began its intervention in WRM in the region in the year 2006 through a participatory approach and supported the active revival of traditional water conservation methods to raise the water level and build access to quality water throughout the year.

ACF is applying following approach for water availability in Area for drinking purpose as well agriculture purpose.

A. Construction of water harvesting structure for development of water Resource-

ACF used a multi-pronged approach to address the issue of WRM in the region; undertaking various activities based on the village needs, and geographical conditions. Our activities included a revival of traditional water harvesting systems, as well as integrating innovative water management systems to enhance water bodies in the region. With the regular discussion with community and then further assessing how to promote new technologies to address the water for irrigation



in the arid region with sandy bed rivers and Nalas. We have tested two new soil and water conservation structures in the area - the innovative Subsurface Dykes and Khadin Cultivation, a traditional Runoff Farming System.

Given the limited and very scarce rainfall in the area, there is need to harvest the runoff/ surface water as much as possible through construction of series of Check dams in the streams and rivers. ACF has already implemented pilots in the project area and analyzed the impact, results in terms of surface water storage as well as recharging the nearby wells for the drinking purpose.

Long dry spells in the area have always resulted in huge quantity of crop losses. To address this issue, ACF has replicated the model of farm pond on the farmer's land.

Name of Structure	No. of Structures developed	Water harvesting Capacity Created
No. of Check Dams	44	60.59 MCFT
No. of Dykes	22	184.17 MCFT
No. of Khadins	35	92.67 MCFT
No. of Pond Deepening	191	85.00 MCFT
Farm Bunding	875	1725.15 Ha.
Farm Ponds	56	5.19 MCFT
Total no. of Structures	1223	427.62 MCFT

Drinking Water Security

For availability of safe and potable drinking water ACF has taken many initiatives in Rajasthan some of the key initiatives are as follows-

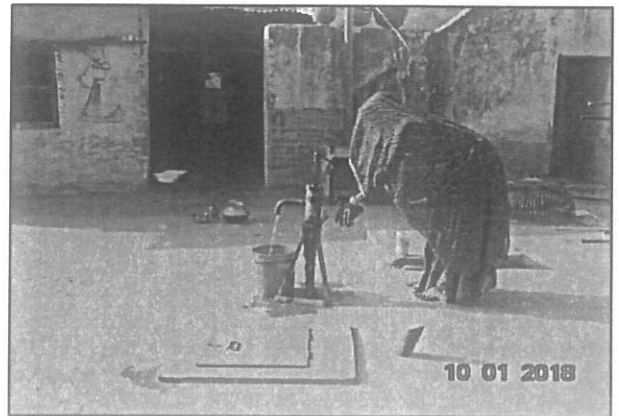
- Roof top Water Harvesting Structures (RRWHS)
- Drinking Water Distribution System (DWDS)
- Drinking Water Sources –Ponds/wells/Hand pumps

Roof Rainwater Harvesting System-

The poor families whose livelihood mainly depends on daily wages or agriculture labor are not in position to construct RRWHS in their houses because of high initial cost which is about Rs 3.5/liter. In our operational area 12-15 % families in each village do not have RRWHS due to poor economic condition.

In that situation to cover marginal and small families provided technical & financial support by ACF and rest expenses they can contribute like labor and mason. For a family of 4-5-person, 12,000-liter capacity RRWHS is sufficient for drinking purpose and it needs about 40 sqm catchment area to fill.

Ambuja Cement Foundation Rabriyawas Promoted 2099 RRWHS in Project villages for marginal & small farmer families.



Drinking Water Distribution System-

Ambuja Cement Foundation is committed for drinking water availability to each Household within range of 200M. This is the part of our water security mission for this we have installed drinking water distribution system owned by community.

This program is piloted from two villages of Rabriyawas location to be scaled up in coming years. At present all families of Patan and Kesarpura villages are having water availability within 200M they have taken the responsibility to maintain and sustain it further.



Six DWDS Installed in two villages and benefitting more than 2000 peoples and their cattle's.

Drinking water sources -Ponds/wells/Hand pumps



Traditionally community of Rural Rajasthan drink water directly from ponds or digging wells inside the pond. For this purpose, ACF is continuously engaged in creating, revival and deepening of village pond to ensure water availability for all. These ponds also help in ground water recharging which create positive impact on availability of water in nearby wells, tube wells and hand pumps. ACF also supports community in repairing and maintaining the hand pumps and has also revived many wells in project villages of Rajasthan.

ACF has revived/created 191 village ponds having water storage capacity of 85.00 MCFT

A. Water use Efficiency

In the scarcity of water use of water in efficient way is equally important to water harvesting and storage works. To promote effective utilization of available water in agriculture micro-irrigation system i.e.-Drip irrigation system and sprinkler system is being promoted by AmbujaCement Foundation.

By using Micro-Irrigation System cultivation area is increased and better production can be gained. Drip Irrigation system uses seven times lesser water than other irrigation techniques.



ACF Promoted Micro-Irrigation system in 1436.46 Ha with 636 Farmers

Agricultural Development

ACF's Vision for Agriculture Program in Rajasthan-
"Ensuring 12 months food sufficiency to farmer & doubling their income by 2020"

- Promoting Vegetable cultivation Program with 457 farmers in 617.08 Acre in Project Area
- Promoting Wadi Development Program with 74 farmers in 153.76 Acre in Project Area



- Promoting Improved Crop Management Program with 3244 farmers in 29424 Acre in Project Area
- Capacity building program are being organized in Animal Husbandry Program with 2641 Households.
- Organized veterinary camps in project village
- Promoting Farmer groups and farmer producer organization in villages for sustainable development.
- One more initiative taken by ACF to promote the Balaji Farmer Produce company which is engaged in Biomass supply business and as of now has supplied 117993 MT biomass to Ambuja Cement Ltd. Around 2600 farmers are engaged in Balaji farmer producer company.



Women Empowerment

Women's empowerment is crucial to sustain various community development programmes. It is a proven fact that attitudinal changes on the part of women have an impact on the attitudes of their families and communities.

- Strengthening Economic and Social status of women by Promoting Self Help Groups
- Establishing sustainable apex institution of women led SHGs
- Promoting Income Generation Activities with SHGs to improve their livelihood and their daily earnings.

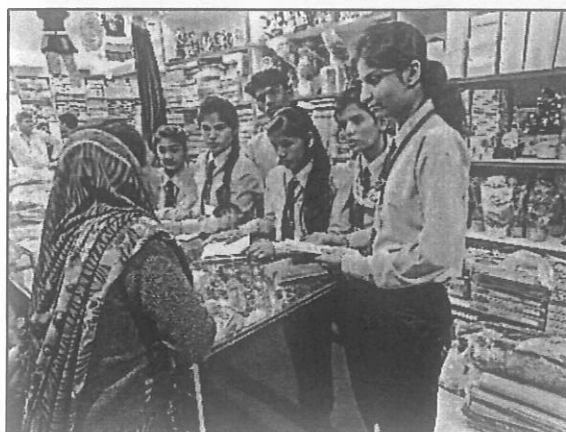


ACF supports over 54 self-help groups with 587 women members across three locations in Rabriyawas with cumulative corpus of over Rs.34.00 lakh. Today, these groups have gone beyond their simple monthly savings, and built linkages with banks providing technical support to start their own entrepreneurship leading to sustainable livelihoods. These SHGs are now participating in the social activities of the villages, be it the proposal for the revival of ponds, improving the health facilities in the villages.

Skill Development (SEDI)

SEDI is a functional structure to promote productive employment and micro-enterprise. SEDI offers short, intensive courses in various trades that aim to achieve sustainable livelihood by strengthening youth's technical and functional skills.

The emphasis of a skill training program is on the unemployed youth to provide them with an opportunity of education in a skill that would ensure



adequate livelihood opportunity. The target age group of the program is between 18-30 years, ranging from the high school drop-out and unemployed youth to the ones already working aspiring to upgrade their skills. A strong belief is in coalesce of skill training backed by life skills which will enable the participants live a healthy and productive life.

Objective-

- To bridge the gap of skills required in an economy by enabling an access to skill training opportunities
- To encourage the entrepreneurial spirit among the local youth by way of hand holding & facilitating in setting up of an enterprise
- To promote holistic growth of the participants with life skills to support improved quality of life

Trained 6985 youth in SEDI Jaitaran with 74% placement. Trainees are successfully placed in different sectors like-Retail and sales, office assistant, Microfinance, Beautician etc. Female participation is 32.21% in trained youths.

Health & Sanitation:

ACF comprehensive health care programme emphasizes on an integrated approach to health, wherein development issues like water, sanitation, roads, livelihood, nutrition and education which determine village health, are given equal attention.



- ACF provide primary care through mobile health dispensary in seven neighboring project villages.
- From past 2 months ACF is practicing tele-medicines in the 2 villages and has covered around 105 patients till date.
- During the COVID pandemic ACF has distributed 16000 masks, 500 sanitizer, ration packets to 1500 poor., awareness campaigning through jeep announcements, SMS, images, and videos through online platforms like whatsapp and 20 wall painting in 5 villages.
- ACF Organize medical health camps General/special in twelve core project villages.
- HIV/AIDS awareness program with RSACS for employee as well as community and with the truckers and allied transporters.
- Supporting & Strengthening AAA model to improve MCH services in 56 Anaganwadis with 12693 HHS.
- Covered 78% HHs in our project area for sanitation facility with proper utilization of toilets. Under Swatch Bharat Mission. Now all five-gram panchayats declared ODF by

Government. Presently we are re-surveying the core villages for the use and availability of toilets under Swachh Bharat Mission II phase.

- We are improving the government infrastructure like development of Anganwadi, support in PHC & CHC of our core villages.

Infrastructure Development

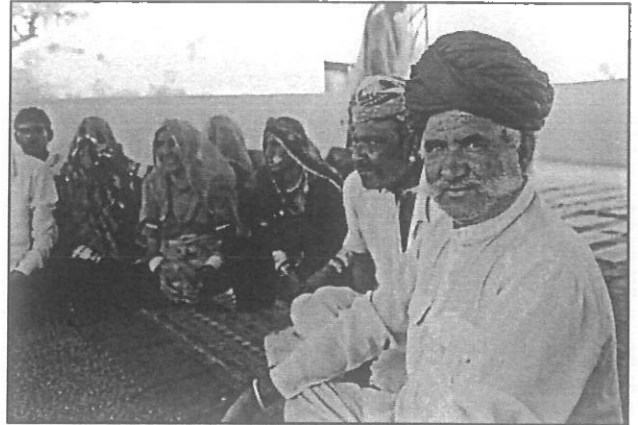
For the development of village ACF is also providing following infrastructure support in community in project villages. Construction of Cement Concrete/Gravel Roads.

- Repair & Development of community halls.
- Village electrification work by providing street lights and Installing High Mast Lights on the main cross roads of the villages.
- Securing the villages with installation of WiFi and IP enabled CCTV surveillance system.
- Modification and development of Anganwadi Centers by providing the TLM material and educational paintings at 6 AWC till March 2021.
- Modification and Development of Balada PHC with IEC painting for the staff and patients and community members so as to aware about different health related schemes and precautionary measures to be taken to avoid getting sick.
- Repair & Goshala Development and construction of cattle drinking water points.
- ACF has been working on promoting clean and renewable energy sources through its initiatives in Rabriyawas.
- Support for cultural program in the community.



Community Based Event

- **Community Advisory Panel (CAP)** -Involving community leaders and Key departments heads to discussion on Key Issues i.e. -Impact and feedback of CSR initiative, Future needs and convergence between Govt. scheme and ACF program under the **Community Advisory Panel(CAP) meeting**
- **Social Engagement Scorecard (SES)** - Involving **Opinion Leaders and ACL departments** through **Social Engagement Score Card Exercise** to get the community feedback.
- **Unit Sustainable Steering Committee (USSC)** - Involving various departments for discussion on the various plant sustainability issues under the USSC meeting.
- **Volunteer Activities-Involving Company Employees and community** for safety awareness through **Volunteerism** programme.
- **Village Development Committee-** Formed village development committee for raising development issue of village and for sustainable development of village.
- **Workshops-** Organize workshops on different issues of development like-Water, Skill, and Agriculture, Health etc. at state and national level.



F. No. J-11011/189/2006-IA.II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi - 110003
E-mail: dirind-moefcc@gov.in
Tel: 011-24695368
Dated: 14.07.2020

To

M/s. Ambuja Cements Ltd.
Village Rabriyawas, Tehsil Jaitaran,
District Pali, Rajasthan

Subject: Expansion of cement plant [Clinker – 5000 to 7000 TPD; Cement Plant - 1.80 to 3.60 MTPA; Captive Power Plant (CPP) - 18 MW] of M/s. Ambuja Cements Ltd located at Village Rabriyawas, Tehsil Jaitaran, District Pali, Rajasthan. - Amendment in Environment Clearance- regarding.

Sir,

This is reference to your online application vide proposal no. IA/RJ/IND/124083/2019 dated 5th November, 2019 in prescribed Form-4 along with other documents seeking amendment to Environmental Clearance (EC) for the project mentioned above. The proposed project activity is listed at Sl. No. 3(b) cement plants under Category "A" EIA Notification, 2006 and the proposal is appraised at central level.

2. M/s. Gujarat Ambuja Cement Ltd was accorded EC for existing cement plant vide letter no. J- 11011/189/2006- IA- II(I) dated 31st August 2006 for integrated cement plant with installed capacity - Clinker (2.4 MTPA), Cement (3.6 MTPA) and CPP (18 & 15 MW) at Village: Rabriyawas, Tehsil: Jaitaran, District: Pali (Rajasthan).
3. Name of the company was changed as M/s Ambuja Cements Ltd., and letter for name change was issued vide letter F.No. J-11011/189/2006 – IAII.(I) dated 30.04.2020.

Details Submitted by project proponent:

4. Now, M/s. Ambuja Cements Ltd proposed an amendment in existing EC for up-gradation / modification in existing Cement Plant with following facilities:
 - i. Addition of Steel Silo (2500 MT)
 - ii. Installation of Electronic Packer (18 spouts),
 - iii. Proposed Wagon Tippler for Railway siding (4.00 Rakes/day)
 - iv. Change in Product mix w.r.t addition of PSC, Composite Cement, and Microfine Ordinary Portland Cement with existing Product mix i.e OPC and PPC without changing the production capacity.
5. Additional mitigation measures are proposed in environment management plan as given below:
 - i. Company is proposing installation of Steel silo; which will be equipped with dust extraction arrangement.
 - ii. The packers will be equipped with dust extraction arrangement.

- iii. Wagon tippler for railway siding will be equipped with Pulse Jet Bag filters and transportation by road will be reduced.
- iv. Change in Product mix w.r.t. addition of PSC, composite cement and micro fine ordinary Portland cement with existing Product mix i.e OPC and PPC without changing the production capacity, therefore no impact is envisaged, however; slag will be added to produce to PSC and Composite Cement but overall transportation by road will be reduced.

Recommendations of the committee:

6. The proposal was considered in the EAC meeting held during 27-29th November 2019.
7. After detailed deliberations, the committee made following recommendations to amend the existing Environmental Clearance. The change of product mix was exempted from obtaining Environmental Clearance as per MoEF&CC Notification S.O.3518 dated 23rd November 2016. However, the following additional conditions were recommended by the Committee.
 - i. Wagon tippler and additional silo are recommended with dust extraction system at all the drop points
 - ii. Greenbelt shall be developed in additional 10 acres area.
 - iii. All other terms and conditions shall remain unchanged.

Decision of MoEF&CC

8. The Ministry consider the recommendation of EAC and here by decided to amend the EC dated 31st August 2006 as proposed up-gradation/modification in the existing plant at para 5 above along with specific conditions recommended by EAC at para 8 above and additional mitigation measures at para 6.
 9. All other terms and conditions in the EC dated 31st August 2006 shall remain the same.
- This issues with the approval of competent authority.


 (A.K. Agrawal)
 Director

Copy to:-

- 1) Secretary, Department of Environment, Government of Rajasthan, Secretariat Jaipur.
- 2) Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (CZ), Kendriya Bhawan, 5th Floor, Sector "H", Aliganj, Lucknow - 226020.
- 3) Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
- 4) Chairman, Rajasthan State Pollution Control Board, 4, Institutional area, Jhalana, Doongri, Jaipur.
- 5) Member Secretary, Central Ground Water Authority, A2, W- 3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
- 6) District Collector, Pali District, Government of Rajasthan.
- 7) Guard File/Record File/Monitoring File.
- 8) MoEF&CC Website


 (A.K. Agrawal)
 Director

Ambuja Cement

Noise Level Monitoring Report of Cement Plant for the Month of October '2021

1. Ambient Noise Level:

S. No.	Location	Date of Monitoring	Noise Level in dB (A)	
			Day	Night
1	At SWRP	04.10.2021	54	50
2	Near Lime stone Crusher (Old)	04.10.2021	68	63
3	Old Weigh Bridge (Near Mines Office)	04.10.2021	67	62
4	SW End of CPP Boundary (Near Ballada Gate)	04.10.2021	68	57
5	Near Colony Gate	04.10.2021	53	49

Asul.
Lab. Incharge (Env.)

F03 (09-10)/19

AMBUJA CEMENTS LIMITED UNIT – RABRIYAWAS

Works: PO Rabriyawas, Tehsil – Jaitaran, Dist. – Pali (Raj.) 306 709
Tel: 02939 288011-18, Fax: 02939 288030

CIN: L26942GJ1981PLC004717 Website: www.ambujacement.com

(Registered Office: PO – Ambujanagar, Taluka – Kodinar, Dist. – Gir Somnath (Guj.) 362 715)

Ambuja Cement

Noise Level Monitoring Report of Cement Plant for the Month of November '2021

1. Ambient Noise Level:

S. No.	Location	Date of Monitoring	Noise Level in dB (A)	
			Day	Night
1	At SWRP	04.11.2021	55	49
2	Near Lime stone Crusher (Old)	04.11.2021	66	62
3	Old Weigh Bridge (Near Mines Office)	04.11.2021	66	62
4	SW End of CPP Boundary (Near Ballada Gate)	04.11.2021	66	56
5	Near Colony Gate	04.11.2021	52	49

[Signature]
Lab. Incharge (Env.)

F03 (09-10)/19

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Ambuja Cement

Noise Level Monitoring Report of Cement Plant for the Month of December'2021

1. Ambient Noise Level:

S. No.	Location	Date of Monitoring	Noise Level in dB (A)	
			Day	Night
1	At SWRP	04.12.2021	54	50
2	Near Lime stone Crusher (Old)	04.12.2021	67	62
3	Old Weigh Bridge (Near Mines Office)	04.12.2021	66	60
4	SW End of CPP Boundary (Near Ballada Gate)	04.12.2021	67	54
5	Near Colony Gate	04.12.2021	53	49

f. A. Sub.
Lab. Incharge (Env.)

F03 (09-10)/19

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Ambuja Cement

Noise Level Monitoring Report of Cement Plant for the Month of January' 2022

1. Ambient Noise Level:

S. No.	Location	Date of Monitoring	Noise Level in dB (A)	
			Day	Night
1	At SWRP	04.01.2022	55	50
2	Near Lime stone Crusher (Old)	04.01.2022	68	62
3	Old Weigh Bridge (Near Mines Office)	04.01.2022	65	58
4	SW End of CPP Boundary (Near Ballada Gate)	04.01.2022	68	54
5	Near Colony Gate	04.01.2022	53	48

A. S. L.
+ Lab. Incharge (Env.)

F03 (09-10)/19

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Ambuja Cement

Noise Level Monitoring Report of Cement Plant for the Month of February' 2022

1. Ambient Noise Level:

S. No.	Location	Date of Monitoring	Noise Level in dB (A)	
			Day	Night
1	At SWRP	03.02.2022	54	49
2	Near Lime stone Crusher (Old)	03.02.2022	67	60
3	Old Weigh Bridge (Near Mines Office)	03.02.2022	66	59
4	SW End of CPP Boundary (Near Ballada Gate)	03.02.2022	69	52
5	Near Colony Gate	03.02.2022	52	48


Lab. Incharge (Env.)
F03 (09-10)/19

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Ambuja Cement

Noise Level Monitoring Report of Cement Plant for the Month of March - 2022

1. Ambient Noise Level:

S. No.	Location	Date of Monitoring	Noise Level in dB (A)	
			Day	Night
1	At SWRP	08.03.2022	53	48
2	Near Lime stone Crusher (Old)	08.03.2022	69	58
3	Old Weigh Bridge (Near Mines Office)	08.03.2022	62	56
4	SW End of CPP Boundary (Near Ballada Gate)	08.03.2022	68	53
5	Near Colony Gate	08.03.2022	53	46



Lab. Incharge (Env.)

F03 (09-10)/19

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