

# adani

## Cement

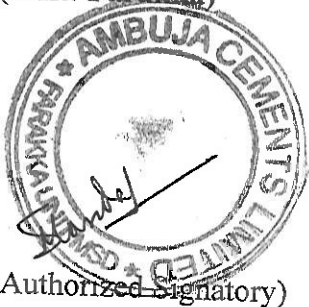
ACL/FKK/ENV/EC-CC2/2023 (1)  
02th May, 2023

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 Oct'22 to Mar'23 as per EC condition along with supporting documents.

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



(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  
Unit - Farakka  
VIII: Kendua, PO: Srimantapur, PS: Farakka,  
Dist: Murshidabad, West Bengal - 742212  
Ph +91-3485-252840

CIN: L26942GJ1981PLC004717

Registered Office:  
Adani Corporate House  
Shantigram, S. G. Highway  
Khodiyar, Ahmedabad - 382 421  
Gujarat, India  
Ph +91 79-2555 5555  
www.ambujacement.com

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-1/ 074/ 2009

Date: 4th January 2010

S.No.	Condition	Implementation Status
A	<b>SPECIFIC CONDITIONS:</b>	
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/Nm <sup>3</sup>	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 transferred 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 belt 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 m <sup>2</sup> ) of total area (288230 m <sup>2</sup> ) 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 separate 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. Separate 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>B GENERAL CONDITIONS:</b>		
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 ( <a href="http://enviswb.gov.in">http://enviswb.gov.in</a> ). 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

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

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

Date: 04 /01 /2010

To  
M/s. Ambuja Cements Ltd.  
"Surabhi", 4<sup>th</sup> & 5<sup>th</sup> 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 31<sup>st</sup> 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



*Conditions 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.*

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. 14<sup>th</sup> 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/Nm<sup>3</sup>.
- 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.



*Conditions 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.*

- 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

# Annexure -1



**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- Soimanapur**  
**P. S - Farakka, Murshidabad**  
 Small Farmer / Marginal Farmer / Others

**BR/A 0384/89 16-05-2012**  
 member, Ambuja Cement Limited

## 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**  
**Wd 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 (m<sup>3</sup>/hr.)
- (k) Maximum allowable running hours per day

**Tube Well.**  
**50m.**  
**Industrial**  
**50mm. X 5 mm.**  
**5 m. 50 mm**  
**N. A m.**  
**Submersible**  
**2 HP**  
**Electric Motor**  
**10 m<sup>3</sup>**  
**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**

## Conditions:

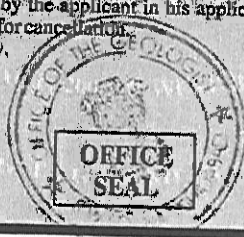
- (1) In case of any change of ownership of the proposed well, fresh registration has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well shall be made without prior permission of the Competent Authority. Any deviation in this regard 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**  
 Geological Survey of India  
 SW and Designation: **Berhampore**

**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)
- (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 - Soimantha pur, P.S. Farakka  
Dist - Murshidabad.  
Small Farmer / Marginal Farmer / Others

GP/A 0384/87, 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 (m<sup>3</sup>/hr.)
- (k) Maximum allowable running hours per day

Tube well  
50 m.  
Industrial  
50 m mm. X 50 mm.  
5 m. 50 mm  
NA m.  
Submersible  
2HP  
Electric Motor  
45 m<sup>3</sup>  
50 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**

**060106187**  
Signature of the Issuing Authority  
Geological Sub-Div. Murshidabad  
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.

Member Secretary

District Level Ground Water

Resources, Berhampore







# 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.]

PERMIT NO. **P1210 026 00713 00000 01 TSE**

024970

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  
**BPA 0384/88, 16-05-2012**

### 2. Location particulars---

- (a) District
- (b) Block, Mouza, I. 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 (m<sup>3</sup>/hr.)
- (k) Maximum allowable running hours per day

: **Tube well**  
 : **50 m.**  
 : **Industrial**  
 : **50 m mm. X 60 mm.**  
 : **5 m. 50 mm**  
 : **N-A m.**  
 : **Submersible**  
 : **2 HP**  
 : **Electric Motor**  
 : **15 m<sup>3</sup>**  
 : **10 hr.**

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

Place : **Benhamphore**

Date : **04-02-2015**

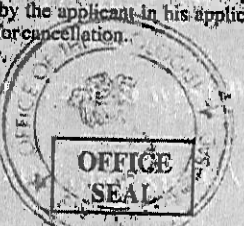


**GEOLOGIST**  
 Signature of the Issuing Authority  
**Swaid Dasgupta**

**Member Secretary**  
**District Level Ground Water**

### 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 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.



# Annexure -2

**Ambuja Cement Foundation – Farakka Unit**  
**Key Highlights of CSR activities (Oct, 2022 – Mar, 2023)**

Village Covered: 21 nos.; Panchayet Covered: 3 nos. ; State: West Bengal.

Total Beneficiary reached: 26697

**Major Activities in Water Resource and Agriculture Development programme:**

- River Lift Irrigation systems- 2 nos.
- Sluice Gate- 1 Nos.
- Riverbank pitching- 130 m.
- Group Sprinkler Irrigation system- 2 nos.
- Solar powered Sprinkler Irrigation system- 3 nos.
- Solar Powered water treatment plant- 4 nos.
- Crop Improvement Program- 360 acre
- Forestry promotion- 26 acre
- Capacity building & training

**Major Highlights (Oct 2022 – Mar 2023):**

1. 25,000 cubic meter river water harvesting potential created.
2. 78.5 Ha area covered under assured irrigation facility throughout the year.
3. Micro-irrigation systems promoted in 20 Ha areas.
4. 100 acre of agricultural land saved from severe river bank soil erosion.
5. Assured quality drinking water facility created of 20,000 L storage capacity with 2000 L/hr. filtration rate.
6. 4 Water Users' Groups formed to operate & maintain the irrigation infrastructures.
7. Cropping intensity increased from 100% to 250%
8. Rabi season crop cultivation promoted in 360 acre area.
9. Exotic Vegetable and fruit cultivation promoted in 40 acre area.
10. 26 acre barren land turned into forest plantation.
11. 1243 HHs of 6 villages directly benefited.
12. Farmers' income increased 1.5 to 2 times.
13. Assured irrigation facilities created with maximum covered area & high efficiency.

**Health & Safety Programme (Oct, 2022 – Mar, 2023)**

- Total number of Specialty Camp Organized-54
- Total number of patients treated in health camp-2610
- No. of ANC camp held-26
- No. of Capacity building training organized for SAKHI-9
- No. of women attended ANC camp-797
- No. of Pregnant mother identified-311
- No. of Delivery conducted in current month- 295
- No of Institutional delivery conducted-286
- IFA supplement distributed to pregnant women- 939
- Total number of Peer educator at present-113
- No. of Capacity building training organized for peer educator-23
- No. of adolescent reached by peer educator-1479
- No. of health awareness organized for women/adolescent-117
- Total Participants at awareness session-3554
- No. of Adolescent & women reached through MHM activity-1880
- No. of community member participated in WASH awareness session-826
- No. of truckers reached-25853
- No. of truckers availed clinical services-4875
- Truckers tested for ICTC-765
- No. of people screened for NCD-1301

**Women Empowerment programme (Oct, 2022 – Mar, 2023)**

- Total Number of SHG-93
- Total Number of SHG members-1212
- No. of SHG doing internal lending- 89
- Members availed internal lending-988

- No. of awareness session conducted on the concept of SHG-11
- No. of Newly formed SHG-5
- No. of training conducted for capacity building of SHG-82
- No. of members participated in capacity building training- 1200
- Number of awareness sessions held in community for social issues-13
- No. of training conducted for IGA-18
- No. of SHG member trained for IGA-488
- No of SHG members are engaged in individual income generation activity-1132
- No. of SHG completed grading process-89

### Skill & Entrepreneurship Development Programme (Oct, 2022 – Mar, 2023)

#### **Mobilization:**

- Mobilized approx. 550 trainees for enrollment
- Follow both traditional (Door to Door Mobilization, Miking, Community Meeting, & Alumni, etc.) & digital (Social Media Mobilization) platforms

#### **Counselling:**

- Pre-Counselling and Post Counselling both are planned for each batch
- Before admission we also arranged parents counselling. So that they are aware about the training
- Also 3 parents meetings are planned for each batch

#### **Enrollment/Training:**

- Domain training and non-domain training both are planned in our ACLP. And we follow it to provide a quality training
- In domain training plan is already mentioned in NSDC (Government) portal and we follow it strictly
- In non-domain training we have Information Technology and Soft Skill, & English
- Our training Programme is designed for skill enhanced and we follow 70% of practical classes and 30% of theory classes in both domain and non-domain
- In our all domain we have some basic topic- Safety, QP based syllabus, Digital learning, & Discipline learning, etc.

- In Soft Skill we have 4 major topics- Safety, Ice breaking, Grooming, & Workplace etiquettes.
- In Computer classes we provide them knowledge of Microsoft Office, Concept of Internet, E-Dukan concept, Value of Gmail, & Role of Social Media in market, etc.
- In this Financial Year we enrolled 313 trainees in our 5 different trades
- In each batch we take 3 internal assessments through FirstUniv (Virtual Platform)
- Guest classes are also planned for each batch to provide them best knowledge
- One of the most important session for each batch is Financial Literacy

#### **Placement:**

- Placed 209 trainees and in this figure some 79 trainees are self-employed and rest of them are wage employed
- Not only placement: we arranged rooms for them and help them to sustain their livelihood in that environment
- During retention we also provide opportunities to all those trainees who left their jobs for some reasons
- To place trained trainees, we have approx. 64 companies in pan India locations
- To self-employed trainees we provide them guidance to build their career

#### **Retention:**

- As per the plan we have approx. 5 retentions planned in 2 years for each trainees
- We also provide placement supports in each follow up

#### **Achievements:**

- For the first time we placed female trainees of SMO batch at Howrah location
- Trained 300+ trainees in 6 different trades
- 2 batches of NTPC funded successfully completed
- Achieved NABARD HO project and submitted for the final claim



# Annexure -3

# 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](http://www.tuvsud.com/en-in)  
Further clarifications regarding the scope of this certificate may be obtained by consulting the certification body

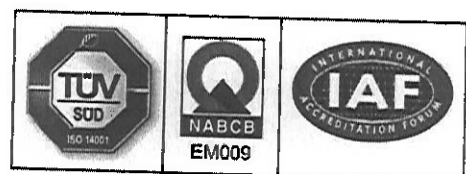
Certificate Registration No. **99 104 01201**

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

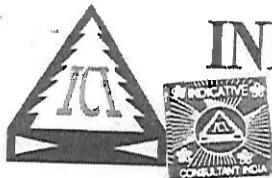
Issue Date: **2021-04-30**



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



# Annexure -4



# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

9001:2015

45001:2018

## TEST REPORT

Date: 03.04.2023	Report No: ICI/HL/A/RN-259/2023	Format No: ICI/FM/H/61
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2023/AC-259
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist: Murshidabad, PIN - 742212, West Bengal	Sampling Date : 25.03.2023 To 26.03.2023
#Customer Representative Name & Contact Number	Mr. Rohit Kumar Mob. No. +91- 6280011726	Analysis Start Date : 31.03.2023
#Work Order No.	2800946500/NE18, Dtd. 21.03.2023	Analysis complete Date : 01.04.2023
#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 Specification	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18 <sup>th</sup> November 2009	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			09:15 AM to 05:15 PM	05:25 PM to 01:25 AM	01:40 AM to 09:40 AM		
1.	Respirable Particulate Matter (PM <sub>10</sub> )	µg / m <sup>3</sup>	81.55	90.10	70.28	80.64	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM <sub>2.5</sub> )	µg / m <sup>3</sup>	51.19	53.88	41.35	48.81	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg / m <sup>3</sup>	22.76	28.97	25.87	25.87	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg / m <sup>3</sup>	40.17	42.91	37.43	40.17	IS 5182 (Part - 6):2006 (RA 2017)
5.	Carbon Monoxide (CO)	mg / m <sup>3</sup>	0.2611	0.3915	0.4845	0.3790	Non-Dispersive Infrared Spectrometry Method
6.	Ambient Temperature (Average)	°C	32.0	28.0	25.0	28.0	Hygrometer
Limit: (µg / m <sup>3</sup> ) Ambient Air Quality standard (National)							
PM <sub>10</sub> = 100 µg/m <sup>3</sup> , PM <sub>2.5</sub> = 60 µg/m <sup>3</sup> , SO <sub>2</sub> = 80 µg/m <sup>3</sup> , NO <sub>2</sub> = 80 µg/m <sup>3</sup> , 24 hours basis, Carbon monoxide = 2 mg/m <sup>3</sup> , 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 18 <sup>th</sup> November 2009							

Prepared By: N. Mondal

Checked By: A. Palra

For, INDICATIVE CONSULTANT INDIA

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

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note:
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India.
  - Sample submitted and identified by customer as: NA
  - Test results shown in this test report relate only to the sample(s) only.
  - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  - The reproduction of the report except in full is invalid without written approval of the laboratory.
  - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
  - Location of Testing : Haldia Laboratory

End of Report

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevapur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973  
KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshitala, Kolkata-700142, Mob. : 7797245819, 7797506970  
WEBSITE : www.indicativeconsultantindia.com

Towards Sustainable Growth



# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

## TEST REPORT

Date: 03.04.2023	Report No: ICI/HL/A/RN-260/2023	Format No: ICI/FM/H/61
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist: Murshidabad, PIN - 742212, West Bengal	Sampling Date
#Customer Representative Name & Contact Number	Mr. Rohit Kumar Mob. No. +91- 6280011726	Analysis Start Date
#Work Order No.	2800946500/NE18, Dtd. 21.03.2023	Analysis complete Date
#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 Specification	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18 <sup>th</sup> November 2009	

Sl. No.	Parameters	Unit	SAMPLING TIME				Test Method
			09:50 AM to 05:50 PM	06:05 PM to 02:05 AM	02:20 AM to 10:20 AM	24 Hours Average	
1.	Respirable Particulate Matter (PM <sub>10</sub> )	µg / m <sup>3</sup>	89.46	95.29	73.74	86.16	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM <sub>2.5</sub> )	µg / m <sup>3</sup>	45.06	57.36	38.90	47.11	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg / m <sup>3</sup>	21.73	28.83	18.62	23.06	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg / m <sup>3</sup>	38.34	41.99	37.43	39.25	IS 5182 (Part - 6):2006 (RA 2017)
5.	Carbon Monoxide (CO)	mg / m <sup>3</sup>	0.2711	0.4021	0.4917	0.3883	Non-Dispersive Infrared Spectrometry Method
6.	Ambient Temperature (Average)	°C	32.0	27.0	26.0	28.0	Hygrometer
Limit: (µg / m <sup>3</sup> ) Ambient Air Quality standard (National)							
PM <sub>10</sub> = 100 µg/m <sup>3</sup> , PM <sub>2.5</sub> = 60 µg/m <sup>3</sup> , SO <sub>2</sub> = 80 µg/m <sup>3</sup> , NO <sub>x</sub> = 80 µg/m <sup>3</sup> , 24 hours basis, Carbon mono oxide = 2 mg/m <sup>3</sup> , 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 18 <sup>th</sup> 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 (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note:
1. Information provided by customer
  2. Sample is drawn by M/s. Indicative Consultant India.
  3. Sample submitted and identified by customer as: NA
  4. Test results shown in this test report relate only to the sample (s) only.
  5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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  8. Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
  9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1

**CENTRAL LABORATORY :** HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
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**KOLKATA LABORATORY :** B1-1/22/1-2, Santoshpur(M), Block-B, Maheshlala, Kolkata-700142, Mob. : 7797245819, 7797506970  
**WEBSITE :** www.indicativeconsultantindia.com

Towards Sustainable Growth



# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

## TEST REPORT

Date: 03.04.2023	Report No: ICI/HLA/RN-261/2023	Format No: ICI/FM/H/61
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2023/AC-261
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist: Murshidabad, PIN - 742212, West Bengal	Sampling Date : 26.03.2023 To : 27.03.2023
#Customer Representative Name & Contact Number	Mr. Rohit Kumar Mob. No. +91- 6280011726	Analysis Start Date : 31.03.2023
#Work Order No.	2800946500/NE18, Dtd. 21.03.2023	Analysis complete Date : 01.04.2023
#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 Specification	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18 <sup>th</sup> November '2009	

National Ambient Air Quality Standard dated 18<sup>th</sup> November 2009

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:10 AM to 06:10 PM	06:20 PM to 02:20 AM	02:40 AM to 10:40 AM		
			RESULT				
1.	Respirable Particulate Matter (PM <sub>10</sub> )	µg / m <sup>3</sup>	71.28	87.43	60.11	72.94	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM <sub>2.5</sub> )	µg / m <sup>3</sup>	34.96	47.32	40.10	40.79	
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg / m <sup>3</sup>	21.73	23.80	18.62	21.38	IS 5182 (Part - 24):2019
4.	Oxides of Nitrogen (NO <sub>x</sub> )	µg / m <sup>3</sup>	37.43	39.26	34.69	37.13	IS 5182 (Part - 2):2001 (RA 2017)
5.	Carbon Monoxide (CO)	mg / m <sup>3</sup>	0.2611	0.3915	0.4372	0.3633	IS 5182 (Part - 6):2006 (RA 2017)
6.	Ambient Temperature (Average)	°C	32.0	27.0	26.0	28.0	Non-Dispersive Infrared Spectrometry Method
Limit: (µg / m <sup>3</sup> ) Ambient Air Quality standard (National)							Hygrometer

*PM<sub>10</sub> = 100 µg/m<sup>3</sup>, PM<sub>2.5</sub> = 60 µg/m<sup>3</sup>, SO<sub>2</sub> = 80 µg/m<sup>3</sup>, NO<sub>x</sub> = 80 µg/m<sup>3</sup>, 24 hours basis, Carbon mono oxide = 2 mg/m<sup>3</sup>, 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 18<sup>th</sup> November 2009*

Limit: (µg / m<sup>3</sup>) Ambient Air Quality standard (National)

PM<sub>10</sub> = 100 µg/m<sup>3</sup>, PM<sub>2.5</sub> = 60 µg/m<sup>3</sup>, SO<sub>2</sub> = 80 µg/m<sup>3</sup>, NO<sub>x</sub> = 80 µg/m<sup>3</sup>, 24 hours basis, Carbon monoxide = 2 mg/m<sup>3</sup>, 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 18<sup>th</sup> November '2009

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

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

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note:
- # Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India.
  - Sample submitted and identified by customer as: NA
  - Test results shown in this test report relate only to the sample (s) only.
  - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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  - Location of Testing: Haldia Laboratory

End of Report

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CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

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WEBSITE : www.indicativeconsultantindia.com

Towards Sustainable Growth



# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

## TEST REPORT

Date: 07.04.2023	Report No: ICI/HL/W/RN-613/2023	Format No: ICI/FM/H/67
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2023/W-613
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist: Murshidabad, PIN - 742212, West Bengal	Sampling Date : 27.03.2023
#Customer Representative Name & Contact Number	Mr. Rohit Kumar	Sampling Time : 11:30 AM
#Work Order No.	Mob. No. +91- 6280011726	Analysis Start Date : 30.03.2023
#Sample Description	2800946500/NE18, Dtd. 21.03.2023	Analysis complete Date : 06.04.2023
Sample Condition	DRINKING WATER	
Sampling Method	In Plastic Bottle & Glass Bottle	
# Location	IS:3025 (Part I): 1987 (RA 2019), APHA 23 <sup>rd</sup> ed 2017	
Material Specification	PLANT	
	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS: 10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5):2018 APHA 23 <sup>rd</sup> Edition 2150 B
2.	pH (at 25°C)	-	7.43	6.5 to 8.5	No Relaxation	IS:3025(Part-11):1983 : RA 2017, APHA 23 <sup>rd</sup> Edition 4500-H <sup>+</sup> B
3.	Taste	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-7):1984 : RA 2017
4.	Turbidity	N.T.U.	1.0	1 (Max)	5 (Max)	IS:3025(Part-10):1984: RA 2017 APHA 23 <sup>rd</sup> Edition 2130 B
5.	Total Dissolved Solid (TDS)	mg/L	398.0	500 (Max)	2000 (Max)	IS:3025(Part-16):1984: RA 2017 APHA 23 <sup>rd</sup> Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
6.	Total Hardness as CaCO <sub>3</sub>	mg/L	270.6	200 (Max)	600 (Max)	IS:3025(Part-21):2009: RA 2019 APHA 23 <sup>rd</sup> Edition 2340 C
7.	Calcium as Ca	mg/L	70.3	75 (Max)	200 (Max)	IS:3025(Part-40):1991: RA 2014 APHA 23 <sup>rd</sup> Edition 3500Ca B
8.	Magnesium as Mg	mg/L	23.1	30 (Max)	100 (Max)	IS:3025(Part-46):1994: RA 2019 APHA 23 <sup>rd</sup> Edition 3500Mg B
9.	Chloride as Cl	mg/L	26.5	250 (Max)	1000 (Max)	IS:3025(Part-32):1988: RA 2019 APHA 23 <sup>rd</sup> Edition 4500Cl <sup>-</sup> B
10.	Total Alkalinity as CaCO <sub>3</sub>	mg/L	360.0	200 (Max)	600 (Max)	IS:3025(Part-23):1986: RA 2019 APHA 23 <sup>rd</sup> Edition 2320 B
11.	Iron as Fe	mg/L	0.22	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003: RA 2019 APHA 23 <sup>rd</sup> Edition 3500-Fe B
12.	Sulfate as SO <sub>4</sub>	mg/L	9.0	200 (Max)	400 (Max)	IS:3025(Part-24):1986: RA 2019 APHA 23 <sup>rd</sup> Edition 4500 SO <sub>4</sub> <sup>2-</sup> B
13.	Fluoride as F	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008 : RA 2019 APHA 23 <sup>rd</sup> Edition 4500 FD
14.	Nitrate as NO <sub>3</sub>	mg/L	7.3	45 (Max)	No Relaxation	APHA 23 <sup>rd</sup> Edition 3500NO <sub>3</sub>
PARAMETERS CONCERNING TOXIC SUBSTANCES						
15.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 23 <sup>rd</sup> Edition 3500As B

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA  
Page: 1 of 2

**CENTRAL LABORATORY :** HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973  
**KOLKATA LABORATORY :** B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970  
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# INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

9001:2015

45001:2018

Report No: ICI/HL/W/RN-613/2023				#Location: PLANT		
Sl. No.	Parameters	Unit	Result	As Per IS: 10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
<b>BACTERIOLOGICAL PARAMETERS</b>						
1.	Total Coliform	MPN/100 ml	BLQ	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
2.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
<b>LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ- 1.8 MPN/100 ml)</b> <b>Remarks:</b> 1) Chemical test Parameters: Compliance – The test parameters except Total Hardness & Total Alkalinity are within desirable limit as per specification IS 10500:2012, however the values of Total Hardness & Total Alkalinity are within permissible limit (in the absence of alternate source as per specification IS 10500:2012) 2) Bacteriological test parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012						

Prepared By: N. Mondal

Checked By: A. Raia

For, INDICATIVE CONSULTANT INDIA

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

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note:**
1. # Information provided by customer
  2. Sample is drawn by M/s. Indicative Consultant India
  3. Sample submitted and identified by customer as: N.A.
  4. Test results shown in this test report relate only to the sample (s) only
  5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  6. The reproduction of the report except in full is invalid without written approval of the laboratory
  7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
  9. Location of Testing: Haldia Laboratory

—End of Report—

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**CENTRAL LABORATORY :** HPL Link Road, Basudevapur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

**KOLKATA LABORATORY :** B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970  
**WEBSITE :** www.indicativeconsultantindia.com

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# INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

## TEST REPORT

Date: 07.04.2023	Report No: ICI/HL/W/RN-614/2023	Format No: ICI/FM/H/67
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2023/W-614
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist:Murshidabad, PIN - 742212, West Bengal	Sampling Date : 27.03.2023
#Customer Representative Name & Contact Number	Mr. Rohit Kumar Mob. No. +91- 6280011726	Sampling Time : 12:00 PM
#Work Order No.	2800946500/NE18, Dtd. 21.03.2023	Analysis Start Date : 30.03.2023
#Sample Description	DRINKING WATER	Analysis complete Date : 06.04.2023
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part 1): 1987 (RA 2019), APHA 23 <sup>rd</sup> ed 2017	
# Location	COLONY	
Material Specification	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS: 10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5):2018 APHA 23 <sup>rd</sup> Edition 2150 B
2.	pH (at 25°C)	-	7.88	6.5 to 8.5	No Relaxation	IS:3025(Part-1):1983 : RA 2017, APHA 23 <sup>rd</sup> Edition 4500-H <sup>+</sup> B
3.	Taste	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-7) 1984 : RA 2017
4.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-10):1984: RA 2017 APHA 23 <sup>rd</sup> Edition 2130 B
5.	Total Dissolved Solid (TDS)	mg/L	378.0	500 (Max)	2000 (Max)	IS:3025(Part-16):1984: RA 2017 APHA 23 <sup>rd</sup> Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
6.	Total Hardness as CaCO <sub>3</sub>	mg/L	265.6	200 (Max)	600 (Max)	IS:3025(Part-21):2009: RA 2019 APHA 23 <sup>rd</sup> Edition 2340 C
7.	Calcium as Ca	mg/L	40.2	75 (Max)	200 (Max)	IS:3025(Part-40):1991: RA 2014 APHA 23 <sup>rd</sup> Edition 3500Ca B
8.	Magnesium as Mg	mg/L	40.2	30 (Max)	100 (Max)	IS:3025(Part-45):1994: RA 2019 APHA 23 <sup>rd</sup> Edition 3500Mg B
9.	Chloride as Cl	mg/L	28.9	250 (Max)	1000 (Max)	IS:3025(Part-32):1988: RA 2019 APHA 23 <sup>rd</sup> Edition 4500Cl B
10.	Total Alkalinity as CaCO <sub>3</sub>	mg/L	340.0	200 (Max)	600 (Max)	IS:3025(Part-23):1986: RA 2019 APHA 23 <sup>rd</sup> Edition 2320 B
11.	Iron as Fe	mg/L	0.25	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003: RA 2019 APHA 23 <sup>rd</sup> Edition 3500-Fe B
12.	Sulfate as SO <sub>4</sub>	mg/L	9.5	200 (Max)	400 (Max)	IS:3025(Part-24):1986: RA 2019 APHA 23 <sup>rd</sup> Edition 4500 SO <sub>4</sub> <sup>2-</sup> E
13.	Fluoride as F	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008 : RA 2019 APHA 23 <sup>rd</sup> Edition 4500 FD
14.	Nitrate as NO <sub>3</sub>	mg/L	8.6	45 (Max)	No Relaxation	APHA 23 <sup>rd</sup> Edition 3500NO <sub>3</sub>
PARAMETERS CONCERNING TOXIC SUBSTANCES						
15.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 23 <sup>rd</sup> Edition 3500As B

Parbati Galui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Page: 1 of 2

**CENTRAL LABORATORY :** HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973  
**KOLKATA LABORATORY :** B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970  
**WEBSITE :** www.indicativeconsultantindia.com

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# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

Report No: ICI/HL/W/RN-614/2023				#Location: COLONY		
Sl. No.	Parameters	Unit	Result	As Per IS: 10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
<b>BACTERIOLOGICAL PARAMETERS</b>						
1.	Total Coliform	MPN/100 ml	BLQ	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
2.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
<b>LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ- 1.8 MPN/100 ml)</b> <b>Remarks:</b> 1) Chemical test Parameters: Compliance – The test parameters except Total Hardness, Magnesium & Total Alkalinity are within desirable limit as per specification IS 10500:2012, however the values of Total Hardness, Magnesium & Total Alkalinity are within permissible limit (in the absence of alternate source as per specification IS 10500:2012) 2) Bacteriological test parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012						

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Signatory Authority  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note:**
1. # Information provided by customer
  2. Sample is drawn by M/s. Indicative Consultant India
  3. Sample submitted and identified by customer as: N.A.
  4. Test results shown in this test report relate only to the sample (s) only
  5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  6. The reproduction of the report except in full is invalid without written approval of the laboratory
  7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
  9. Location of Testing: Haldia Laboratory

End of Report

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**CENTRAL LABORATORY :** HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
**Phone No. :** 03224-275765, 9434017584, 9232395890, 7797506973  
**KOLKATA LABORATORY :** B1-1/22/1-2, Santoshpur(M), Block-B, Maheshitola, Kolkata-700142, Mob. : 7797245819, 7797506970  
**WEBSITE :** www.indicativeconsultantindia.com

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# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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## TEST REPORT

Date: 07.04.2023	Report No: ICI/HL/W/RN-615/2023	Format No: ICI/FM/H/67
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2023/W-615
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist.Murshidabad, PIN - 742212, West Bengal	Sampling Date : 27.03.2023
#Customer Representative Name & Contact Number	Mr. Rohit Kumar Mob. No. +91- 6280011726	Sampling Time : 01:00 PM
#Work Order No.	2800946500/NE18, Dtd. 21.03.2023	Analysis Start Date : 30.03.2023
#Sample Description	BOREWELL WATER	Analysis complete Date : 06.04.2023
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part I): 1987 (RA 2019), APHA 23 <sup>rd</sup> ed 2017	
# Location	BOREWELL WATER NO. - 1	
Material Specification	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS: 10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5):2018 APHA 23 <sup>rd</sup> Edition 2150 B
2.	pH (at 25°C)	-	6.80	6.5 to 8.5	No Relaxation	IS:3025(Part-11):1983 : RA 2017, APHA 23 <sup>rd</sup> Edition 4500-H <sup>+</sup> B
3.	Taste	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-7) 1984 : RA 2017
4.	Turbidity	N.T.U.	92.1 *	1 (Max)	5 (Max)	IS:3025(Part-10):1984: RA 2017 APHA 23 <sup>rd</sup> Edition 2130 B
5.	Total Dissolved Solid (TDS)	mg/L	404.0	500 (Max)	2000 (Max)	IS:3025(Part-16):1984: RA 2017 APHA 23 <sup>rd</sup> Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
6.	Total Hardness as CaCO <sub>3</sub>	mg/L	385.9	200 (Max)	600 (Max)	IS:3025(Part-21):2009: RA 2019 APHA 23 <sup>rd</sup> Edition 2340 C
7.	Calcium as Ca	mg/L	96.4	75 (Max)	200 (Max)	IS:3025(Part-40):1991: RA 2014 APHA 23 <sup>rd</sup> Edition 3500Ca B
8.	Magnesium as Mg	mg/L	35.3	30 (Max)	100 (Max)	IS:3025(Part-46):1994: RA 2019 APHA 23 <sup>rd</sup> Edition 3500Mg B
9.	Chloride as Cl	mg/L	28.9	250 (Max)	1000 (Max)	IS:3025(Part-32):1988: RA 2019 APHA 23 <sup>rd</sup> Edition 4500Cl <sup>-</sup> B
10.	Total Alkalinity as CaCO <sub>3</sub>	mg/L	285.0	200 (Max)	600 (Max)	IS:3025(Part-23):1986: RA 2019 APHA 23 <sup>rd</sup> Edition 2320 B
11.	Iron as Fe	mg/L	8.6	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003: RA 2019 APHA 23 <sup>rd</sup> Edition 3500-Fe B
12.	Sulfate as SO <sub>4</sub>	mg/L	258.0	200 (Max)	400 (Max)	IS:3025(Part-24):1986: RA 2019 APHA 23 <sup>rd</sup> Edition 4500 SO <sub>4</sub> <sup>2-</sup> E
13.	Fluoride as F	mg/L	0.32	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008 : RA 2019 APHA 23 <sup>rd</sup> Edition 4500 FD
14.	Nitrate as NO <sub>3</sub>	mg/L	15.6	45 (Max)	No Relaxation	APHA 23 <sup>rd</sup> Edition 3500NO <sub>3</sub>
PARAMETERS CONCERNING TOXIC SUBSTANCES						
15.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 23 <sup>rd</sup> Edition 3500As B
Remarks:						
Chemical test Parameters: Non-Compliance -The Turbidity value is higher from the permissible limit as per specification IS 10500:2012						

### Remarks:

Chemical test Parameters: Non-Compliance -The Turbidity value is higher from the permissible limit as per specification IS 10500:2012

Prepared By: N. Mohan

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Gohi  
(Quality Manager)  
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

Parbati Gohi  
Quality Manager  
INDICATIVE CONSULTANT INDIA

### Note:

- Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India
- Sample submitted and identified by customer as: N/A
- Test results shown in this test report relate only to the sample (s) only
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
- Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
- Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1

**CENTRAL LABORATORY :** HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973  
**KOLKATA LABORATORY :** B1-1/22/1-2, Santoshpur(M), Block-B, Maheshitala, Kolkata-700142, Mob. : 7797245819, 7797506970  
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# INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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## TEST REPORT

Date: 07.04.2023	Report No: ICI/HL/W/RN-616/2023	Format No: ICI/FM/H/67
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2023/W-616
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist:Murshidabad, PIN - 742212, West Bengal	Sampling Date : 27.03.2023
#Customer Representative Name & Contact Number	Mr. Rohit Kumar Mob. No. +91- 6280011726	Sampling Time : 01:30 PM
#Work Order No.	2800946500/NE18, Dtd. 21.03.2023	Analysis Start Date : 30.03.2023
#Sample Description	BOREWELL WATER	Analysis complete Date : 06.04.2023
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part I): 1987 (RA 2019), APHA 23 <sup>rd</sup> Ed 2017	
# Location	BOREWELL WATER NO. - 2	
Material Specification	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS: 10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5):2018 APHA 23 <sup>rd</sup> Edition 2150 B
2.	pH (at 25°C)	-	6.79	6.5 to 8.5	No Relaxation	IS:3025(Part-11):1983 : RA 2017, APHA 23 <sup>rd</sup> Edition 4500-H <sup>+</sup> B
3.	Taste	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-7) 1984 : RA 2017
4.	Turbidity	N.T.U.	80.0*	5 (Max)	5 (Max)	IS:3025(Part-10):1984 : RA 2017 APHA 23 <sup>rd</sup> Edition 2130 B
5.	Total Dissolved Solid (TDS)	mg/L	410.0	500 (Max)	2000 (Max)	IS:3025(Part-16):1984 : RA 2017 APHA 23 <sup>rd</sup> Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
6.	Total Hardness as CaCO <sub>3</sub>	mg/L	441.4	200 (Max)	600 (Max)	IS:3025(Part-21):2009: RA 2019 APHA 23 <sup>rd</sup> Edition 2340 C
7.	Calcium as Ca	mg/L	116.5	75 (Max)	200 (Max)	IS:3025(Part-40):1991: RA 2014 APHA 23 <sup>rd</sup> Edition 3500Ca B
8.	Magnesium as Mg	mg/L	36.6	30 (Max)	100 (Max)	IS:3025(Part-46):1994: RA 2019 APHA 23 <sup>rd</sup> Edition 3500Mg B
9.	Chloride as Cl	mg/L	28.9	250 (Max)	1000 (Max)	IS:3025(Part-32):1988: RA 2019 APHA 23 <sup>rd</sup> Edition 4500Cl <sup>-</sup> B
10.	Total Alkalinity as CaCO <sub>3</sub>	mg/L	290.0	200 (Max)	600 (Max)	IS:3025(Part-23):1986: RA 2019 APHA 23 <sup>rd</sup> Edition 2320 B
11.	Iron as Fe	mg/L	13.2	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003: RA 2019 APHA 23 <sup>rd</sup> Edition 3500-Fe B
12.	Sulfate as SO <sub>4</sub>	mg/L	258.0	200 (Max)	400 (Max)	IS:3025(Part-24):1986: RA 2019 APHA 23 <sup>rd</sup> Edition 4500 SO <sub>4</sub> <sup>2-</sup> E
13.	Fluoride as F	mg/L	0.51	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008 : RA 2019 APHA 23 <sup>rd</sup> Edition 4500 FD
14.	Nitrate as NO <sub>3</sub>	mg/L	13.8	45 (Max)	No Relaxation	APHA 23 <sup>rd</sup> Edition 3500NO <sub>3</sub>
PARAMETERS CONCERNING TOXIC SUBSTANCES						
15.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 23 <sup>rd</sup> Edition 3500As B
Remarks:						

### Remarks:

Chemical test Parameters: Non-Compliance -The Turbidity value is higher from the permissible limit as per specification IS 10500:2012

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbat Choudhary  
(Quality Manager)

Parbat Choudhary  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

### Note:

1. Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India
3. Sample submitted and identified by customer as: N.A.
4. Test results shown in this test report relate only to the sample (s) only
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. The reproduction of the report except in full is invalid without written approval of the laboratory
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1

**CENTRAL LABORATORY :** HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973  
**KOLKATA LABORATORY :** B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970  
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# INDICATIVE CONSULTANT INDIA

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9001:2015

45001:2018

## TEST REPORT

Date: 07.04.2023	Report No: ICI/HL/W/RN-617/2023	Format No: ICI/EM/H/67
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2023/W-617
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist: Murshidabad, PIN - 742212, West Bengal	Sampling Date : 27.03.2023
#Customer Representative Name & Contact Number	Mr. Rohit Kumar Mob. No. +91- 6280011726	Sampling Time : 02:00 PM Analysis Start Date : 30.03.2023 Analysis complete Date : 06.04.2023
#Work Order No.	2800946500/NE18, Dtd. 21.03.2023	
#Sample Description	SOFTNER WATER	
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part I): 1987 (RA 2019), APHA 23 <sup>rd</sup> ed 2017	
# Location	SOFTNER WATER - PLANT	
Material Specification	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS: 10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5):2018 APHA 23 <sup>rd</sup> Edition 2150 B
2.	pH (at 25°C)	-	8.07	6.5 to 8.5	No Relaxation	IS:3025(Part-11):1983 : RA 2017, APHA 23 <sup>rd</sup> Edition 4500-H <sup>+</sup> B
3.	Taste	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-7) 1984 : RA 2017
4.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-10):1984: RA 2017 APHA 23 <sup>rd</sup> Edition 2130 B
5.	Total Dissolved Solid (TDS)	mg/L	350.0	500 (Max)	2000 (Max)	IS:3025(Part-16):1984: RA 2017 APHA 23 <sup>rd</sup> Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
6.	Total Hardness as CaCO <sub>3</sub>	mg/L	250.6	200 (Max)	600 (Max)	IS:3025(Part-21):2009: RA 2019 APHA 23 <sup>rd</sup> Edition 2340 C
7.	Calcium as Ca	mg/L	48.2	75 (Max)	200 (Max)	IS:3025(Part-40):1991: RA 2014 APHA 23 <sup>rd</sup> Edition 3500Ca B
8.	Magnesium as Mg	mg/L	31.7	30 (Max)	100 (Max)	IS:3025(Part-46):1994: RA 2019 APHA 23 <sup>rd</sup> Edition 3500Mg B
9.	Chloride as Cl <sup>-</sup>	mg/L	24.1	250 (Max)	1000 (Max)	IS:3025(Part-32):1988: RA 2019 APHA 23 <sup>rd</sup> Edition 4500Cl <sup>-</sup> B
10.	Total Alkalinity as CaCO <sub>3</sub>	mg/L	335.0	200 (Max)	600 (Max)	IS:3025(Part-23):1986: RA 2019 APHA 23 <sup>rd</sup> Edition 2320 B
11.	Iron as Fe	mg/L	0.23	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003: RA 2019 APHA 23 <sup>rd</sup> Edition 3500-Fe B
12.	Sulfate as SO <sub>4</sub>	mg/L	11.0	200 (Max)	400 (Max)	IS:3025(Part-24):1986: RA 2019 APHA 23 <sup>rd</sup> Edition 4500 SO <sub>4</sub> <sup>2-</sup> B
13.	Fluoride as F <sup>-</sup>	mg/L	0.32	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008 : RA 2019 APHA 23 <sup>rd</sup> Edition 4500 FD
14.	Nitrate as NO <sub>3</sub>	mg/L	8.7	45 (Max)	No Relaxation	APHA 23 <sup>rd</sup> Edition 3500NO <sub>3</sub>
PARAMETERS CONCERNING TOXIC SUBSTANCES						
15.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 23 <sup>rd</sup> Edition 3500As B
Remarks: Chemical Test Parameters: Compliance – The test parameters except Total Hardness, Magnesium & Total Alkalinity are within desirable limit as per specification IS 10500:2012, however the values of Total Hardness, Magnesium & Total Alkalinity are within permissible limit (in the absence of alternate source as per specification IS 10500:2012)						

Remarks: Chemical test Parameters: Compliance - The test parameters except Total Hardness, Magnesium & Total Alkalinity are within desirable limit as per specification IS 10500:2012, however the values of Total Hardness, Magnesium & Total Alkalinity are within permissible limit (in the absence of alternate source as per specification IS 10500:2012)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Goyal  
(Quality Manager)  
Signatory Authority

Parbati Goyal  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note:

1. Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India
3. Sample submitted and identified by customer as: N.A.
4. Test results shown in this test report relate only to the sample (s) only
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. The reproduction of the report except in full is invalid without written approval of the laboratory
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395880, 7797506973

KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshkhala, Kolkata-700142, Mob. : 7797245819, 7797506970  
WEBSITE : www.indicativeconsultantindia.com

Towards Sustainable Growth



# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

## TEST REPORT

Date: 07.04.2023	Report No: ICI/HL/W/RN-618/2023	Format No: ICI/FM/H/67
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2023/W-618
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist: Murshidabad, PIN - 742212, West Bengal	Sampling Date : 27.03.2023
#Customer Representative Name & Contact Number	Mr. Robit Kumar Mob. No. +91- 6280011726	Sampling Time : 02:30 PM Analysis Start Date : 30.03.2023 Analysis complete Date : 06.04.2023
#Work Order No.	2800946500/NE18, Dtd. 21.03.2023	
#Sample Description	SOFTNER WATER	
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part I): 1987 (RA 2019), APHA 23 <sup>rd</sup> ed 2017	
# Location	SOFTNER WATER - COLONY	
Material Specification	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS: 10500:2012	Desirable Limit	Permissible limit in the absence of alternate source	Method Followed
<b>ORGANOLEPTIC AND PHYSICAL PARAMETERS</b>							
1.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	IS:3025(Part-5):2018 APHA 23 <sup>rd</sup> Edition 2130 B
2.	pH (at 25°C)	-	7.93	6.5 to 8.5	No Relaxation	No Relaxation	IS:3025(Part-11):1983 : RA 2017, APHA 23 <sup>rd</sup> Edition 4500-FT B
3.	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	IS:3025(Part-7): 1984 : RA 2017
4.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	5 (Max)	IS:3025(Part-10):1984; RA 2017 APHA 23 <sup>rd</sup> Edition 2130 B
5.	Total Dissolved Solid (TDS)	mg/L	332.0	500 (Max)	2000 (Max)	2000 (Max)	IS:3025(Part-16):1984; RA 2017 APHA 23 <sup>rd</sup> Edition 2540 C
<b>GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS</b>							
6.	Total Hardness as CaCO <sub>3</sub>	mg/L	250.6	200 (Max)	600 (Max)	600 (Max)	IS:3025(Part-21):2009: RA 2019 APHA 23 <sup>rd</sup> Edition 2340 C
7.	Calcium as Ca	mg/L	60.3	75 (Max)	200 (Max)	200 (Max)	IS:3025(Part-40):1991: RA 2014 APHA 23 <sup>rd</sup> Edition 3500Ca B
8.	Magnesium as Mg	mg/L	24.3	30 (Max)	100 (Max)	100 (Max)	IS:3025(Part-46):1994: RA 2019 APHA 23 <sup>rd</sup> Edition 3500Mg B
9.	Chloride as Cl	mg/L	24.1	250 (Max)	1000 (Max)	1000 (Max)	IS:3025(Part-32):1988: RA 2019 APHA 23 <sup>rd</sup> Edition 4500Cl B
10.	Total Alkalinity as CaCO <sub>3</sub>	mg/L	340.0	200 (Max)	600 (Max)	600 (Max)	IS:3025(Part-23):1986: RA 2019 APHA 23 <sup>rd</sup> Edition 2320 B
11.	Iron as Fe	mg/L	0.21	0.3 (Max)	No Relaxation	No Relaxation	IS:3025(Part-53):2003: RA 2019 APHA 23 <sup>rd</sup> Edition 3500-Fe B
12.	Sulfate as SO <sub>4</sub>	mg/L	13.5	200 (Max)	400 (Max)	400 (Max)	IS:3025(Part-24):1986: RA 2019 APHA 23 <sup>rd</sup> Edition 4500 SO <sub>4</sub> E
13.	Fluoride as F	mg/L	0.37	1 (Max)	1.5 (Max)	1.5 (Max)	IS:3025(Part-60):2008 : RA 2019 APHA 23 <sup>rd</sup> Edition 4500 FD
14.	Nitrate as NO <sub>3</sub>	mg/L	10.6	45 (Max)	No Relaxation	No Relaxation	APHA 23 <sup>rd</sup> Edition 3500NO <sub>3</sub>
<b>PARAMETERS CONCERNING TOXIC SUBSTANCES</b>							
15.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)	0.05 (Max)	APHA 23 <sup>rd</sup> Edition 3500As B

Remarks: Chemical test Parameters: Compliance - The test parameters except Total Hardness & Total Alkalinity are within desirable limit as per specification IS 10500:2012, however the values of Total Hardness & Total Alkalinity are within permissible limit in the absence of alternate source as per specification IS 10500:2012

Prepared By: N. Mondal

Checked By: A. Pal

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Signatory Authority

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note:
- Information provided by customer
  - Sample is drawn by M/s. Indicative Consultant India
  - Sample submitted and identified by customer as: N.A.
  - Test results shown in this test report relate only to the sample (s) only
  - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  - The reproduction of the report except in full is invalid without written approval of the laboratory
  - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
  - Location of Testing: Kaldia Laboratory

End of Report

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973  
KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970  
WEBSITE : www.indicativeconsultantindia.com

Towards Sustainable Growth





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

## TEST REPORT

Date: 01.04.2023	Report No: ICI/BL/A/TC-317/2023	Format No: ICI/FM/H/58
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2023/A-317
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist: Murshidabad, PIN - 742212, West Bengal	Sampling Date : 27.03.2023
#Customer Representative Name & Contact Number	Mr. Rohit Kumar Mob. No. +91- 6280011726	Sampling Time : 09:30 AM
#Work Order No.	2800945500/NE18, Dtd. 21.03.2023	Analysis Start Date : 31.03.2023
#Sample Description	STACK AIR	Analysis complete Date : 31.03.2023
#Location	CEMENT BALL MILL	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part II)	

### 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	:	Height Details :	
Calorific Value(Kcal/kg)	:	a) Total Ht. Of stack from GL(M)	: 47.70
Sulphur Content (% by Wt)	:	b) Total Ht. Of stack from RL(M)	:
Ash Content (% by Wt.)	:	c) Ht. of sampling port from GL(M)	: 27.80
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)	: 92	Steam Generation Capacity :	
Barometric Pressure.(mm Hg)	: 758	a) Rated	:
Velocity of Gas flow (m/s)	: 10.80	b) Running	:
Quantity of Gas flow (Nm³/hr)	: 48779.37	Load : a) Rated	:
Pressure	:	b) Running	:

### C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	: 16.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	:	
03.	Carbon mono oxide (as CO) - % (V/V)	: <0.2	IS 13270:1992 (RA 2019)
04.	Carbon di oxide (as CO₂) - % (V/V)	: <0.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

- Note:
- 1 # Information provided by customer
  - 2 Sample is drawn by M/s. Indicative Consultant India.
  - 3 Sample submitted and identified by customer as: NA
  - 4 Test results shown in this test report relate only to the sample (s) only.
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  - 7 Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - 8 Retention period of tested samples (Thimbles) is 180 days from the date of issue unless otherwise specified.
  - 9 Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970  
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Towards Sustainable Growth



# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

9001:2015

45001:2018

## TEST REPORT

Date: 01.04.2023	Report No: ICI/HLA/TC-318/2023	Format No: ICI/FM/H/58
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist: Murshidabad, PIN - 742212, West Bengal	Sampling Date
#Customer Representative Name & Contact Number	Mr. Rohit Kumar Mob. No. +91- 6280011726	Sampling Time
#Work Order No.	2800946500/NE18, Dtd. 21.03.2023	Analysis Start Date
#Sample Description	STACK AIR	Analysis complete Date
#Location	MILL VENTING	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

### A. # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	Circular
Stack attached to	MILL VENTING	Material of Construction	M.S
Emission due to	Process Activity	Stack ID at sampling point (M)	0.82
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)	35.00
Sulphur Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt)	-	c) Ht. of sampling port from GL(M)	31.80
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)	36	Steam Generation Capacity:	
Barometric Pressure (mm Hg)	758	a) Rated	-
Velocity of Gas flow (m/s)	12.18	b) Running	-
Quantity of Gas flow (Nm³/hr)	22292.25	Load:	
Pressure	-	a) Rated	-
		b) Running	-

### C. # RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	17.0	IS 11255 (Part -1): 1985
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	(RA 2019)
03.	Carbon mono oxide (as CO) - % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	Carbon di oxide (as CO₂) - % (V/V)	<0.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

- Note:
1. # Information provided by customer
  2. Sample is drawn by M/s. Indicative Consultant India.
  3. Sample submitted and identified by customer as: N/A
  4. Test results shown in this test report relate only to the sample (s) only.
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  7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  8. Retention period of tested samples (Thimbles) is 180 days from the date of issue unless otherwise specified.
  9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1

**CENTRAL LABORATORY :** HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973  
**KOLKATA LABORATORY :** B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970  
**WEBSITE :** www.indicativeconsultantindia.com

Towards Sustainable Growth





# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

## TEST REPORT

Date: 01.04.2023	Report No: ICI/HLA/TC-319/2023	Format No: ICI/FM/11/58
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2023/A-319
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist: Murshidabad, PIN - 742212, West Bengal	Sampling Date : 27.03.2023
#Customer Representative Name & Contact Number	Mr. Rohit Kumar Mob. No. +91- 6280011726	Sampling Time : 12:00 PM
#Work Order No.	2800946500/NE18, Dtd. 21.03.2023	Analysis Start Date : 31.03.2023
#Sample Description	STACK AIR	Analysis complete Date : 31.03.2023
#Location	AUXILARY STACK	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

**A.1 # GENERAL INFORMATION ABOUT STACK:**

Particulars of the Plant	Stack attached to : AUXILARY STACK	Shape of Stack : Circular
Emission due to	Process Activity	Material of Construction : MS
Fuel Used		Stack ID at sampling point (M) : 0.70
Rated Fuel Consumption		At Bottom (M) : -
Working Fuel Consumption		At Top (M) : -
Calorific Value(Kcal/kg)		Height Details :
Sulphur Content (% by Wt)		a) Total Ht. Of stack from GL(M) : 35.00
Ash Content (% by Wt)		b) Total Ht. Of stack from RL(M) : -
Pollution Control Device	BAG FILTER	c) Ht. of sampling port from GL(M) : 31.80
Whether Stack is provided with permanent Platform / Ladder	YES	d) Ht. of port from disturbance zone (M) : -

**B.1 PHYSICAL DATA:**

Flue Gas Temperature (°C)	38	Stream Generation Capacity :
Barometric Pressure (mm Hg)	758	a) Rated : -
Velocity of Gas flow (m/s)	14.11	b) Running : -
Quantity of Gas flow (Nm³/hr)	18700.54	Load : a) Rated : -
Pressure	-	b) Running : -

**C.1 RESULT OF SAMPLING:**

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	15.0	IS 11245 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	Carbon mono oxide (as CO) - % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	Carbon di oxide (as CO₂) - % (V/V)	<0.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

- Note:
- 1 # Information provided by customer
  - 2 Sample is drawn by M/s. Indicative Consultant India.
  - 3 Sample submitted and identified by customer as: NA
  - 4 Test results shown in this test report relate only to the sample (s) only.
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  - 8 Retention period of tested samples (Thimbles) is 180 days from the date of issue unless otherwise specified.
  - 9 Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1

**CENTRAL LABORATORY :** HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973  
**KOLKATA LABORATORY :** B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970  
**WEBSITE :** www.indicativeconsultantindia.com

Towards Sustainable Growth



# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

## TEST REPORT

Date: 01.04.2023	Report No: ICI/HL/A/TC-320/2023	Format No: ICI/FM/H/S8
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No : 2023/A-320
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist:Murshidabad, PIN - 742212, West Bengal	Sampling Date : 27.03.2023
#Customer Representative Name & Contact Number	Mr. Rohit Kumar Mob. No. +91- 6280011726	Sampling Time : 03:00 PM
#Work Order No.	2800946500/NE18, Dtd. 21.03.2023	Analysis Start Date : 31.03.2023
#Sample Description	STACK AIR	Analysis complete Date : 31.03.2023
#Location	WAGON TIPPLER	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

### A. # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		
Stack attached to	WAGON TIPPLER	Shape of Stack : Circular
Emission due to	Process Activity (Tripping of Clinker)	Material of Construction : M.S
Fuel Used	-	Stack ID at sampling point (M) : 2.10
Rated Fuel Consumption	-	At Bottom (M) : -
Working Fuel Consumption	-	At Top (M) : -
Calorific Value (Kcal/kg)	-	Height Details :
Sulphur Content (% by Wt)	-	a) Total Ht. Of stack from GL(M) : 19.10
Ash Content (% by Wt.)	-	b) Total Ht. Of stack from RL(M) : -
Pollution Control Device	BAG FILTER	c) Ht. of sampling port from GL(M) : 12.63
Whether Stack is provided with permanent Platform / Ladder : YES		d) Ht. of port from disturbance zone (M) : -

### B. PHYSICAL DATA:

Flue Gas Temperature (°C)	42	Steam Generation Capacity :
Barometric Pressure, (mm Hg)	758	a) Rated : -
Velocity of Gas flow (m/s)	8.70	b) Running : -
Quantity of Gas flow (Nm³/hr)	102426.50	Load : a) Rated : -
Pressure	-	b) Running : -

### C. RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	20.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	Carbon mono oxide (as CO) - % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	Carbon di oxide (as CO₂) - % (V/V)	<0.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mohd

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 (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note:
- 1 # Information provided by customer
  - 2 Sample is drawn by M/s. Indicative Consultant India.
  - 3 Sample submitted and identified by customer as: NA
  - 4 Test results shown in this test report relate only to the sample (s) only.
  - 5 The test results referred in test report are based on observations & measurements under the stated environmental conditions.
  - 6 The reproduction of the report except in full is invalid without written approval of the laboratory.
  - 7 Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
  - 8 Retention period of tested samples (Thimbles) is 180 days from the date of issue unless otherwise specified.
  - 9 Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602  
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973  
KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshila, Kolkata-700142, Mob. : 7797245819, 7797506970  
WEBSITE : www.indicativeconsultantindia.com



# INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL: [indicativeconsultantindia@gmail.com](mailto:indicativeconsultantindia@gmail.com) / [indicativeconsultantindia.kol@gmail.com](mailto:indicativeconsultantindia.kol@gmail.com)

## TEST REPORT

Date: 01.04.2023	Report No: ICI/HIA/TC-321/2023	Format No: ICI/FM/H/58	
Customer Name	M/s. AMBUJA CEMENTS LTD. (UNIT - FARAKKA)	Sample ID No	
Address	Vill : Kendua, P.O.: Srimantapur, PS: Farakka, Dist: Murshidabad, PIN - 742212, West Bengal	Sampling Date	
#Customer Representative Name & Contact Number	Mr. Rohit Kumar Mob. No. +91- 6280011726	Sampling Time	
#Work Order No.	2800946500/NE18, Dtd. 21.03.2023	Analysis Start Date	
#Sample Description	STACK AIR	Analysis complete Date	
#Location	PACKER (MAIN) BAG FILTER		
Sample Condition	In Glass Microfiber Thimble		
Sampling Method	CPCB, Emission Regulation (Part III)		
<b>A.) # GENERAL INFORMATION ABOUT STACK:</b>			
Particulars of the Plant	Stack attached to	Shape of Stack	
	PACKER (MAIN) BAG FILTER	Circular	
Emission due to	Cement Packing Process Activity	Material of Construction	
		M.S	
Fuel Used		Stack ID at sampling point (M)	
Rated Fuel Consumption		At Bottom (M)	
Working Fuel Consumption		At Top (M)	
Calorific Value (Kcal/kg)		Height Details :	
Sulphur Content (% by Wt)		a) Total Ht. Of stack from GL (M)	
Ash Content (% by Wt)		b) Total Ht. Of stack from RL (M)	
Pollution Control Device	BAG FILTER	c) Ht. of sampling port from GL (M)	
Whether Stack is provided with permanent Platform / Ladder : YES		d) Ht. of port from disturbance zone (M)	
<b>B.) PHYSICAL DATA:</b>			
Flue Gas Temperature (°C)	48	Steam Generation Capacity :	
Barometric Pressure, (mm Hg)	758	a) Rated	
Velocity of Gas flow (m/s)	8.01	b) Running	
Quantity of Gas flow (Nm³/hr)	20983.82	Load : a) Rated	
Pressure		b) Running	
<b>C.) RESULT OF SAMPLING:</b>			
Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	18.0	IS 11255 (Part-1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)		
03.	Carbon mono oxide (as CO) - % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	Carbon di oxide (as CO₂) - % (V/V)	<0.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Choudhary  
(Quality Manager)  
Parbati Choudhary  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)  
Estimated Uncertainty: Not Required

- Note:
1. Information provided by customer
  2. Sample is drawn by M/s. Indicative Consultant India.
  3. Sample submitted and identified by customer as: NA
  4. Test results shown in this test report relate only to the sample (s) only.
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  9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1

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Towards Sustainable Growth

# Annexure -5

## গণবিজ্ঞপ্তি

অম্বুজা সিমেন্টস লিমিটেড নামক কোম্পানি তাহাদের কারাঙ্কা সিমেন্ট কারখানাটি, যাহা কিনা গ্রাম : কেন্দ্রা, পোঃ শ্রীমন্তপুর, থানা : কারাঙ্কা, 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 কারাঙ্কা অবস্থিত কারখানাটিকে তাহাদের বর্তমান উৎপাদন ক্ষমতা-0.96 MTPA হইতে বর্ধিত করিয়া 1.25 MTPA উৎপাদন ক্ষমতা ধার্য করিয়াছে।

উক্ত বৃদ্ধিকরণ হেতু পরিবেশগত ছাড়পত্র সমস্তরকম প্রমাণ্য দলিল/দস্তাবেজ তথা তৎসম্পর্কিত সর্বপ্রকার কাগজপত্র, যাহা কিনা, উক্ত কোম্পানি দ্বারা SEIAA-এর নিকট পেশকৃত তথা সর্বপ্রকার প্রশ্নের 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।

Advt

The Statesman

ENVIS/JC Notice

Environmental Clearance to M/s. Ambuja Cements Ltd. Unit Farakka at VDI Kendra, P.O. Srirampur, PS Farakka, Dist. Murshidabad, Pin-742212, West Bengal for the proposed capacity enhancement of the existing Cement Grinding Unit.

Ambuja Cements 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 consideration of the relevant documents submitted by Ambuja Cements Ltd. and additional justification 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>

(30063)

30/01/10