

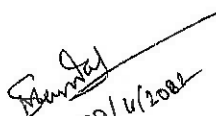
ACL/FKK/ENV/EC-CC2/2022 (7)
29th Nov, 2022

To
The Environment Engineer and In-charge
West Bengal Pollution Control Board
Malda Regional Office
Mokdumpur, Malda

Sub: Submission of Six-Monthly Compliance Report.

Dear Sir,
Kindly find the six-monthly compliance status report for the period April'22 to Sept'22 as per EC condition along with supporting documents.

Thanking You,
Yours faithfully
For Ambuja Cements Ltd
(Unit: Farakka)


29/11/2022
(Authorized Signatory)

Encl:
EC Copy
Annexure I, II, III, IV & V

CC: 1) APCCF (central), Eastern Regional Office, Bhubaneswar, Odisha.
2) MS, DoE, Govt. of West Bengal, Pranisampad Bhawan, Kolkata

Ambuja Cements Limited
Adani Corporate House
Shantigram, S. G. Highway, Ahmedabad - 382421
Gujarat, India
Ph +91 79-2555 5555
www.ambujacement.com

CIN: L26942GJ1981PLC004717

ACC Limited
Cement House
121, Maharshi Karve Road, Mumbai - 400 020
Maharashtra, India
Ph +91 22-4159 3321
www.acclimited.com

CIN: L26940MH1936PLC002515

**FORM 4**

[See Rules 9(3) and 10(5)]

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

024968**PERMIT FOR SINKING OF NEW WELL**[U/S 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources
(Management, Control and Regulation) Act 2005.]PERMIT NO. **P1210026007130000001TS E**

1. (a) Name of the applicant (user)
- (b) Son / Daughter of
- (c) Address of the applicant
- (d) Category of farmer (Please tick)
(in case of irrigation well)
- (e) Serial No. of application Form
and date of submission
- (f) Specimen signature of the user

: Shri/Smt. **Ambuja Cement Ltd.**
 : Mouza- **Saimantapur**
 : P. S - **Farakka, Murshidabad**
 : Small Farmer / Marginal Farmer / Others

: **BR/A 0384/89** **16-05-2012**
 : **Murshidabad**

2. Location particulars---

- (a) District
- (b) Block, Mouza, J. L. No., Plot No.
- (c) Municipality / Corporation
Ward No. / Borough No., Holding No.

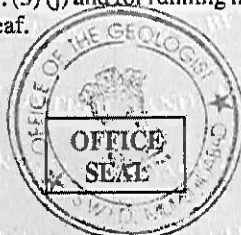
: **Murshidabad**
 : **Farakka, Kendua, 26, 713**
 : **Ward 30**

3. Particulars of the proposed well and pumping device---

- (a) Type of the well
- (b) Approx. depth of the well (m)
- (c) Purpose of the well
- (d) Assembly size (for tube well)
- (e) Approx. strainer length (for tube well)
- (f) Diameter (for dug well)
- (g) Type of pump to be used
- (h) H. P. of the pump
- (i) Operational device
- (j) Rate of withdrawal (m³ / hr.)
- (k) Maximum allowable running hours per day

: **Tubewell.**
 : **50m.**
 : **Industrial**
 : **50mm. X 5 mm.**
 : **5 m. 50 mm**
 : **N. A m.**
 : **Submersible**
 : **2HP**
 : **Electric Motor**
 : **10 m³**
 : **10 hrs.**

This permit authorizes the owner applicant (user) to sink a well in the location specified at S1. (2) for extraction of ground water at a rate not exceeding that as shown at S1. (3) (j) and for running hours / day as shown at S1. (3) (K), and is valid subject to the observance of the conditions stated overleaf.

Place: **Berhampore**Date: **04-02-2015**

GEOLOGIST
 Signature of the Issuing Authority
SW and Designation

Conditions:

- (1) In case of any change of ownership of the proposed well, fresh registration has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at S1. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
- (3) In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- (4) Any other condition imposed by the concerned Authority.

Member Secretary
District Level Ground Water
Resources Development Authority
Murshidabad





FORM 4

[See Rules 9(3) and 10(5)]


(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

024969

PERMIT FOR SINKING OF NEW WELL

[U/S 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources (Management, Control and Regulation) Act 2005.]

PERMIT NO. P1210026007130000001TSE

1. (a) Name of the applicant (user) : Shri/Smt. Ambuja Cement Ltd.
(b) Son / Daughter of : Mouza - Sopimanta pur, P.S - Farakka
(c) Address of the applicant : Dist- Murshidabad.
(d) Category of farmer (Please tick) : Small Farmer / Marginal Farmer / Others
(in case of irrigation well)
(e) Serial No. of application Form : BP/A 0384/87, 16-05-2012
and date of submission
(f) Specimen signature of the user : 
2. Location particulars---
(a) District : Murshidabad
(b) Block, Mouza, J. L. No., Plot No. : Farakka, Kendua, 26, 713
(c) Municipality / Corporation : Ward No - 30
Ward No. / Borough No., Holding No.
3. Particulars of the proposed well and pumping device---
(a) Type of the well : Tube well
(b) Approx. depth of the well (m) : 50 m.
(c) Purpose of the well : Industrial
(d) Assembly size (for tube well) : 50 mm. X 50 mm.
(e) Approx. strainer length (for tube well) : 5 m. 50 mm
(f) Diameter (for dug well) : NA m.
(g) Type of pump to be used : Submersible
(h) H. P. of the pump : 2HP
(i) Operational device : Electric Motor
(j) Rate of withdrawal (m³/hr.) : 15 m³
(k) Maximum allowable running hours per day : 10 hr.

This permit authorizes the owner applicant (user) to sink a well in the location specified at S1. (2) for extraction of ground water at a rate not exceeding that as shown at S1. (3) (j) and for running hours / day as shown at S1. (3) (K), and is valid subject to the observance of the conditions stated overleaf.

Place : Berhampore

Date : 04-02-2015




GEOLOGIST
Signature of the Issuing Authority
and Designation
SWID, Berhampore

Conditions :

- (1) In case of any change of ownership of the proposed well, fresh registration has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at S1. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
- (3) In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- (4) Any other condition imposed by the concerned Authority.





FORM 4

[See Rules 9(3) and 10(5)]

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

PERMIT FOR SINKING OF NEW WELL

[U/S 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources (Management, Control and Regulation) Act 2005.]

024970

PERMIT NO P1210.026.00713.00000.01TSE

1. (a) Name of the applicant (user)
- (b) Son / Daughter of
- (c) Address of the applicant
- (d) Category of farmer (Please tick)
(in case of irrigation well)
- (e) Serial No. of application Form
and date of submission
- (f) Specimen signature of the user

: Shri/Smt. Ambuja Cement Ltd.
Mouza - Soimantapur
P.S - Farakka, Dist - Murshidabad
 : Small Farmer / Marginal Farmer / Others
BRA 0384/88, 16-05-2012

2. Location particulars---

- (a) District
- (b) Block, Mouza, J. L. No., Plot No.
- (c) Municipality / Corporation
Ward No. / BorOUGH No., Holding No.

: Murshidabad
Farakka, Kendua, 26, 713.
Ward No - 30

3. Particulars of the proposed well and pumping device---

- (a) Type of the well
- (b) Approx. depth of the well (m)
- (c) Purpose of the well
- (d) Assembly size (for tube well)
- (e) Approx. strainer length (for tube well)
- (f) Diameter (for dug well)
- (g) Type of pump to be used
- (h) H. P. of the pump
- (i) Operational device
- (j) Rate of withdrawal (m³ / hr.)
- (k) Maximum allowable running hours per day

: Tube well
50 m.
Industrial
50 m mm. X 60 mm.
5 m. 30 mm
N-A m.
Submersible
2HP
Electric Motor
15 m³
10 hr.

This permit authorizes the owner applicant (user) to sink a well in the location specified at S1. (2) for extraction of ground water at a rate not exceeding that as shown at S1. (3) (j) and for running hours / day as shown at S1. (3) (K), and is valid subject to the observance of the conditions stated overleaf.

Place : Benhampore

Date : 04-02-2015

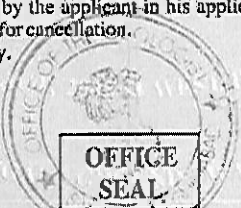
Conditions :

- (1) In case of any change of ownership of the proposed well, fresh registration has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at S1. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
- (3) In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- (4) Any other condition imposed by the concerned Authority.



GEOLOGIST
Signature of the Issuing Authority
S. Ward, Designation

Member Secretary
District Level Ground Water



ANNEXURE - II



Programmatic Achievement

Ambuja Cement Foundation, Farakka

(April to Sept-2022)



Agro-based Livelihood programme

**Ambuja
Cement
FOUNDATION**

- Promoted Maize & Jute cultivation in pre kharif session with 700 farmers in irrigation covered area.
- Promoted SRI(System of Rice Intensification) paddy & Scented paddy with 283 farmer
- Promoted Black gram under crop diversification programme in Kharif session with 296 farmers
- Promoted vegetable cultivation with 184 farmer, scaffolding with creepers with 17 farmers
- Promoted Strawberry with 57 farmers(43000 plants) & watermelon with 34 farmer and dragon fruit with 5 farmers.
- Supported with fish feed & critical inputs in 25 ponds under aquaculture programme
- Supported for installation of one bio-flock unit under aquaculture programme.
- Organized 6 number of Soil health camps with 531 farmers and to promoted enhance the organic matter in soil.
- Promoted wheat in 157 ha. With 550 farmers and mustard in 92 ha. with 300 farmers



Water Resource Management

- Constructed 2 numbers of River Lift Irrigation System which cover 78.5 ha. area under irrigation
- 2 number of group based sprinkler irrigation system installed which cover 18 ha. area under micro-irrigation
- One sluice gate constructed which can harvest 25000 cub.mtr. Rain water
- 130 mtr. River bank pitching has been completed which save 100 acre agricultural land from river bank erosion
- Promoted 5 number of water users group for operation and maintenance of irrigation structures



Health Programme

- Started Malnutrition programme with 13 number of ICDS center of our project village
- Organized 36 number of specialized health camp in different village and provide health care services to 1707 beneficiaries
- 3794 women and adolescents are covered under Menstrual Hygiene Management programme(MHM)
- Institutional delivery has been increased up to 96% within our project village
- 11789 Truckers are covered under Health care programme for truckers
- 800 children's are covered under routine immunization programme
- 2610 adolescents are covered under APEKSHA programme through various life-skill awareness.



Women Empowerment

Indicators	
SHGs Functioning	93
SHG Members	1212
Total Corpus	5079027
Inter lending (outstanding)	2503659
Bank Loan	863820
SHG with Inter lending	88
No of SHG doing IGA	88
No. SHG completed Grading Process & Engaged With Federation	86



Goat Based Livelihood Programme

**Ambuja
Cement
FOUNDATION**

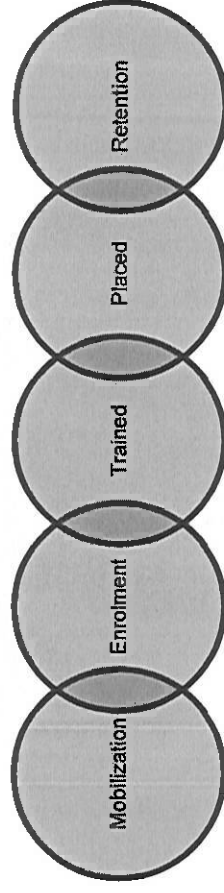
Total HHs	920
No of villages covered	11
Total GBLG	59
Total Goats	6253
Total Training & Beneficiaries	62/920
Pasu Sakhi	13
CLF	02
Total Treatment	3996 (CLF- 1990, PS-2006)
Vaccination	100%
Deworming	100%
Castration by PS	84
Macha (Bamboo Platform)	856 HHs
Menger	632 HHs



Skill & Entrepreneurship Development Institute

- 472 Youths mobilized from the project village for enrollment in different domain
- Successfully trained 205 trainees in different domain
- 135 trainees are successfully placed in different MNC like:- Haier appliances Ltd., Satyam Auto , Hero motor Corp. TVS motor, Vivid clothing Pvt.ltd., Reliance Smart point etc.

Training Process



Thank You



CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited
certifies that

Ambuja Cements Limited. Unit: Farakka
Vill-Kendua, PO-Srimantapur,
Farakka - 742 212, West Bengal, INDIA

has implemented an Environmental Management System
in accordance with ISO 14001:2015

For Scope of

Manufacture and Supply of Portland Pozzolana Cement

The certificate is valid From **2021-05-13** until **2024-05-12**

Subject to successful completion of annual periodic audits

The present status of this Certificate can be obtained on www.tuvsud.com/en-in

Further clarifications regarding the scope of this certificate may be obtained by consulting the certification body

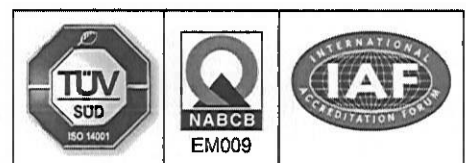
Certificate Registration No. **99 104 01201**

Date of Initial certification : **2009-05-13**

Issue Date: **2021-04-30**



Rahul Kale
Head of Certification Body
of TÜV SÜD South Asia Private Limited, Mumbai
Member of TÜV SÜD Group





INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL: indicativeconsultantindia@gmail.com/indicativeconsultantindia.kol@gmail.com

9001:2015

18001:2007

ISO/IEC 17025:2017
Certificate No.: TC-6159

TEST REPORT

Date: 21.07.2021	: Report No: ICI/HL/A/TC-689/2021	Format No: ICI/FM/H/58
Customer Name	: M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2021/A-689
Address	: Vill. - Kendua, P.O. - Srimantapur, P.S. - Farakka, Dist. - Murshidabad, PIN - 742 212	Sampling Date : 13.07.2021
Customer Representative Name & Contact Number	: Mr. Nawnit Sharma Mob. No. +91-8016077540	Sampling Time : 11:20 AM
Work Order No.	: 2800842605/NE18 Dtd. 04.05.2021	Analysis Start Date : 19.07.2021
Sample Description	: STACK AIR	Analysis complete Date : 20.07.2021
Location	: D.G. SET (1250 KVA)	
Sample Condition	: In Glass Microfiber Thimble & Plastic Bottle	
Sampling Method	: CPCB, Emission Regulation (Part III)	
Test Method	: CPCB, Emission Regulation (Part III), IS 11255 (Part -1): 1985 (RA 2019), IS 11255 (Part -2): 1985 (RA 2019), IS 11255 (Part -3): 2008 (RA 2018), ORSAT Method, EPA Method No.7	

A.] GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	: Circular
Stack attached to	: D.G. SET - 1250 KVA	Material of Construction	: M.S
Emission due to	: Burning of H.S.D.	Stack ID at sampling point (M)	: 0.28
Fuel Used	: -	At Bottom (M)	: -
Rated Fuel Consumption	: -	At Top (M)	: -
Working Fuel Consumption	: 140 - 150 Lit/Hr.	Height Details :	
Calorific Value(Kcal/kg)	: -	a) Total Ht. Of stack from GL(M)	: 10.0
Sulphur Content (% by Wt)	: -	b) Total Ht. Of stack from RL(M)	: -
Ash Content (% by Wt.)	: -	c) Ht. of sampling port from GL(M)	: -
Pollution Control Device	: Nil	d) Ht. of port from disturbance zone (M)	: -
Whether Stack is provided with permanent Platform / Ladder	: Temporary		

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 212	Steam Generation Capacity :	
Barometric Pressure, (mm Hg)	: 750	a) Rated	: -
Velocity of Gas flow (m/s)	: 16.87	b) Running	: -
Quantity of Gas flow (Nm³/hr)	: 2240.89	Load : a) Rated	: 1250 KVA
Pressure	: -	b) Running	: -

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained
01.	Particulate Matter (mg/Nm³)	98.0
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-
03.	Sulphur di-oxide (mg/ Nm³)	166.04
04.	NOx (mg/m³)	150.17
05.	CO % (V/V)	<0.2
06.	CO₂ % (V/V)	7.4

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Choudhary
(Quality Manager)

Signature Authority

Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil

Estimated Uncertainty: Not Required

- Note :
1. Sample is drawn by M/s. Indicative Consultant India
 2. Sample submitted and identified by customer as: N.A.
 3. Test results shown in this test report relate only to the sample(s) only
 4. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 5. The reproduction of the report except in full is invalid without written approval of the laboratory
 6. Retention period of tested samples (Thimbles) is 180 days from the date of issue unless otherwise specified.
 7. All general information's of stack are provided by the party.

Page 1 of 1

-----End of Report-----



INDICATIVE CONSULTANT INDIA



GOVT. REGISTERED TEST HOUSE)



EMAIL: indicativeconsultantindia@gmail.com/indicativeconsultantindia.kol@gmail.com

9001:2015

18001:2007

ISO/IEC 17025:2017
Certificate No.: TC-6159

TEST REPORT

Date: 21.07.2021	:	Report No: ICI/HL/A/TC-690/2021	Format No: ICI/FM/H/58
Customer Name	:	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2021/A-690
Address	:	Vill. - Kendua, P.O. - Srimantapur, P.S. - Farakka, Dist. - Murshidabad, PIN - 742 212	Sampling Date : 13.07.2021
Customer Representative Name & Contact Number	:	Mr. Nawnit Sharma Mob. No. +91-8016077540	Sampling Time : 03:30 PM Analysis Start Date : 19.07.2021
Work Order No.	:	2800842605/NE18 Dtd. 04.05.2021	Analysis complete Date : 20.07.2021
Sample Description	:	STACK AIR	
Location	:	PACKER (MAIN) BAG FILTER	
Sample Condition	:	In Glass Microfiber Thimble	
Sampling Method	:	CPCB, Emission Regulation (Part III)	
Test Method	:	CPCB, Emission Regulation (Part III), IS 11255 (Part -1): 1985 (RA 2019), IS 11255 (Part -3): 2008 (RA 2018), ORSAT Method	

A.] GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant	:	Shape of Stack	:	Circular
Stack attached to	:	Material of Construction	:	M.S
Emission due to	:	Stack ID at sampling point (M)	:	1.0
Fuel Used	:	At Bottom (M)	:	-
Rated Fuel Consumption	:	At Top (M)	:	-
Working Fuel Consumption	:	Height Details :		
Calorific Value(Kcal/kg)	:	a) Total Ht. Of stack from GL(M)	:	34.50
Sulphur Content (% by Wt)	:	b) Total Ht. Of stack from RL(M)	:	-
Ash Content (% by Wt.)	:	c) Ht. of sampling port from GL(M)	:	31.8
Pollution Control Device	:	d) Ht. of port from disturbance zone (M)	:	-
Whether Stack is provided with permanent Platform / Ladder	:			

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	:	42	Steam Generation Capacity :	
Barometric Pressure(mm Hg)	:	750	a) Rated	:
Velocity of Gas flow (m/s)	:	9.27	b) Running	:
Quantity of Gas flow (Nm³/hr)	:	24485.45	Load : a) Rated	:
Pressure	:	-	b) Running	:

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained
01.	Particulate Matter (mg/Nm³)	14.0
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-
03.	Sulphur di-oxide (mg/ Nm³)	-
04.	NOx (mg/m³)	-
05.	CO % (V/V)	<0.2
06.	CO₂ % (V/V)	<0.2

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil

Estimated Uncertainty: Not Required

- Note :
1. Sample is drawn by M/s. Indicative Consultant India
 2. Sample submitted and identified by customer as: N.A.
 3. Test results shown in this test report relate only to the sample (s) only
 4. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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 6. Retention period of tested samples (Thimbles) is 180 days from the date of issue unless otherwise specified.
 7. All general information's of stack are provided by the party.

End of Report

Page 1 of 1



INDICATIVE CONSULTANT INDIA



GOVT. REGISTERED TEST HOUSE)



EMAIL: indicativeconsultantindia@gmail.com/indicativeconsultantindia.kol@gmail.com

9001:2015

18001:2007

ISO/IEC 17025:2017
Certificate No.: TC-6159

TEST REPORT

Date: 21.07.2021	: Report No: ICI/HL/TC-691/2021	Format No: ICI/FM/H/58
Customer Name	: M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2021/A-691
Address	: Vill. - Kendua, P.O. - Srimantapur, P.S. - Farakka, Dist. - Murshidabad, PIN - 742 212	Sampling Date : 14.07.2021
Customer Representative Name & Contact Number	: Mr. Nawnit Sharma Mob. No. +91 8016077540	Sampling Time : 10:05 AM
Work Order No.	: 2800842605/NE18 Dtd. 04.05.2021	Analysis Start Date : 19.07.2021
Sample Description	: STACK AIR	Analysis complete Date : 20.07.2021
Location	: CEMENT BALL MILL	
Sample Condition	: In Glass Microfiber Thimble	
Sampling Method	: CPCB, Emission Regulation (Part III)	
Test Method	: CPCB, Emission Regulation (Part III), IS 11255 (Part -1): 1985 (RA 2019), IS 11255 (Part -3): 2008 (RA 2018), ORSAT Method	

A.] GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	: Circular
Stack attached to	: CEMENT BALL MILL	Material of Construction	: M.S
Emission due to	: Cement Grinding Process Activity	Stack ID at sampling point (M)	: 1.40
Fuel Used	: -	At Bottom (M)	: -
Rated Fuel Consumption	: -	At Top (M)	: -
Working Fuel Consumption	: -		
Calorific Value(Kcal/kg)	: -		
Sulphur Content (% by Wt)	: -	Height Details :	
Ash Content (% by Wt)	: -	a) Total Ht. Of stack from GL(M)	: 47.7
Pollution Control Device	: Bag Filter	b) Total Ht. Of stack from RL(M)	: -
Whether Stack is provided with permanent Platform / Ladder : Yes		c) Ht. of sampling port from GL(M)	: 27.8
		d) Ht. of port from disturbance zone (M)	: -

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 93	Steam Generation Capacity :	
Barometric Pressure, (mm Hg)	: 750	a) Rated	: -
Velocity of Gas flow (m/s)	: 8.43	b) Running	: -
Quantity of Gas flow (Nm³/hr)	: 37562.06	Load : a) Rated	: 125 TPH
Pressure	: -	b) Running	: 175 TPH

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained
01.	Particulate Matter (mg/Nm³)	: 1.9
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	: -
03.	Sulphur di-oxide (mg/ Nm³)	: -
04.	NOx (mg/m³)	: -
05.	CO % (V/V)	: <0.2
06.	CO₂ % (V/V)	: <0.2

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbat Gollu

(Quality Manager)
Signatory Authority
Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil

Estimated Uncertainty: Not Required

Note :

1. Sample is drawn by M/s. Indicative Consultant India
2. Sample submitted and identified by customer as: N.A.
3. Test results shown in this test report relate only to the sample (s) only
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-----End of Report-----

Page 1 of 1



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL: indicativeconsultantindia@gmail.com/indicativeconsultantindia.kol@gmail.com

9001:2015

18001:2007

ISO/IEC 17025:2017
Certificate No.: TC-6159

TEST REPORT

Date: 21.07.2021	: Report No: ICI/HL/A/TC-688/2021	Format No: ICI/FM/H/58
Customer Name	: M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2021/A-688
Address	: Vill. - Kendua, P.O. - Srimantapur, P.S. - Farakka, Dist. - Murshidabad, PIN - 742 212	Sampling Date : 13.07.2021
Customer Representative Name & Contact Number	: Mr. Nawnit Sharma Mob. No. +91 8016077540	Sampling Time : 10:15 AM Analysis Start Date : 19.07.2021
Work Order No.	: 2800842605/NE 18 Dtd. 04.05.2021	Analysis complete Date : 20.07.2021
Sample Description	: STACK AIR	
Location	: WAGON TIPPLER	
Sample Condition	: In Glass Microfiber Thimble	
Sampling Method	: CPCB, Emission Regulation (Part III)	
Test Method	: CPCB, Emission Regulation (Part III), IS 11255 (Part -1): 1985 (RA 2019), IS 11255 (Part -3): 2008 (RA 2018), ORSAT Method	

A.] GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	: Circular
Stack attached to	: WAGON TIPPLER	Material of Construction	: M.S
Emission due to	: Process Activity (Tripping of Clinker)	Stack ID at sampling point (M)	: 2.10
Fuel Used	: -	At Bottom (M)	: -
Rated Fuel Consumption	: -	At Top (M)	: -
Working Fuel Consumption	: -	Height Details :	
Calorific Value (Kcal/kg)	: -	a) Total Ht. Of stack from GL(M)	: 19.1
Sulphur Content (% by Wt.)	: -	b) Total Ht. Of stack from RL(M)	: -
Ash Content (% by Wt.)	: -	c) Ht. of sampling port from GL(M)	: 12.63
Pollution Control Device	: Bag Filter	d) Ht. of port from disturbance zone (M)	: -
Whether Stack is provided with permanent Platform / Ladder	: Yes		

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 37	Steam Generation Capacity :	
Barometric Pressure (mm Hg)	: 750	a) Rated	: -
Velocity of Gas flow (m/s)	: 7.76	b) Running	: -
Quantity of Gas flow (Nm³/hr)	: 91852.56	Load : a) Rated	: -
Pressure	: -	b) Running	: -

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained
01.	Particulate Matter (mg/Nm³)	: 13.0
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	: -
03.	Sulphur di-oxide (mg/ Nm³)	: -
04.	NOx (mg/m³)	: -
05.	CO % (V/V)	: <0.2
06.	CO₂ % (V/V)	: <0.2

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Gohar

(Quality Manager)
Signatory Authority

INDICATIVE CONSULTANT INDIA

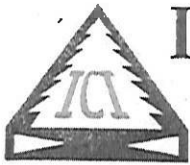
Test Witnessed By: Nil

Estimated Uncertainty: Not Required

- Note:
1. Sample is drawn by M/s. Indicative Consultant India
 2. Sample submitted and identified by customer as: N.A.
 3. Test results shown in this test report relate only to the sample (s) only
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 6. Retention period of tested samples (Thimbles) is 180 days from the date of issue unless otherwise specified.
 7. All general information's of stack are provided by the party.

-----End of Report-----

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TEST REPORT

Date: 21.07.2021	: Report No: ICI/HL/A/RN-479/2021	Format No: ICI/FM/H/61
Customer Name	: M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2021/AC-479
Address	: Vill. - Kendua, P.O. - Srimantapur, P.S. - Farakka, Dist. - Murshidabad, PIN - 742 212	Sampling Date : 14.07.2021 to 15.07.2021
Customer Representative Name & Contact Number	: Mr. Nawrit Sharma Mob. No. +91-8016077540	Analysis Start Date : 19.07.2021
Work Order No.	: 2800842605/NE18 Dtd. 04.05.2021	Analysis complete Date : 20.07.2021
Sample Description	: AMBIENT AIR	
Location	: PLANT MAIN GATE	
Sample Condition	: In Glass Microfibre Filter Paper & Plastic Bottle	
Sampling Method	: CPCB, Emission Regulation (Part III)	
Test Method	: CPCB, Emission Regulation (Part III), IS: 5182 (Part - 23) 2006 (RA 2017), USEPA CFR 40 (Part - 50): Appendix L, IS: 5182 (Part - 2), 2001 (RA 2017), IS: 5182 (Part - 6): 2006 (RA 2017), Non-Dispersive Infrared Spectrometry Method	
Ambient Temperature in °C (Average)	: 29.0	

Time of Sampling	Concentration ($\mu\text{g} / \text{m}^3$)				Concentration (mg / m^3)
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO
09:40 AM to 05:40 PM	79.06	47.44	21.47	38.03	0.2468
05:50 PM to 01:50 AM	65.17	39.95	17.57	33.71	0.3841
02:00 AM to 10:00 AM	59.08	32.45	11.71	31.12	0.5522

Limit: ($\mu\text{g} / \text{m}^3$) Ambient Air Quality standard (National)

PM₁₀ = 100 $\mu\text{g}/\text{m}^3$, PM_{2.5} = 60 $\mu\text{g}/\text{m}^3$, SO₂ = 80 $\mu\text{g}/\text{m}^3$, NO₂ = 80 $\mu\text{g}/\text{m}^3$, 24 hours basis, Carbon mono oxide = 2 mg/m^3 , 8 hours basis (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November '2009

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui
(Quality Manager)
Signatory Authority
Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil

Estimated Uncertainty: Not Required

- Note:
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-----End of Report-----

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TEST REPORT

Date: 21.07.2021	: Report No: ICI/HL/A/RN-480/2021	Format No: ICI/FM/H/61
Customer Name	: M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2021/AC-480
Address	: Vill. - Kendua, P.O. - Srimantapur, P.S. - Farakka, Dist. - Murshidabad, PIN - 742 212	Sampling Date : 15.07.2021 to 16.07.2021
Customer Representative Name & Contact Number	: Mr. Nawnit Sharma Mob. No. +91-8016077540	Analysis Start Date : 19.07.2021
Work Order No.	: 2800842605/NE18 Dtd. 04.05.2021	Analysis complete Date : 20.07.2021
Sample Description	: AMBIENT AIR	
Location	: NEAR COLONY AREA	
Sample Condition	: In Glass Microfibre Filter Paper & Plastic Bottle	
Sampling Method	: CPCB, Emission Regulation (Part III)	
Test Method	: CPCB, Emission Regulation (Part III), IS: 5182 (Part - 23) 2006 (RA 2017), USEPA CFR 40 (Part - 50): Appendix L, IS: 5182 (Part - 2), 2001 (RA 2017), IS: 5182 (Part - 6): 2006 (RA 2017), Non-Dispersive Infrared Spectrometry Method	
Ambient Temperature in °C (Average)	: 30.0	

Time of Sampling	Concentration ($\mu\text{g} / \text{m}^3$)				Concentration (mg / m^3)
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO
10:10 AM to 06:10 PM	65.05	28.67	19.52	35.44	0.2477
06:20 PM to 02:20 AM	48.17	18.72	10.73	27.66	0.3625
02:30 AM to 10:30 AM	52.17	22.47	14.64	28.53	0.4875

Limit: ($\mu\text{g} / \text{m}^3$) Ambient Air Quality standard (National)

PM₁₀ = 100 $\mu\text{g}/\text{m}^3$, PM_{2.5} = 60 $\mu\text{g}/\text{m}^3$, SO₂ = 80 $\mu\text{g}/\text{m}^3$, NO₂ = 80 $\mu\text{g}/\text{m}^3$, 24 hours basis, Carbon mono oxide = 2 mg/m^3 , 8 hours basis (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil

Estimated Uncertainty: Not Required

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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TEST REPORT

Date: 21.07.2021	: Report No: ICI/HL/A/RN-478/2021	Format No: ICI/FM/H/61
Customer Name	: M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2021/AC-478
Address	: Vill. - Kendua, P.O. - Srimantapur, P.S. - Farakka, Dist. - Murshidabad, PIN - 742 212	Sampling Date : 13.07.2021 to 14.07.2021
Customer Representative Name & Contact Number	: Mr. Nawnit Sharma Mob. No. +91-8016077540	Analysis Start Date : 19.07.2021
Work Order No.	: 2800842605/NE18 Dtd. 04.05.2021	Analysis complete Date : 20.07.2021
Sample Description	: AMBIENT AIR	
Location	: WEIGH BRIDGE AREA	
Sample Condition	: In Glass Microfibre Filter Paper & Plastic Bottle	
Sampling Method	: CPCB, Emission Regulation (Part III)	
Test Method	: CPCB, Emission Regulation (Part III), IS: 5182 (Part - 23) 2006 (RA 2017), USEPA CFR 40 (Part - 50): Appendix L, IS: 5182 (Part - 2), 2001 (RA 2017), IS: 5182 (Part - 6): 2006 (RA 2017), Non-Dispersive Infrared Spectrometry Method	
Ambient Temperature in °C (Average)	: 30.0	

Time of Sampling	Concentration ($\mu\text{g} / \text{m}^3$)				Concentration (mg / m^3)
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	CO
09:10 AM to 05:10 PM	75.71	41.19	20.49	36.30	0.2598
05:20 PM to 01:20 AM	61.25	34.95	16.59	32.85	0.3987
01:30 AM to 09:30 AM	54.18	28.71	11.71	30.25	0.5478

Limit: ($\mu\text{g} / \text{m}^3$) Ambient Air Quality standard (National)

PM₁₀ = 100 $\mu\text{g}/\text{m}^3$, PM_{2.5} = 60 $\mu\text{g}/\text{m}^3$, SO₂ = 80 $\mu\text{g}/\text{m}^3$, NO₂ = 80 $\mu\text{g}/\text{m}^3$, 24 hours basis, Carbon mono oxide = 2 mg/m^3 , 8 hours basis (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November '2009

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil
Estimated Uncertainty: Not Required

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গণবিজ্ঞপ্তি

অম্বুজা সিমেন্টস লিমিটেড নামক কোম্পানি তাহাদের ফারাক্কা সিমেন্ট কারখানাটি, বাহা কিনা গ্রাম : কেন্দুরী, পোঃ শ্রীনতপুর, থানা : ফারাক্কা, জেলা : মুর্শিদাবাদ, পিন : ৭৪২২১২, পশ্চিমবঙ্গ রাজ্যে অবস্থিত, তাহাদের বর্তমান উৎপাদন ক্ষমতা বৃদ্ধিকরণ হেতু এই নিম্নোক্ত গণবিজ্ঞপ্তিটি জারি করিতেছে।

উপরোক্ত বিজ্ঞপ্তি অনুসারে পশ্চিমবঙ্গ সরকারের পরিবেশগত অনুমোদন জারির অধিকারী সংস্থা, SEIAA, অর্থাৎ STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY দ্বারা উক্ত প্রথম সারির সিমেন্ট প্রস্তুতকারক সংস্থা অম্বুজা সিমেন্টস লিমিটেডের ফারাক্কা অবস্থিত কারখানাটিকে তাহাদের বর্তমান উৎপাদন ক্ষমতা ০.৯৬ MTPA হইতে বর্ধিত করিয়া ১.২৫ MTPA উৎপাদন ক্ষমতা ধার্য করিয়াছে।

উক্ত বৃদ্ধিকরণ হেতু পরিবেশগত ছাড়পত্র সমস্তরকম প্রামাণ্য দলিল/দস্তাবেজ তথা তৎসম্পর্কিত সর্বপ্রকার কাগজপত্র, যাহা কিনা, উক্ত কোম্পানি দ্বারা SEIAA-এর নিকট পেশকৃত তথা সর্বপ্রকার প্রকল্পের স্পষ্টিকরণের পর দেওয়া হইয়াছে। এই উপরোক্ত ছাড়পত্রের প্রত্যয়িত চিঠি তথা আনুষঙ্গিক কাগজপত্র সম্বলিত দলিল WBPCB, অর্থাৎ WEST BENGAL POLLUTION CONTROL BOARD-এর নিকট গচ্ছিত আছে।

এছাড়া সরকারের নিজস্ব ওয়েবসাইট (<http://enviswb.gov.in>) এও পাওয়া যাইবে।

Adv.

P. R. C. Notice
Environmental Clearance to
M/s Ambuja Cement Ltd.
Haji Farakka, 91 Viji-Kenduri,
P.O. Srinagar, P.S.
Farakka, Dist. Murshidabad,
Pin-742212, West Bengal for
the proposed capacity
enhancement of the existing
Cement Grinding Unit.

Ambuja Cement Limited,
a leading manufacturer of
Cement has been accorded the
Environmental Clearance
under EIA Notification 2006
for capacity enhancement of
the existing cement grinding
unit at Farakka from 0.96
MTPA to 1.25 MTPA from
State Level Environment
Impact Assessment Authority
(SEIAA), Department of
Environment, Govt. of West
Bengal after the due considera-
tion of the relevant docu-
ments submitted by Ambuja
Cement Ltd. and additional
clarification furnished in
response to its observations.

The copies of the clearance
letter are available with the
WBPCB and may also be seen
at the website of the Ministry
at <http://enviswb.gov.in>

(XXXXX)

XXXXX

Department of Environment
Government of West Bengal
Block G, 2nd Floor, Writers Building
Kolkata : 700001

No. EN/ 27 /T-II-1/074/2009

Date : 04 / 01 / 2010

To
M/s. Ambuja Cements Ltd.
"Surabhi", 4th & 5th Floors
8/1/2, Loudon Street
Kolkata - 700 017

Subject : Environmental Clearance for the proposed capacity enhancement of the existing Cement Grinding Unit of M/s. Ambuja Cements Ltd., Unit Farakka, at Vill. - Kendua, PO - Srimantapur, PS - Farakka, Dist. - Murshidabad, Pin - 742212, West Bengal.

Sir,

This has a reference to your application dated 31st July, 2009 and subsequent communications for environmental clearance for the proposed capacity enhancement of the existing Cement Grinding Unit of M/s. Ambuja Cements Ltd., Unit Farakka, at Vill. - Kendua, PO - Srimantapur, PS - Farakka, Dist. - Murshidabad, Pin - 742212, West Bengal.

The proposal has been examined and processed in accordance with EIA Notification, of 2006. It is noted that the proposed project is for capacity enhancement of the existing Cement Grinding unit at Farakka from 0.96 MTPA to 1.25 MTPA. It is noted that clinker will not be manufactured at the site. The manufacturing process will involve grinding of Cement Clinker with Fly Ash and Gypsum. The proponent has mentioned that capacity enhancement will be done through efficient operation of the existing facility, increased use of Fly Ash and better production planning with no additional capital investment.

It is noted that the salient features of the project, for which Environmental clearance has been considered are as follows :

- i. Location of the Site - Vill. - Kendua, PO - Srimantapur, PS - Farakka, Dist. - Murshidabad, Pin - 742212, West Bengal.
- ii. Land Area - at the existing premises of 72 acres of land area.
- iii. Production Capacity - Portland Pozzolona Cement : (existing 0.96 MTPA, additional 0.29 MTPA, after enhancement 1.25 MTPA).
- iv. Raw Materials - Clinker (0.8125 MTPA, 62%), Fly Ash (0.375 MTPA, 32%), Gypsum (0.0625 MTPA, 6%).
- v. Emission Sources - Raw Material Handling Section, Transfer Points, Cement Grinding Mill (1 no. 160 TPH), Cement Silo, Packing Section etc. to be provided with high efficiency Bag Filters.
- vi. Air Pollution Control System - Bag Filters with stack of adequate height shall be provided at Cement Mill and Packing Plant.
- vii. Total Power requirement - 8 MVA, WBPDC.
- viii. Back-up Power - DG Set 1250 KVA.

State Level Environment Impact Assessment Authority (SEIAA), examined the proposal and also perused the recommendations of the State Level Expert Appraisal Committee (SEAC). After due consideration of the project proposal, and after considering the recommendations of the State Level



Expert Appraisal Committee (SEAC), the State Level Environment Impact Assessment Authority accords Environmental Clearance to the project as per provisions of the EIA notification no. S.O. 1533 (E) dt. 14th September, 2006 of Ministry of Environment & Forests, GOI, subject to strict compliance of terms and conditions as mentioned below.

A. SPECIFIC CONDITIONS :

- i. The gaseous emissions from various process units should conform to the load / mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.
- ii. Cement grinding shall be carried out in closed cement mill. Provision of dust extraction and pollution control systems alongwith minimum stack height of 30m from G.L. should be made for control of emission. Highly efficient Pulse Jet Bag Filters & ID Fan should be provided for Raw Material Handling Section, Cement Mill, Silo, Packing Section etc. Stack emissions shall be monitored at regular intervals and records maintained. The stack emission should not exceed 50 mg/Nm³.
- iii. Air quality monitoring data from at least three locations within 2 km of the plant premises should be submitted.
- iv. Finished cement should be collected in silo and packaging should be done through pneumatically controlled system. Suction system should be installed at packaging section to minimize fugitive emission.
- v. All vibrating screens, storage bins will be adequately covered. Covered storage yards shall be provided for raw materials. Closed unloading of raw materials and closed conveyor belt for transportation with bag filter at transfer points should be provided.
- vi. Dust suppression system should be provided to arrest fugitive emission.
- vii. Adequate dust suppression and extraction system should be provided in material storage areas, material unloading and transfer points for controlling fugitive emission. Fugitive dust emissions from ball mill and storage areas shall be collected in bag filters and recycled back to the process. Water sprinkling arrangement shall be made in the raw material stock yards, cement bag loading areas and other high dust potential areas.
- viii. Suction head should be provided at all transfer points.
- ix. Groundwater shall not be abstracted without prior permission of the local body as well as the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
- x. Process effluent discharge is not permitted. No liquid effluent shall be generated by adoption of dry grinding process.
- xi. Clinker manufacturing / heating is not permitted under this environmental clearance.
- xii. Solid waste viz. dust generated shall be properly recycled and reutilized in the process itself.
- xiii. The unit should develop rainwater harvesting structures and the harvested water should be utilised for gardening and other purposes. Groundwater recharge is not permitted.
- xiv. Green belt shall be developed within the plant premises. As proposed, at least 37% of the area should be kept for green belt development. Apart from greenbelt, the unit may also develop social forestry giving priority to the fruit trees. Selection of appropriate species for the plantation programme may be done in consultation with DFO / West Bengal Wasteland Development Corporation Ltd/ West Bengal Biodiversity Board.



- xv. Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- xvi. All internal roads should be pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper house keeping shall be maintained within the premises.
- xvii. Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xviii. Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.
- xix. Corporate Social Responsibility programmes should be carried out.
- xx. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.

B. GENERAL CONDITIONS :

- i. The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- ii. All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
- iii. Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.
- iv. The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.
- v. No further expansion or modifications in the plant should be carried out without prior approval of the State Level Environment Impact Assessment Authority.
- vi. The West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State Level Environment Impact Assessment Authority.
- vii. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA.



- viii. The State Level Environment Impact Assessment Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.
- ix. The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA and copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the SEIAA (<http://enviswb.gov.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.
- x. The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.
- xi. Prior Consent-to-Establish (NOC) for the proposed capacity enhancement project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.
- xii. The environmental clearance accorded shall be valid for a period of 5 years for the proposed project.
- xiii. The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.

Yours faithfully,



(Debal Ray)

Member Secretary, SEIAA &
Chief Environment Officer

Compliance of the Conditions Stipulated in the Environmental Clearance Accorded by SEAC for Production Enhancement from .96 to 1.25 MTPA Cement Production

Reference No. EN/ 27/ T-II-I/ 074/ 2009

Date: 4th January 2010

S.No.	Condition	Implementation Status
A	SPECIFIC CONDITIONS:	
1	The gaseous emission from various process units conform to the load / mass based standard prescribed by the Ministry of Environment & Forest and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standard.	Being a grinding unit, there is no any gaseous emission. Though we are monitoring gaseous and PM emission. CAAQMS and CEMS also installed and data is shared on-line with CPCB/WBPCB. We are also submitting six monthly monitoring report to WBPCB regularly.
2	Cement grinding shall carried out in closed cement mill. Provision of dust extraction and pollution control systems along with minimum stack height of 30m from G.L. Should be made for control of emission. Highly efficient Puls Jet Bag Filter and ID Fan should be provided for Raw Material Handling Section, Cement Mill, Silo, Packing Section, etc. Stack emission shall be monitored at regular intervals and record maintained. The stack emission should not exceed 50 mg/Nm3	Complied with, except DG stack (10m) already mentioned in Consent to Operate letter. Stack monitoring carried out by third party as well as WBPCB official in every quarter and the results are well below permissible limit.
3	Air quality monitoring data from at least three locations within two Km of the plant premises should be submitted.	Complied with, we are submitting monitoring report of all three location to WBPCB on quarterly basis.
4	Finished cement should be collected in silo and packaging should be done through pneumatically controlled system. Suction system should be installed at packaging section to minimize fugitive emission.	Complied with, cement manufactured is stored in cement silos. To minimize fugitive dust proper suction system is provided.
5	All vibrating screen storage bins will be adequately covered. Covered storage yards shall be provided for raw materials. Closed unloading of raw materials and closed conveyor belt for transportation with bag filters at transfer points should be provided.	All bins are covered and raw materials transfered through closed conveyor belts with provision of bag filter at transfer points. We have covered shed for raw material, the excess quantity is temporarily kept at designated area with tarpaulin cover to restrict fugitive emission and rain water percolation.
6	Dust suppression system should be provided to arrest fugitive emission.	Complied with, suction head and bag filters are provided.
7	Adequate dust suppression and extraction system should be provided in material storage areas, material unloading and transfer points for controlling fugitive emission. Fugitive dust emission from ball mill and storage area shall be collected in bag filters and recycled back to the process. Water sprinkling arrangement shall be made in the raw material stock yard, cement bag loading areas and other high dust potential areas.	The company has installed adequate No. of Bag Filters throughout the plant for dust collection and extraction system to control fugitive dust emissions at various transfer points (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas. Gypsum Stock piles are stored under covered shed and wet fly ash stored with tarpauline cover.
8	Suction head should be provided at all transfer points.	Complied with, all transfer points provided with suction point.
9	Ground water shall not be abstracted without prior permission of the local body as well as the component authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.	Have taken permission from SWID, as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005. Annexure I attached.
10	Process effluent discharge is not permitted. No liquid effluent shall be generated by adoption of dry grinding process.	Being dry process, no liquid effluent generated.
11	Clinker manufacturing / heating is not permitted under the environmental clearance.	Complied with, being a grinding unit clinker being transported here by rail.
12	Solid waste viz. Dust generated shall be properly recycled and reutilized in the process itself.	Dust being recycled and reutilized in the process itself.
13	The unit should develop rainwater harvesting structures and the harvested water should be utilized for gardening and other purposes. Ground water recharge is not permitted.	We are utilizing waste water from RO in gardening purposes. Water collected from Roof-top Rain water harvesting structure is also being utilized in gardening.
14	Green belt shall be developed within the plant premise. As proposed. At least 37% of the area should be kept for green beld development. Apart from green belt, the unit may also develop social forestry giving priority to the fruit trees. Selection of appropriate species for plantation programme may be done in consultation with DFO / West Bengal Wasteland Development Corporation Ltd/ West Bengal Biodiversity Board.	About 40% (119444 m2) of total area (288230 m2) has been covered under green area. Local species have been planted as per guidelines. Many local species of fruit trees like mango, leechi and jack fruit also planted at several location.
15	Ambient noise level should not exceed the permissible limit. The overall noise level in and around the plant area shall be kept within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. On all sources of noise generation. The ambient noise level should conform to the standards prescribed under EPA Rule 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime)	Complied with, but in case of residential, noise level exceeds (63-66 dBA) due to close proximity of Mill and packing plant.
16	All internal road should be pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separete pathway for entry and exit of vehicle should be considered. Vehicles should conform to the pollution under control (PUC) norms. Proper housekeeping shall be maintained within the premises.	All internal roads in the plant are concreted / pitched. Water sprinkler is used for dust suppression at the raw material stock yards, cement bag loading areas, truck yard and roads. Adequate lighting arrangement are provided inside plant. Seperate pedestrian pathway also provided. All vehicle entering plant are gone through pollution check at gate.

17	Health and safety of workers should be ensured. Workers should be provided with adequate personal protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and record maintained as per Factory Act.	All workers and employee working in plant are provided with PPEs (shoe, hand gloves, nose mask, ear plug, goggles and helmet) and following all PPEs is mandatory as per our company policy. Health check up of all employee including contractual workmen has been conducted regularly as per Factories Act and it is a regular process and record has been maintained
18	Adequate measures to be adopted to ensure industrial safety. Proper fire detection and protection system to be provided to control fire and explosion hazards.	Complied with, separate fire hydrant line is provided inside plant. Fire detection system as well as fire extinguisher is also provided at most of the location.
19	Corporate Social Responsibility Programmes should be carried out.	Complied with, our CSR (Ambuja Cement Foundation) doing social activities in nearby villages. Annexure II attached.
20	The implementation and monitoring of Environmental Management Plan should be carried out as proposed.	Complied with, certified with ISO 14001:2015. Annexure III attached
B GENERAL CONDITIONS:		
1	The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Complied with, Ambuja Cement Foundation (CSR) is doing socio-economic development like education, drinking water facility, toilet facility, plantation, health care etc in nearby villages. Annexure II attached
2	All the conditions, Liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of the management of the project to any other entity.	Noted
3	Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.	We have provided rest room with electricity and water facility to workers. All workers are gone through fitness test before issuing gate pass. Toilets/urinal are provided at several location.
4	The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguard. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.	Not applicable. Enhancement of capacity has taken place by improving plant efficiency in terms of Net Availability & less breakdown, besides achieving process optimization through efficient operation for sustainable performance.
5	No further expansion or modifications in the plant should be carried out without prior approval of the State Level Environmental Impact Assessment Authority	Noted
6	The West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguard, should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all documents should also be forwarded to the State Level Environmental Impact Assessment Authority	We are regularly submitting six monthly monitoring report to WBPCB. Attaching six monthly environment monitoring report (stack & ambient) carried out by authorized third party. Monitoring report attached as Annexure IV
7	In case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA	Noted
8	The SEIAA reserves the right to add additional safeguards measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provision of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards measures in a time bound and satisfactory manner.	Noted
9	The project proponent should inform the public that the project has been accorded environmental clearance by the SEIAA and the copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at website of the SEIAA (http://enviswb.gov.in). This should be advertise 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.	Public Notice was published in "The Statesman" in english language and in "Sangbad Pratidin" in bengali language on 9th January 2010. Annexure V attached
10	The project authorities should inform the State PCB as well as the SEIAA, the date of financial closure and financial approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.	Not applicable, since enhancement of capacity is by way of process improvement.
11	Prior Consent-to-Establish (NOC) for the proposed capacity enhancement project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.	Noted
12	The environmental clearance accorded shall be valid for a period of 5 years for the proposed project.	Noted
13	The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, The Air (Prevention and Control of Pollution) Act, 1981, The Environment (Protection) Act, 1986, the Environment Impact Assessment Notification 2006 and their amendments.	Noted