Ambuja Cement

89665

REGD. A/D

ACL/EMD/F-16/2021/2408

06.11.2021

The Director,

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

Sub.: Half Yearly Compliance Status Report of Environmental Clearance of Gajambuja Cements Ltd. (Unit of Ambuja Cements Ltd).

Ref.: Environmental Clearance Order No. J-11011/29/94-I (A) - II dated 16.01.1995 & Environmental Clearance Order No.J-11013/31/2000-IA-II (I) dated 24.10.2000. Sir,

We are pleased to submit herewith half yearly compliance status report (i.e. for the period of (April'2021 to September'2021) of Environmental Clearance Order No. J-11011/29/94-I (A) - II & Environment Clearance Order No.J-11013/31/2000-IA-II (I) granted by MoEF&CC to Gajambuja Cements Ltd. Unit of Ambuja Cements Ltd., located at Ambujanagar, Taluka - Kodinar, District – Gir Somnath (Gujarat).

Thanking you,

Yours Faithfully, For **Ambuja Cements Ltd**.

Devendra Singh Chauhan Head-Environment

Encl.: As above.

Copy to:

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

Regd. Office:

PO : Ambujanagar - 362 715, Tal : Kodinar, Dist. : Gir Somnath (Gujarat) Phone : (02795) 221137, 232009, Fax : (02795) 220328 Ambuja Cements Limited (Unit : Ambujanagar)

CIN No. : L26942GJ1981PLC004717 www.ambujacement.com Corporate Office : Elegant Business Park, MIDC Cross Road 'B' Off Andheri - Kurla Road, Andheri (E) Mumbai - 400 059. Phone : (022) 4066700

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

Ministry of Environment, Forest and Climate Change Regional Office (W), Bhopal Monitoring Report Part-I

DATA SHEET

0	Project type		DATA SHEET				
02		-	Cement				
0		+	Gajambuja Cements Ltd.				
	creataince letter(s) / OM no. and date		Environment Clearance Order No. J-11011/29/94-IA-II dated 16.01.1995 & Environment Clearance Order No. J-11013/31/2000-IA-II (I)				
04	Location	100	dated 24.10.2000				
	a) District(s)	1:					
	b) State(s)	↓ :					
	c) Latitude	:					
	d) Longitude	:					
05		:	7-10-				
-)	a) Address of concerned Project Chief	:					
	Engineer (with pin code & telephone / telex / fax numbers).	:	Manufacturing Cluster Head (W&S) Ambuja Cements Ltd. PO Ambujanagar, Taluka: Kodinar, Pin- 362715 District: Gir Somnath (Gujarat).				
	b) Address of Executive Project Engineer /		Tel: 02795-221137/232009/237403 Fax: 02795-220328/232032				
	Manager (with pin code / fax numbers.		Operation Head Gajambuja Cements Ltd. PO Ambujanagar, Taluka: Kodinar, Pin- 362715 District: Gir Somnath (Gujarat).				
06	Salient features		Tel: 02795-237220/237221 Fax: 02795-220328/232032				
	a) of the project	:	Gajambuja plant has two cement kilns including 4 cemer				
	b) Environmental management plans		mills with having total production of 4.2 MTPA. Cement m no. 4 has been installed in 2005-06 under this unit wir manufacturing capacity of 144000 MT/Month (1.728 MTPA Cement. The project cost was less than 50 Crore then EC wanot applicable.				
7	Breakup of the project area.		 All the existing stacks have been provided suitable a effective pollution control equipments to control the emission from 02 Nos of ESP stacks, 02 No GBH Stack and 09 bag filter stacks. The regular monitoring of all existing stacks is being carried out by Environment management division of ACI and also external agencies as per statutory requirements. For monitoring & to control emission level well below permissible limit; we have installed Continuous Emission Monitoring System (CEMS) at each Raw mill & Kiln Stack. Continual improvement in fugitive as well as source emissions through regular maintenance of existing air pollution control equipments and also implementation of eco-friendly techniques including greenbelt development in the area. 				
1	a) Cubmordanas		Walter Strain Control of the Control				
-	(forest & non- forest)	•	Not applicable				
3	Breakup of the project affected population :		28.8 Ha.				
) I							





with enumeration of those losing houses / dwelling units only agricultural land only, dwelling units & agricultural land & landless labourers / artisan.		
a) SC, ST / Adivasis	:	Not applicable
b) Others	:	Not applicable
09 Financial details	:	
 a) Project cost as originally planned and subsequent revised estimates and the year of price reference. 		Rs. 300 Cr.
b) Allocation made for Environmental Management Plans with item wise and year wise breakup.	:	List are enclosed as under

A. Ca	pital Invesstment for Environmental Monitoring	:
S.No	Particulars	Cost (In Lacs)
1	Monitoring Equipments	37.08
2	Environment Laboratory	10.00
3	Others (Monitoring Van, DG Sets etc.)	22.30
4	Continuous Emission Monitoring System	200.00
5	CAAQMS System	36.00
6	Opacity Meter	28.00
7	New Bag Filter in Cemenant Mill	114.00
	Total (In Lacs INR)	447.38
3. Rec	urring Expenditure for the period of April 2021 to Septe	ember'2021
S.No	Particulars	Cost (In Lacs)
1	Green belt development & Dust suppression	11.65
2	Manpower Cost *	28.14
3	House Keeping	13-99
4	Maintenance of Pollution Control Equipments	51,08
5	Other Env. Protection (Environmental Monitoring)	21.15
6	Environment Awareness *	0.75
-	Total (in Lacs INR)	126.76

Ambuja Cement Foundation - Ambujanagar Details for programme wise expenditure for the year April 2021 to Sept. 2021

(Rs. In lakhs) ****Direct ** Funds from ***People's received Funding to Total Exp. other Donors / ACF - ACL Sr.No Programme Contribution through Donor Agencies Communities Government GUJARAT - Kodinar Water Resource Mangement & Drinking Water Projects 4.69 4.69 a.Water Resource Devlopment 1.00 160.49 166.73 2.84 2.40 B .Drinking Water Programme Agriculture Development(Drip Irrigation, Farm Forestry & Afforesation) 54.68 53.20 121.56 6.65 7.03 28.24 35.02 195.80 1.01 123.85 7.68 BCI 70.25 1.02 69.23 Krishi Vigyan Kendra (KVK) - Agriculture 47.29 34.20 9.23 4.96 Health & Sanitation 0.63 0.63 *** Education Programme 2./1 2.71 women / Youth Development 0.12 12.52 54.42 24.76 17.02 8 Skill and Enterprunership Development Programme 121.73 29.77 9 Integrated Community Development Programme 10 Co-ordination & Administration Expenses 91.96 0.00 ** 0.00 11 Capital Expenditure /85.81 248.71 97.84 168.62 130.64 140.00 TOTAL

c) Benefit cost ratio / Internal rate of return and the year of assessment.	:	
 d) Whether (c) includes the cost of environmental management as shown in the above. 	:	
e) Actual expenditure incurred on the	:	Rs. 374 Cr.
f) Actual expenditure incurred on the environmental management plans so far.	:	30.348 Cr.

10	Forest land requirement.	T	Not applicable
	 a) The status of approval for diversion of forest land for non-forestry use 	1	
	b) The status of clearing felling	:	
	c) The status of compensatory afforestation, if any	:	
	 d) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far. 	:	
11	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information.		Not applicable
12	Status of construction.	:	
	 a) Date of commencement (Actual and / or planned) 	:	April 1995 & October 2000 (Expansion)
Auto and	 b) Date of completion (Actual and / or planned). 	:	1997
13	Reasons for the delay if the project is yet to start.	:	Not applicable
14	THE STATE VISITS	:	
	a) The dates on which the project was monitored by the Regional Office on previous occasions, if any.	:	12.10.10 to 13.10.10 by Dr. A. Mehrotra MoEF&CC Regional Office, Bhopal
	b) Date of site visit for this monitoring report	:	12.10.10 to 13.10.10
15	Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits).	:	 Half yearly compliance status report is being regularly submitted and last submission was on 17.05.2021 vide letter dated ACL/EMD/F-16/2021/2341/88953



Compliance Status of Environment Clearance issued to Gajambuja Plant vide MoEF Letter no. J-11011/29/94-IA-II dated 16.01.95, J-11013/31/2000-IA-II (I) dated 24.10.2000

to the stipulations made by the State Govt. and the State Pollution Control Board and is subject to their obtaining consent to establish prior to initiating any work. 2 (ii) Any further expansion of the plant can be taken up only with the prior approval of this ministry. 2 (iii) The emission from various units should conform to the standards prescribed by the Central Government or State Pollution Control Board. At no time the emission level of SPM should be exceed so mg/Nm3 In the event of failure of any pollution control system adopted by the unit, the respective unit should be put cut of operation immediately and should not be restarted until the control system and apopted by the unit, the respective unit should be put cut of operation immediately and should not be restarted until the control system are rectified to achieve the desired efficiency. Tyical components NM3: How we remain to the process Stacks for online of the performance of pollutant substances Tyical components NM3: Hot Pollutant	Vos wo are Complete a literal		ions	Condi			SN			
taken up only with the prior approval of this ministry. MoFF&CC. Necessary approval from Ministry have been take plant expansion done in year 2000. A Copy of obtained from MoFF&CC have already been subm MoFF&CC, Bhopal vide our letter no. ACI 16/2010/55920 dated 25,12,2010. (iii) The emission from various units should conform to the standards prescribed by the Central Government or State Pollution Control Board. At no time the emission level of SPM should be exceed 50 mg/Nm3 in the event of failure of any pollution control system adopted by the unit, the respective unit should be put cut of operation immediately and should not be restarted until the control system are rectified to achieve the desired efficiency. CEMS - The MCS100E IR-Analyzer, SICK MAIHAK Genoth is used for continuous Emission Monitoring System (CEM substances) Continuous Emission Monitoring report for the performance of pollutant substances Continuous Emission Monitoring System (CEMs) Tylical components NH3: HCE H2O: SCO2: CO2: NO: NO: NO: NO: NO: NO: NO: NO: NO: NO	State Govt. and the State Pollution Control Board Consent to establish has been obtained from GF of it has already been submitted to MoEF&CC vid no. ACL/EMD/F-16/2010/55920 dated 25.12.2010.	e Govt.	the stipulations made by the State Govt. In the State Pollution Control Board and is bject to their obtaining consent to tablish prior to initiating any work.				2 (i)			
The emission from various units should conform to the standards prescribed by the Central Government or State Pollution Control Board. At no time the emission level of SPM should be exceed 50 mg/Nm3 In the event of failure of any pollution control system adopted by the unit, the respective unit should be put cut of operation immediately and should not be restarted until the control system are rectified to achieve the desired efficiency. CEM5 - The MC5100E IR-Analyzer, SICK MAIHAK GmbH is used for continuous selective measurement of pollutant substances Continuous Emission Monitoring System (CEM5) Continuous Emission Monitoring System (CEM5) Tylical components NiH3: HCI: H2O: SO2: CO: NO2: N2O: CO: NO3: N2O: N2O: N2O: N2O: N2O: N2O: N2O: N2O	Yes, for further expansion, we shall take prior appeared. MoEF&CC. Necessary approval from Ministry have been to plant expansion done in year 2000. A Copy cobtained from MoEF&CC have already been su MoEF&CC, Bhopal vide our letter no.	of this	taken up only with the prior approval of this ministry.							
Analyzer, SICK MAHAK GmbH is used for continuous selective measurement of pollutant substances Continuous Emission Monitoring System (CEMS)	Regular stack monitoring is being carried out and regularly submitted to SPCB & MoEF&CC. In order to maintain the PM emission level wel mg/Nm³, we have installed Glass Bag House (GBH) As per MoEF&CC, New Delhi notification at 10 th We are maintaining the PM emission well within 30 Continuous Emission Monitoring System (Coinstalled at main process Stacks for online monidata are continuously transmitted to CPCB & GPCE Stack emission monitoring report for the	should by the representation of the represen	ds prescribed lor State Politime the emexceed 50 mg of any polid by the united be put coand should nontrol system	standar nment At no ould be f failur adopte t shoul ediately the o	Govern Board. SPM shevent of system ve unition immed d until	conform Central Control level of In the control respect operati restarte	2 (111)			
Stack Monitoring Results (April 2021 - September 2021) Month Raw mill Cooler Stack attached to					9					
Month Row mill Cooler Stack attached to Row mill Cooler Cool Mill 2 ESP-2 ESP	NH3; HCI; H20; S02; C0; N0; N02; N20; C02; O2		HAK GmbH lus selective pollutant	CK MA	yzer, Si ed for c sureme	Ana is us mea				
Skilin 1 ESP-1 Cool Mill 1 Skilin 2 Cooler	NH3; HCI; H20; S02; C0; N0; N02; N20; C02; O2	alssian Monitorin	HAK GmbH us selective pollutant Continuous En	CK MA ontinue nt of	yzer, Si ed for c sureme	Ana is us mea	1475 1475			
May-21 162 5.4 679.5 18.2 9.4 11.0 3.8 761.8 28.1 8.6 Jun-21 17.6 4.8 696.4 19.4 9.8 11.0 3.8 761.8 29.5 7.6 Jul-21 18.3 4.8 695.4 18.5 12.2 12.1 3.8 557.2 Plant Shurdown	NH3: HCI: H2O: SO2; CO: NO: NO2: N2O: CO2; O2	Results (Apr	HAK GmbH us selective pollutant Continuous Em	CK MA ontinue nt of	yzer, SII ed for c suremei tances	Ana is us mea subs				
Jul-21 18.3 4.8 696.4 19.4 9.8 10.8 3.4 543.4 28.4 8.2 Aug-21 Plant Shurgoup 12.2 12.1 3.8 557.2 Plant Shurgoup	ing System (CEMS) Porti Z021 - September 2021) ark attached to Rowmill Cooler Rowmill 2 ESP-2 Coal Mill 2	Results (Apr Star Coal Mill 1	Continuous En	ONTINUE ONTINU	yzer, Slied for c surementances	Ana is us mea subs	45			
Plant Shurgown	NH3: HCI: H20: SO2; CO: NO: NO2: N20: CO2: O2 ing System (CEMS) oril 2021 - September 2021) ork attached to Rew mill 8: Kila-2 PM SO2 Nox PM PM 115 SO2 Nox PM PM 125 47 7458 28.1 8.8	Results (Apr Star Coal Mill 1 PM 9.7	Continuous Em Continuous Em Cooler ESP-1 Nox PM 303.5 17.8 279.5 18.2	Standard Market	yzer, Sliced for consurement tances	Ana is us mea subs				
	NH3: HCI: H20: SO2; CO: NO: NO: NO2: N20: CO2: O2 ing System (CEMS) oril 2021 - September 2021) ork attached to Row mill 8: Kilin - 2 PM SO2 Nox PM PM 12.5 4.7 745.8 28.1 8.6 11.0 3.8 761.8 29.5 7.6 10.6 3.4 543.4 8.2	Results (Apr Str. Coal Mill 1 PM 9.7 9.4 9.8	Continuous En Continuous En Cooler ESP-1 NOX PM 383.5 17.8 279.6 18.2 398.4 19.4	Staw mill 8 Hin-1 502 6.5 5.4 4.8	yzer, Sliced for consurement tances PM 15.3 16.2 17.8	Month Apr-21 May-21 Jun-21 Jun-21				
Limit 30 100 800 30 30 30 100 000	NH3: HCI: H20: SO2; CO: NO: NO2: N20: CO2: O2 Ing System (CEMS) Ing	Results (Apr Sta Coal Mill 1 PM 9.7 9.4 9.8 12.2	Continuous En Co	Stew mill 8 Hills 1 So 2 So 4 4.8 4.8	yzer, Slied for c surementances PM 153 162 178 183	Month Apr-21 Jun-21 Jun-21 Jun-21 Jun-21 Aug-21				
Month Cement Mill-I Cement Mill-II C	NH3: HCI: H20: SO2; CO: NO: NO2: N20: CO2: O2 Ing System (CEMS) Ing	Results (Apr Star Coal Mill 1 PM 9.7 9.4 9.8 12.2	Continuous Em Continuous Em Continuous Em Cooler FSP-1 Nox PM 303.5 17.8 303.5 17.8 303.5 18.5 Flant Shuraown 120.3 19.3	Standard Continued of the continued of t	yzer, Slied for c surementances PM 153 162 176 183	Month Apr-21 May-21 Jun-21 Jun-21 Aug-21 Sep-21 Sep-21				
Apr-21 15.6 PM	NH3: HCI: H20: SO2; CO: NO: NO2: N20: CO2: O2 CO2: O2 CO2: O2 Ing System (CEMS) Ing S	Results (Apr Star Coal Mill 1 PM 9.7 9.4 9.8 12.2 9.6 30	Continuous En Color PM Society PM	Stew mill 8 Hth. 1 SO2 0.5 5.4 4.8 3.2 100	yzer, Siled for cosurement tances PM 15.3 15.3 16.2 17.6 18.3 18.0 30	Month Apr-21 May-21 Jun-21 Jun-21 Jun-21 Aug-21 Sep-21 Fermissible				
May-21 14.8 10.2 15.8 13.7 10.1 12.5 10.6	Ing System (CEMS) Ing System (C	Results (Apr Star Coal Mill 1 PM 9.7 9.4 9.8 12.2 9.6 30 Star Coment Mill III	Continuous En Color Esp-1 Continuous En Color Esp-1 Cooler Esp-1 Cool	State milling St	yzer, Sled for cosurement tances PM 153 163 178 183 18.0 30 Comment	Month Apr-21 May-21 Jun-21 Jun-21 Jun-21 May-21 May-21 Month Month				
Jul-21 14.3 10.8 14.1 12.7 11.8 9.9 11.9	NH3: HCI: H20; SO2; CO: NO; NO2; N20; CO: NO; NO2; N20; CO2; O2 CO2; O2 CO2; O2 CO2; O2 CO2; O2 CO3; O2; O2; O2; O2; O2; O2; O2; O2; O2; O2	Results (Apr Stanton Mill 1 PM 9.7 9.4 9.8 12.2 9.6 30 Start Coment Mill-III PM 16.8	Continuous Em Continuous Em Continuous Em Cooler ESP-1 NOX. PM 303.5 17.8 307.9 6 18.2 398.4 18.6 19.4 19.5 19.3 800 3 19.3 800 30 Coment MIII-IX PM 9.6 10.2	CK MA ontinuent of	yzer, Sled for cosurement tances PM 153 162 17.6 18.3 18.0 30 Cement PP 15.1 14.4	Month Apr-21 May-21 Jun-21 Jun-21 Jun-21 Month Month Apr-21 Month Apr-21 Month Apr-21 May-21				
Aug-21 19.4 13.7 14.1 13.7 12.2 11.7 10.5	Ing System (CEMS) Ing System (C	Results (Apr Stanton Mill 1 Pm 977 9.4 9.8 12.2 9.6 30 Start Mill-III PM 16.8 15.8 13.5	Continuous Em Continuous Em Continuous Em Cooler Esp-1 Nox PM 503.5 17.8 579.5 18.2 596.4 19.4 195.4 18.5 Plant Shurdown 20.3 19.3 800 30 Coment MIII-BY PM 9.6 10.2 11.3	Standard	yzer, Sled for c surementances PM 153 162 178 183 18.0 30 Coment 15 14	Month Apr-21 May-21 Jun-21 Jun-21 Aug-21 Aug-21 Aug-21 Aug-21 Month Apr-21 Month Apr-21 Jun-21 Jun-21 Jun-21 Jun-21 Jun-21				
Self-21 17.8 15.4 10.3 14.0 12.4 10.5 12.4 Permiscalls 30 30 30 13.4 11.5 11.1	NH3: HCI: H20; SO2; CO: NO: NO: NO: NO: NO: NO: NO: NO: NO: N	Results (Apr Star Coal Mill 1 9.7 9.4 9.8 12.2 9.6 30 Star Cament Mill-III PM 16.8 15.8 13.5 14.1	Continuous Em Continuous Em Continuous Em Cooler ESM-1 SOS 17.8 17.9 18.2 1984 18.5 1984 18.5 1984 18.5 Plant Shurdown Comer Mill-IX 18 PM 9.6 10.2 11.3 10.8 13.7	SEE MAN MILE MILE MILE MILE MILE MILE MILE MILE	yzer, Sled for c sureme tances tances PM	Month Apr-21 May-21 Jun-21 Jun-21 Jun-21 Month Apr-21 Month Apr-21 Month Apr-21 Month Apr-21 Month Apr-21 Jun-21				
(v) The project with the W	NH3: HCI: H20; SO2; CO: NO: NO: NO: NO: NO: NO: NO: NO: NO: N	Results (Apr Star Coal Mill 1 PM 9.7 9.4 9.8 12.2 9.6 30 Star Cament Mill-III PM 16.8 15.8 13.5 14.1 15.8 10.3	Continuous Em Continuous Em Cooler Esp-1 Nox PM 303.5 17.8 207.9 18.2 398.4 19.4 398.4 19.4 398.4 19.4 398.4 19.4 398.4 19.4 398.4 19.4 398.4 19.4 398.4 19.4 398.4 19.4 398.4 19.4 398.4 19.4 398.4 19.3 300 30 Coment Mill-IX PM 9.6 10.2 11.3 10.8 13.7 13.4	State	PM 153 162 17.8 18.0 20 18.0 19.1 19.1 19.1 19.1 19.1 19.1 19.1 19	Month Apr-21 May-21 Jun-21				
design of stack without the permission of the required.	NH3: HCI: H20; SO2; CO: NO: NO2: N20: CO: NO: NO2: N20: CO2: O2 CO2: O2 CO2: O2 CO3: NO: NO2: N20: CO2: O2 CO2: O2 CO3: NO: NO2: N20: CO3: N20: N20: N20: N20: N20: N20: N20: N20	Results (Apr Stan Coal Mill 1 97 97 9.4 9.6 30 Star Coment Mill III PM 15.8 15.8 13.5 14.1 15.8 10.3	Continuous En Continuous En Continuous En Cooler Esp-1 (Sep-1 (Se	Stewniss	yzer, Sled for cosurement tances tances PM	Month Apr-21 May-21 Jun-21 Jun-21 Aug-21 Month Month Apr-21 Month Apr-21 Month Apr-21 Jun-21 Jun-21 Jun-21 Jun-21 Jun-21 Jun-21 Jun-21 Jun-21 Jun-21 Aug-21				
provide closed similar Deen provided	NH3: HCI: H20; SO2; CO: NO: NO: NO: NO: NO: NO: NO: NO: NO: N	Results (Apr Stan Coal Mill 1 PM PM 15.8 15.8 15.8 15.8 15.8 16.3 30 e any of the	Continuous Em Contin	CK MA ontinuent of State of the continuent of	PM 153 162 17.6 18.3 15.0 15.1 14.1 15.1 15.1 15.1 15.1 15.1 15.1	Month Apr-21 May-21 Jun-21 Aug-21 Sep-21 Permissible Index Month Apr-21 Mety-21 Jun-21 Aug-21 Aug-2	iv)			
provide closed circuit grinding unit in all the grinding section of the plant.	NH3: HCI: H20; SO2; CO: NO: NO: NO: NO: NO: NO: NO: NO: NO: N	Results (Apr Stan Coal Mill 1 PM 9.7 9.4 9.8 12.2 9.6 30 Stan Coanent Mill-JIII PM 16.8 13.5 14.1 15.8 10.3 30 e any of the III also e Communication of the III III III III III III III III III I	Continuous Em Continuous Em Continuous Em Cooler ESP-1 NOX. PM 303.5 17.8 379.6 18.2 399.4 19.4 395.4 18.5 18.6 19.3 800 Cement MIII-IX 4 FM 9.6 10.2 11.3 10.8 13.7 15.4 30 iff not changing permission oard. They will	CK MA entinuent of Statement	PM 153 162 17.6 18.3 15.0 15.1 14.1 15.1 15.1 15.1 15.1 15.1 15.1	Month Apr-21 May-21 Jun-21 Aug-21 Permissible Index I	v)			





Compliance Status of Environment Clearance issued to Gajambuja Plant vide MoEF&CC Letter no. J-11011/29/94-IA-II dated 16.01.95, J-11013/31/2000-IA-II (I) dated 24.10.2000

- Adequate number of air quality monitoring stations should be set up in the downwind direction as well as where maximum ground level concentration is anticipated in consultation with the State Board. Also stack emission should be monitored regularly. The data collected should be statistically analyzed, interpreted and submitted to the State Pollution Control Board and this Ministry once in Six Months.
- Five Ambient Air Quality Monitoring stations have been established based on guidelines issued by CPCB & reviewed by Prof. B. Padmanabhamurty, Former Prof. JNU, New Delhi and in consultation with GPCB.
 - Regular monitoring is being carried out and half yearly compliance status report is being regularly submitted and latest report submitted vide letter no. ACL/EMD/F-16/2021/2341/88953 dtd 17.05.2021
 - Stack emission monitoring report for the period of April'2021 to September'2021 is enclosed as under (a):
 - Ambient air quality monitoring report for the period of April'2021 to September'2021 is enclosed as under (b):

Stack Monitoring Results (April 2021 - September 2021)														
						Stack attac	stack attached to				N N			
Month	Raw mill			ESP-1	Coal Mill -1	1 8 Kiln-2			Cooler ESP-2	Coal Mill- 7				
month	PM	& Kiln-1	Nox	PM	PM	PM	502	Nox	PM			М		
Apr-21	15.3	6.5	663.5	17.8	9.7	12.5	4.7	745.8	28.1		8			
May-21	16.2	5.4	679.6	18.2	9.4	11.6	3.8	761.8	29.5		7			
Jun-21	17.6	4.8	696.4	19.4	9.8	10.6	3.4	543.4	28.4			2		
Jul-21	18.3	4.8	695.4	18.5	12.2	12.1	3.8	557.2		Plant	Shuldov			
Aug-21	10.0	1.0		Shutdown		10.6	3.6	542.4	28.9			9.1		
Sep-21	13.6	3.2	526.3	19.3	9.6	12.4	2.8	513.2	25.7					
Permissible	30	100	800	30	30	30	100	800	30		3	0		
Limit	30	100	000	400000000000000000000000000000000000000	Service and Control of the Control	Stack atta	ched to							
Month Cemer		nt Mill-I Coment Mill-II		ort Mill-II	Cement Mill-1			Packer-I		Packer-II		Packer-II		
Month		M MINIT	CCINE	PM	PM	P	M		M		PM 2.5	10.6		
Apr-21	15.6		9.6		16.8	14		10.1				9,9		
May-21		14.8		10.2	15.8		13.2		0.7	11.8		11.9		
Jun-21		2010		11.3	13.5		12.7		1.2	10.9		10.5		
Jul-21	1.	4.3		10.8	14.1		13.7		12.2			12.4		
Aug-21	11	9.4		13.7	15.8		2.8	11.2 13.4		10.9		11.1		
Sep-21	1	7.8		15.4	16.3	1000	14.0					30		
Permissible	3	30	30		30	and the same of th	10		30		30	30		
Stack Monitoring Results (April'2021 to September'2021)														
Month		DG set 4				Stack attach DG se				DG s				
		PN		502	NOx	PM*	502	NO	P	M*	502	NOx		
						mg/Nm ³		ppn	ma	Nm ³	ppm	ppm		
	mg/I	g/Nm ³ ppm		ppm	hig/issi	ppin Enti	g Entire Month		Not Running Entire Mon					
Apr-	21	1	Not Run	ning Entire	Month				-	Not Running Entire Month				
May-		1	ot Run	ning Entire	Month	Not Running Entire Mor			1	NOT HUP				
	1101 ==					Not Rui	re Month	th 23.4		25.6	6.3			
		lot Running Entire		4,6		Not Running Ent			7.6	18.6	5.2			
Jul-21 16.5				20.6		-		tire Month		Not Running Entire Month				
Aug-	21	1	Not Run	ning Entire	Month			intire Month		Not Running Entire M				
Sep-			Not Run	ning Entire	Month	Not Rui	nning Enti	ing Entire Month						
Permissib		-	100	50	150	100	50	1	50	100	50			

	Name and Parks	Ambient Air Quality Monitoring Results (April'2021 to September'2021) Average Ambient Air Quality Monitoring Results (µg/m3)														
Month		AtC	The second secon		N	ear Pack	ing secti	on	Ambuja School							
Montu	PM2.5	PM10	502	NOx	PM2.5	PM10	502	NOx	PM2.5	PM10	SO2	NOX				
Apr-21	31.20	50.70	11.50	15.50	31.00	49.70	11.20	15.60	29.00	49.10	10.90	15.34				
May-21	30.90	51.10	11.40	15.80	29.50	50.70	10.90	15.80	30.10	49.10	11.30	15.00				
Jun-21	31.90	50.80	11.60	15.70	29.00	49.30	11.70	16.10	30.00	48.50	11.50	15.2				
Jul-21	32.10	50.40	12.30	15.30	25.10	45.40	11.70	14.30	27.90	46.70	12.00	13.8				
Aug-21	32.00	50.30	11.60	15.40	25.40	47.30	11.80	14.80	25.60	47.60	12.70	14.6				
Sep-21	30.20	49.80	12 80	15.00	22.60	44.50	12.50	15.20	27.90	49.50	13.60	15.3				
Sep-21	MEANINE SAME	RIMER	Aver	age Ar	nbient A	ir Qualit	ality Monitoring Results (µg/m³)									
Month				Colony					South	Colony		Autoria de				
Pionen	PM2.5	PM	10	502	NOX		PM2.5	PM10		502	15.50					
Apr-21	23.20	43	.60	11.50	16	3.00	23.10	-	3.20	11.70		-				
May-21	23.40	-	.90	10.90	16	16.00		42.80		11.60	15.20					
Jun-21	23.50	-	.80	11.20	15	15.70			3.10	11.80	-	15.40				
Jul-21	22,60		.70	11.90	13	3.20	22.30		3.30	12.80	_	.30				
Aug-21	23.30	43	.00	12.30	14	14.70 14.90		-	3.60	12.10						
Sep-21	23.70	37	.60	13.00	14			44.30		13.30	10	.90				

(vi) Interlocking facility should be provided in the pollution control equipment such as Bag filters, ESP's etc. so that in the event of pollution control equipment not working, the main plant is shut down automatically.

Point noted and complied. The main plant does not start unless the pollution control equipments are not working.



Compliance Status of Environment Clearance issued to Gajambuja Plant vide MoEF&CC Letter no. J-11011/29/94-IA-II dated 16.01.95, J-11013/31/2000-IA-II (I) dated 24.10.2000

A separate environmental management cell with A well established Environmental Management Division suitably qualified personnel to carry out various (EMD) has qualified personnel's to carry out various functions should be set up under the control of functions. Head of Environment management cell senior executive who will report directly to head of directly report to the Head of the plant. the organization. EMD organization chart is enclosed as under: Organization Chart MCH Head Environment Sr. Officer - Environment 2(viii) The project authority must set up laboratory A well established Environment laboratory with facility for collection and analysis of samples sufficient instrument is available. List of laboratory under the supervision of competent technical instruments available has already been submitted to personnel who will directly report to the chief MoEF&CC vide our letter no. ACL/EMD/Fexecutive. 16/2010/55920 submission dated 25.12.2010. However, environment monitoring is being carried out by GPCB approved third party (M/s Royal Environment Auditing and Consultancy services, Rajkot) on regular basis. 2 (ix) funds earmarked for environmental Details of capital and recurring expenditure for protection measures should not be diverted for environmental protection measures are enclosed. other purpose and year-wise expenditure should be reported to this Ministry. Expenditure incurred in Environment Management Plan - Gaj ambuja Ambuja Coment Foundation - Ambujanagar Capital Invesstment for Environmental Monitoring Details for programme wise expenditure for the year April 2021 to Sept. 2021 **Particulars** Cost (In Lacs) Monitoring Equipments 37.08 Environment Laboratory 10.00 * Funds from Programme Others (Monitoring Van, DG Sets etc.) received through ***People's ACF-ACE other Donors / Donor Agencia 12.50 Fundingto Total Exp Continuous Emission Monitoring System 200.00 GUJARAT - Kodinar CAAQMS System 36.00 Water Resource Mangement & Dri Opacity Meter 28.00 a. Water Resource Devlopment 4.69 New Bag Filter in Cememnt Mill 114.00 4.6 B. Drinking Water Programme
 Agriculture Development(Erip Erigation, Farm Forestry 8 Total (in Lacs INR) 2.40 2.84 160,49 447.38 166.73 Recurring Expenditure for the period of April'2021 to Sep Afforecation) 7.03 5.65 54.63 53.20 121.50 Cost (In Lacs) 7.68 123.85 Green belt development & Dust suppression 28.24 195,80 4 Krishi Vigyan Kendra (KVK) - Agriculture 11.66 1.02 69.23 Manpower Cost * 70.25 18.14 Health & Sanitation 4.86 0.63 8.23 House Keeping 34.20 47.29 Education Programme 13.99 Women / Youth Developm Maintenance of Pollution Control Equipments 0.63 51.08 Other Env. Protection (Environmental Monitoring) 2.71 54.42 Skill and Enterprunership Development Programme 21.15 24.76 0.12 29.77 Environment Awareness * Integrated Comm unity Development Programme 91.56 121.73 Co-ordination & Administration Expenses Total (In Lacs INR) 126.76 11 Capital Expenditure * Expenditures are Common for All the Plants & Mines. 140.00 97.84 168.62 785.81 The Ministry or any other competent authority may stipulate Point noted & shall be complied as per condition any further condition after reviewing the comprehensive EIA stipulated by competent authority. report or any other report prepared by the project authorities. The Ministry may revoke or suspend clearance, if Point noted. Implementation of the stipulated conditions is not satisfactory. The above conditions will be enforced, inter alia, under the 5 Point noted. We have valid combined consent provisions of the Water (Prevention & Control of Pollution) Act and authorization (CCA) under the provisions of 1974, the Air (Prevention & Control of Pollution) Act 1981, the the Water (Prevention & Control of Pollution) Act Environment (Protection) Act 1986, and the public Liability 1974, the Air (Prevention & Control of Pollution) Insurance Act 1991 along with their amendments and rules. Act 1981, the Environment (Protection) Act 1986, and under the public Liability Insurance Act 1991, having valid public Liability Insurance.





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Compliance Status of Environment Clearance issued to Gajambuja Plant vide MoEF&CC Letter no. J-11011/29/94-IA-II dated 16.01.95, J-11013/31/2000-IA-II (I) dated 24.10.2000





