Ambuja Cement

ACL/SK/ENV/05-23/30 Date:30th May, 2023

To
The Ministry of Environment Forest & Climate Change
Eastern Regional Office,
A/3, Chandrasekharpur,
Bhubaneswar – 751023, Odissa

Sub: Submission of Six-Monthly Compliance Report towards Environment Clearance dated 23.06.2011 for the period October'22 to March'23

Ref: EC letter no. J-11011/547/2010-IA-II (I) dated 23.06.2011

Dear Sir,

Kindly find the six-monthlyEC compliance status report for the period October'22 to March'23 as per EC condition along with supporting documents.

Thanking You,
Yours faithfully

For **Ambuja Cements Ltd**
(Unit: Sankrail)

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

(Kaushal Kumar Mishra)
Plant Head

CC: 1) The Scientist D, **CPCB** Zonal Office, South End Conclave, Block 508,1582 Rajdanga Main Rd, Kolkata - 700707.
2) Sr. SEE (EIM), **WBPCB**, Paribesh Bhavan, Salt lake, Kolkata-700098

Compliance Status of Environmental Clearance Conditions accorded by MoEF for existing Cement grinding unit of capacity 2.4 MTPA at Village Jala Dhulagori, Tehsil Sankrail, District- Howrah in West Bengal of M/S Ambuja Cements Limited.

Ref. No. J-11011/547/2010-IA-II (I) dated 23.06.2011

A	Specific Condition	
	Condition	Status of Compliance
i	Particulate emissions shall be controlled within 50 mg/Nm3 by installing adequate air pollution control system viz. Bag filters and stacks of adequate height etc. Data on ambient air, fugitive and stack emissions shall be submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB regularly.	As per MoEF & CC Notification dated 10th May 2016, particulate matter Emission is maintained below the 30 mg / Nm^3 in all stacks by installing Bag house in Roller press & Bag filter in all remaining stacks. Stack monitoring is provided in *Annexure I.* Ambient Air data is provided in *Annexure II.* Fugitive emission data is provided in *Annexure III.*
Ii	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be followed	One continuous Ambient Air quality monitoring station installed, data of which continuously transmitted to CPCB server. Apart from this NABL accredited external agencies approved by WBPCB are also engaged to carry out the AAQ monitoring at four quadrant of the plant premise. Ambient Air data is provided in *Annexure II.*
iii	Gaseous emissions including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB should be followed	Since Ambuja Cements Limited, Unit : Sankrail is a grinding unit hence there is no occurrence of gaseous emission.
iv	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas. All the raw material stock piles should be covered. A closed clinker stockpile system shall be provided. All conveyors should be covered with GI sheets. Covered sheds for storage raw materials and fully covered conveyors for transportation of materials shall be provided besides coal, cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling	The company has adequate measures to control fugitive dust emission. 1. All transfer points and storage silos are provided with dust collection and extraction systems (Bag filters) for effective control of fugitive emissions.(Annexure VIII, Figure 1.1 to 1,4) 2. Clinker is stored inside 02 no. Silos of 25,000 MT each (Annex-VIII: Figure 2.1). 3. Fly-Ash is stored inside a 4000 MT Silo. – (Annex-VIII: Figure 2.3). Fly Ash is handled through Pneumatic system (Annex-VIII: Figure 5.2) 4. Raw materials like Gypsum/Slag Stock are stored under covered shed (Annex-VIII: Figure 3.1). Rest covered with proper tarpaulin (Annexure VIII, Figure 3.2) 5. Finished Cement is stored in 4 no. Cement Silos of 5,000 MT (Annex-VIII: Figure 2.2). 6. Clinker is transported by rake with proper tarpaulin covered (Annexure VIII- figure 4.1). Fly ash is transported by Closed bulkers (Annexure VIII- Figure 4.2) 7. All conveyors are covered with GI sheets (Annex-VIII: Figure 1.1 to 1.4) to avoid any secondary fugitive dust emission. Raw Mill is not installed at Sankrail plant, since it is a cement grinding unit.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

v	Asphalting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard	All internal roads and open areas in the plant area are concreted / pitched and vehicle movement is allowed only through specific routes for control of secondary fugitive dust emissions. *(Annexure VIII- Figure 6.1 to 6.3)* Automatic road sweeping machine and Water sprinkler is used for housekeeping and dust suppression respectively throughout the critical areas such as at the raw material stock yards, cement bag loading areas, truck yard and roads. Photograph of Bag Filter, water sprinkler arrangement and mobile road sweeping machine is provided in *(Annexure VIII- Figure 6.1 to 6.3)* Pedestrian Pathway (Annex-VIII: Figure 6.1) inside the factory premises are constructed to ensure safe vehicular movement beside concreted road (Annex-VIII: Figure 7.1).
vi	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and should not be overloaded. Vehicular emissions should be regularly monitored	Clinker, Slag and conditioned fly ash are transported to the plant using railway transportation (Annex-VIII: Figure 4.1, 5.1) Dry Fly-ash is transported through closed bulkers only and overloaded quantity is not allowed. (Annex-VIII: Figure 4.2, 5.2). Vehicular Emission is regularly monitored at main gate through checking of vehicle Pollution Certificate under PUC norms.
vii	Total ground water requirement shall not exceed 270 m^3/day and necessary permission from the competent authority for the drawl of water shall be obtained. Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated wastewater should be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge should be adopted.	Ground water consumed for the period is within 270 m^3 per day and continuous efforts are made for water conservation through developing STP water utilization. Permission obtained from Ground Water Resource Development Authority, Govt. of West Bengal. Permit No. P0609002010740000001TLE dt. 21.06.2011 & P0609002019630000001TSE dt. 13/02/2012 for 180 m^3/day & 90 m^3/day drawn of ground water through borewells. The copies of the permissions are provided in Annexure IV & V. Waste water treatment scheme is based on "Zero Discharge" concept. Waste water is recycled and reused to minimize fresh water usage. Present treated water discharged from STP being used for gardening & dust suppression within plant boundary. (Annex-VIII: Figure 7.4). Cement grinding process is a dry process hence no process waste water is generated.
viii	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources	For the purpose of Roof top rain water harvesting we have made a provision in colony building roof top.
ix	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process used for cement manufacturing. Spent oil and batteries should be sold to authorized recyclers / re-processors only	All the bag filter dust, clinker dust and cement dust from pollution control devices are recycled and reused in the process used for cement manufacturing. Spent oil is sold to authorized recyclers / re-processors only. Batteries are recycled under buy-back scheme by the

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

		suppliers. Manifest Form -10 is attached.(Annexure -IX)
x	Green belt shall be developed in at least 33% area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO	A proper green belt is developed in our existing factory premises. Out of the total existing plant area i.e. 60.4 Acre, 20.9 Acre area (34.60%) has already been developed into green belt. Continuous effort is being made to develop more of area into plantation- in last six months, we have planted 100 local species [Akashmoni, Debdaru] as per guidelines. Survival rate is 90%.
xi	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner	For this period from October-2022 to March-2023, we have incurred Rs. 57.5 Lakh towards CSR. Details attached in Annexure X.
B	**General Condition**	
i	The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board and the State Government	Noted.
ii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests	Noted.
iii	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location	Since it is a cement grinding unit no gaseous emission occurred during process
iv	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO_2 and NO_X are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months	Stack emission [Annexure-I] & Ambient air quality [Annexure-II] data measured by third party are submitted along with this report.
v	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose	No industrial waste water is generated as this is a cement grinding unit, which has a dry process plant. Domestic waste water is collected in sewage treatment plant [zero discharge concepts] and recycled and reused to minimize fresh water usage. Present water discharged from STP being used for gardening & dust suppression within plant boundary for which three 20KL tank has been installed to collect the water and further using through water tanker for dust suppression. (Annex-VIII: Figure 7.4). STP water analysis report attached in Annexure VI.
vi	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing	The overall noise levels are monitored in and around the plant area and are within the prescribed limits. Proper

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

	noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime)	noise control measures are used in plant area and PPE are used for more than five minutes exposure of high noise area.
vii	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act	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.
viii	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table	Ground water recharging is not permissible as per the NoC of West Bengal Pollution Control Board. Water savings done through Systematic Rice Intensification (SRI) cultivation and Rain water harvesting by digging pond in villages by Ambuja Cement Foundations.
ix	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply & health care etc	Noted. Photographs along with detailed activities are attached in Annexure X.
x	As proposed, Rs 2.0 Crores and Rs. 0.20 Crores shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose	Total expenditure towards pollution control measure and environment upkeepment is INR.22 Lakhs during Oct'22 to March'23
xi	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent	The copies of clearance letter from Gram Panchayat has been attached as Annexure-XI No suggestion is received from the above bodies. The clearance letter has also been put in company website.
xii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain	We are uploading EC compliance report along with results of all monitored data to our company website. A complete set of the same is also being forwarded to concerned authority. Online CAAQMS has been installed and started operation from the month of April 2012. Data has been continuously uploaded in CPCB server. The critical parameters are displayed on the main gate of the company. SO_2, NOx data of ambient measured by third party are attached in Ambient air report , Annexure-II
xiii	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored	Noted

Sankrail Grinding Unit W.B Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

	data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / SPCB shall monitor the stipulated conditions	
xiv	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.	The Form-V for the year ended 31st March 2022 has been submitted to West Bengal Pollution Control Board on 22/06/2022 It has been uploaded in website also and already submitted with last report.
xv	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http:/envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Bhubaneswar	Newspaper publications on 29th June 2011 are enclosed in Annexure VII.
xvi	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work	The copy of NoC has been sent to MoEF and Regional Office on dt 26/12/2011.

AMBUJA CEMENTS LTD
Sankrail Grinding Unit
W.B
Pin-711302
P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

Annexure – I

Stack Monitoring Report

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail . rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1652 | Date: April 01, 2023 |

Issued to	**: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)**
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin . 711302, West Bengal, India.

Your Ref. PO No.	: 2800903832, dtd. 25.06.2022	***Parameters Tested***
Sample Description	: Stack Gas	***Physical*** : Temp., Velocity, Gas flow
Date & time of sampling	: 28.03.2023 at 04:00 P.M. to 04:36 P.M.	***Chemical :*** CO, CO_2 & PM
Test Completed on	: 01.04.2023	

A. General information about stack :

1. Stack connected to : Packer - 1
2. Emission due to : Cement Packing
3. Material of construction of stack : M.S
4. Shape of stack : Circular
5. Whether stack is provided with permanent platform & ladder : Yes

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 30.0 M (b) from roof level : ---
2. Diameter of the stack (a) at bottom : --- (b) at top : 1.0 M
3. Diameter of the stack at sampling point : 1.0 M
4. No. of Traverse point : 12 Nos.
5. Height of the sampling point from GL : 21.0 M

C. Analysis / Characteristic of stack :

1. Fuel used : Nil 2. Fuel consumption : Nil

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 758 mmHg.
Volume of Gas Sample : 1116 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	37
2.	Velocity of gas in duct	IS 11255 : Part 3 : 2008	m/sec	6.71
3.	Quantity of gas flow	IS 11255 : Part 3 : 2008	NM^3/hr	17661

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per CPCB
1.	Carbon monoxide	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
2.	Carbon dioxide	IS 13270 (By Orsat): 1992	% v/v	0.4	Not Available
3.	Particulate Matters	IS 11255 : Part 1 : 1985	mg/Nm^3	10	30 max.

F. Pollution control device

Details of pollution control devices attached with the stack : Bag Filter.

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

BB

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori P.S.-Sankrail Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447

E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com

CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1653 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.

Your Ref. PO No.	: 2800903832, dtd. 25.06.2022	***Parameters Tested***
Sample Description	: Stack Gas	***Physical :*** Temp., Velocity, Gas flow
Date & time of sampling	: 28.03.2023 at 11:40 A.M. to 12:16 P.M.	***Chemical :*** CO, CO_2 & PM
Test Completed on	: 01.04.2023	

A. General information about stack :

1. Stack connected to : Packer - 2
2. Emission due to : Cement Packing
3. Material of construction of stack : M.S
4. Shape of stack : Circular.
5. Whether stack is provided with permanent platform & ladder : Yes

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 30.0 M (b) from roof level : ---
2. Diameter of the stack (a) at bottom : --- (b) at top : 1.0 M
3. Diameter of the stack at sampling point : 1.0 M
4. No. of Traverse point : 12 Nos.
5. Height of the sampling point from GL : 21.0 M

C. Analysis / Characteristic of stack :

1. Fuel used : Nil 2. Fuel consumption : Nil

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 758 mmHg.
Volume of Gas Sample : 1152 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	36
2.	Velocity of gas in duct	IS 11255 : Part 3 : 2008	m/sec	7.04
3.	Quantity of gas flow	IS 11255 : Part 3 : 2008	NM^3/hr	18594

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per CPCB
1.	Carbon monoxide	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
2.	Carbon dioxide	IS 13270 (By Orsat): 1992	% v/v	0.2	Not Available
3.	Particulate Matters	IS 11255 : Part 1 : 1985	mg/Nm^3	12	30 max.

F. Pollution control device

Details of pollution control devices attached with the stack : Bag Filter.

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1654 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.
Your Ref. PO No.	: 2800903832, dtd. 25.06.2022
Sample Description	: Stack Gas
Date & time of sampling	: 28.03.2023 at 12:40 P.M. to 01:32 P.M.
Test Completed on	: 01.04.2023

Parameters Tested

Physical : Temp., Velocity, Gas flow

Chemical : CO, CO_2 & PM

A. General information about stack :

1. Stack connected to : Packer - 3
2. Emission due to : Cement Packing
3. Material of construction of stack : M.S
4. Shape of stack : Circular.
5. Whether stack is provided with permanent platform & ladder : Sample was taken from roof top.

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 36.5 M (b) from roof level : ---
2. Diameter of the stack (a) at bottom : --- (b) at top : 1.1 M
3. Diameter of the stack at sampling point : 1.1 M
4. No. of Traverse point : 12 Nos.
5. Height of the sampling point from GL : 34.5 M

C. Analysis / Characteristic of stack :

1. Fuel used : Nil
2. Fuel consumption : Nil

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 758 mmHg.
Volume of Gas Sample : 1040 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	35
2.	Velocity of gas in duct	IS 11255 : Part 3 : 2008	m/sec	9.86
3.	Quantity of gas flow	IS 11255 : Part 3 : 2008	NM^3/hr	31634

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per CPCB
1.	Carbon monoxide	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
2.	Carbon dioxide	IS 13270 (By Orsat): 1992	% v/v	0.4	Not Available
3.	Particulate Matters	IS 11255 : Part 1 : 1985	mg/Nm^3	09	30 max.

F. Pollution control device

Details of pollution control devices attached with the stack : Bag Filter.

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

BB

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN . U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1655 | Date:April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.	
Your Ref. PO No.	: 2800903832, dtd. 25.06.2022	***Parameters Tested***
Sample Description	: Stack Gas	***Physical :*** Temp., Velocity, Gas flow
Date & time of sampling	: 28.03.2023 at 02:30 P.M. to 03:22 P.M.	***Chemical :*** CO, CO_2 & PM
Test Completed on	: 01.04.2023	

A. General information about stack :

1. Stack connected to : Packer - 4
2. Emission due to : Cement Packing
3. Material of construction of stack : M.S
4. Shape of stack : Circular.
5. Whether stack is provided with permanent platform & ladder : Yes.

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 36.5 M (b) from roof level : ---
2. Diameter of the stack (a) at bottom : --- (b) at top : 1.1 M
3. Diameter of the stack at sampling point : 1.1 M
4. No. of Traverse point : 12 Nos.
5. Height of the sampling point from GL : 35.5 M

C. Analysis / Characteristic of stack :

1. Fuel used : Nil 2. Fuel consumption : Nil

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 758 mmHg.
Volume of Gas Sample : 1040 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	36
2.	Velocity of gas in duct	IS 11255:Part 3:2008	m/sec	9.58
3.	Quantity of gas flow	IS 11255:Part 3:2008	NM^3/hr	30627

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per CPCB
1.	Carbon monoxide	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
2.	Carbon dioxide	IS 13270 (By Orsat): 1992	% v/v	0.2	Not Available
3.	Particulate Matters	IS 11255 : Part 1 : 1985	mg/Nm^3	11	30 max.

F. Pollution control device

Details of pollution control devices attached with the stack : Bag Filter.

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

BB

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1665 | **Date: April 01, 2023** |

Issued to	: **M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)**	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.	
Your Ref. PO No.	: 2800903832, dtd. 25.06.2022	***Parameters Tested***
Sample Description	: Stack Gas	***Physical*** : Temp., Velocity, Gas flow
Date & time of sampling	: 30.03.2023 at 11:00 A.M. to 11:32 A.M.	***Chemical :*** CO, CO_2 & PM
Test Completed on	: 01.04.2023	

A. General information about stack :

1. Stack connected to : Cement Mill No.-1 (Hopper)
2. Emission due to : Material Transferring
3. Material of construction of stack : M.S
4. Shape of stack : Circular
5. Whether stack is provided with permanent platform & ladder : Yes

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 30.0 M (b) from roof level : ---
2. Diameter of the stack (a) at bottom : --- (b) at top : 0.60 M
3. Diameter of the stack at sampling point : 0.60 M
4. No. of Traverse point : 8 Nos.
5. Height of the sampling point from GL : 22.2 M

C. Analysis / Characteristic of stack :

1. Fuel used : Nil 2. Fuel consumption : Nil

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 758 mmHg.
Volume of Gas Sample : 1088 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	36
2.	Velocity of gas in duct	IS 11255:Part 3:2008	m/sec	16.57
3.	Quantity of gas flow	IS 11255:Part 3:2008	NM^3/hr	15750

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per CPCB
1.	Carbon monoxide	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
2.	Carbon dioxide	IS 13270 (By Orsat): 1992	% v/v	0.4	Not Available
3.	Particulate Matters	IS 11255 : Part 1 : 1985	mg/Nm^3	13	30 max.

F. Pollution control device

Details of pollution control devices attached with the stack : Bag Filter.

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

BB

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447

E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com

CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1666 | Date:April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.
Your Ref. PO No.	: 2800903832, dtd. 25.06.2022
Sample Description	: Stack Gas
Date & time of sampling	: 30.03.2023 at 12:00 P.M. to 12:32 P.M.
Test Completed on	: 01.04.2023

Parameters Tested

Physical : Temp., Velocity, Gas flow

Chemical : CO, CO_2 & PM

A. General information about stack :

1. Stack connected to : Cement Mill No.-2 (Hopper)
2. Emission due to : Material Transferring
3. Material of construction of stack : M.S
4. Shape of stack : Circular
5. Whether stack is provided with permanent platform & ladder : Yes

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 30.0 M (b) from roof level : ---
2. Diameter of the stack (a) at bottom : — (b) at top : 0.60 M
3. Diameter of the stack at sampling point : 0.60 M
4. No. of Traverse point : 8 Nos.
5. Height of the sampling point from GL : 22.2 M

C. Analysis / Characteristic of stack :

1. Fuel used : Nil
2. Fuel consumption : Nil

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 758 mmHg.

Volume of Gas Sample : 1120 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	38
2.	Velocity of gas in duct	IS 11255:Part 3:2008	m/sec	17.17
3.	Quantity of gas flow	IS 11255:Part 3:2008	NM^3/hr	16220

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per CPCB
1.	Carbon monoxide	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
2.	Carbon dioxide	IS 13270 (By Orsat): 1992	% v/v	0.4	Not Available
3.	Particulate Matters	IS 11255 : Part 1 : 1985	mg/Nm^3	18	30 max.

F. Pollution control device

Details of pollution control devices attached with the stack : Bag Filter.

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

BB

★ The test report shall not be reproduced, except in full, without written approval of the Company.

★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1667 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.
Your Ref. PO No.	: 2800903832, dtd. 25.06.2022
Sample Description	: Stack Gas
Date & time of sampling	: 29.03.2023 at 02:00 P.M. to 02:36 P.M.
Test Completed on	: 01.04.2023

Parameters Tested

Physical : Temp., Velocity, Gas flow

Chemical : CO, CO_2 & PM

A. General information about stack :

1. Stack connected to : Cement Mill No.-1 (Mill Venting)
2. Emission due to : Cement Grinding
3. Material of construction of stack : M.S
4. Shape of stack : Circular
5. Whether stack is provided with permanent platform & ladder : Yes

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 32.0 M (b) from roof level : ---
2. Diameter of the stack (a) at bottom : --- (b) at top : 1.05 M
3. Diameter of the stack at sampling point : 1.05 M
4. No. of Traverse point : 12 Nos.
5. Height of the sampling point from GL : 22.6 M

C. Analysis / Characteristic of stack :

1. Fuel used : Nil 2. Fuel consumption : Nil

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 758 mmHg.
Volume of Gas Sample : 1152 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	68
2.	Velocity of gas in duct	IS 11255:Part 3:2008	m/sec	7.62
3.	Quantity of gas flow	IS 11255:Part 3:2008	NM^3/hr	20088

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per CPCB
1.	Carbon monoxide	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
2.	Carbon dioxide	IS 13270 (By Orsat): 1992	% v/v	0.4	Not Available
3.	Particulate Matters	IS 11255 : Part 1 : 1985	mg/Nm^3	15	30 max.

F. Pollution control device

Details of pollution control devices attached with the stack : Bag Filter.

Report Verified by
S. Mondal

-: END OF TEST REPORT :-

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

BB

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447

E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com

CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1668 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.
Your Ref. PO No.	: 2800903832, dtd. 25.06.2022
Sample Description	: Stack Gas
Date & time of sampling	: 29.03.2023 at 03:00 P.M. to 03:30 P.M.
Test Completed on	: 01.04.2023

Parameters Tested

Physical : Temp., Velocity, Gas flow

Chemical : CO, CO_2 & PM

A. General information about stack :

1. Stack connected to : Cement Mill No.-2 (Mill Venting)
2. Emission due to : Cement Grinding
3. Material of construction of stack : M.S
4. Shape of stack : Circular
5. Whether stack is provided with permanent platform & ladder : Yes

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 32.0 M (b) from roof level : ---
2. Diameter of the stack (a) at bottom : --- (b) at top : 1.05 M
3. Diameter of the stack at sampling point : 1.05 M
4. No. of Traverse point : 12 Nos.
5. Height of the sampling point from GL : 22.6 M

C. Analysis / Characteristic of stack :

1. Fuel used : Nil 2. Fuel consumption : Nil

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 758 mmHg.

Volume of Gas Sample : 1080 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	84
2.	Velocity of gas in duct	IS 11255:Part 3:2008	m/sec	9.08
3.	Quantity of gas flow	IS 11255:Part 3:2008	NM^3/hr	22886

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per CPCB
1.	Carbon monoxide	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
2.	Carbon dioxide	IS 13270 (By Orsat): 1992	% v/v	0.4	Not Available
3.	Particulate Matters	IS 11255 : Part 1 : 1985	mg/Nm^3	17	30 max.

F. Pollution control device

Details of pollution control devices attached with the stack : Bag Filter.

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

BB

★ The test report shall not be reproduced, except in full, without written approval of the Company.

★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1669 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.
Your Ref. PO No.	: 2800903832, dtd. 25.06.2022
Sample Description	: Stack Gas
Date & time of sampling	: 29.03.2023 at 12:15 P.M. to 01:09 P.M.
Test Completed on	: 01.04.2023

Parameters Tested

Physical : Temp., Velocity, Gas flow

Chemical : CO, CO_2 & PM

A. General information about stack :

1. Stack connected to : Cement Mill No.-2 (OSEPA)
2. Emission due to : Cement Grinding
3. Material of construction of stack : M.S
4. Shape of stack : Circular
5. Whether stack is provided with permanent platform & ladder : Yes

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 32.0 M (b) from roof level : ---
2. Diameter of the stack (a) at bottom : --- (b) at top : 1.05 M
3. Diameter of the stack at sampling point : 1.05 M
4. No. of Traverse point : 12 Nos.
5. Height of the sampling point from GL : 22.6 M

C. Analysis / Characteristic of stack :

1. Fuel used : Nil
2. Fuel consumption : Nil

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 758 mmHg.
Volume of Gas Sample : 1080 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	81
2.	Velocity of gas in duct	IS 11255:Part 3:2008	m/sec	11.46
3.	Quantity of gas flow	IS 11255:Part 3:2008	NM^3/hr	29141

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per CPCB
1.	Carbon monoxide	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
2.	Carbon dioxide	IS 13270 (By Orsat): 1992	% v/v	0.2	Not Available
3.	Particulate Matters	IS 11255 : Part 1 : 1985	mg/Nm^3	12	30 max.

F. Pollution control device

Details of pollution control devices attached with the stack : Bag Filter.

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

BB

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447

E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com

CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1670 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.
Your Ref. PO No.	: 2800903832, dtd. 25.06.2022
Sample Description	: Stack Gas
Date & time of sampling	: 30.03.2023 at 02:00 P.M. to 02:52 P.M.
Test Completed on	: 01.04.2023

Parameters Tested

Physical : Temp., Velocity, Gas flow

Chemical : CO, CO_2 & PM

A. General information about stack :

1. Stack connected to : Roller Press
2. Emission due to : Cement Grinding
3. Material of construction of stack : M.S
4. Shape of stack : Circular
5. Whether stack is provided with permanent platform & ladder : Yes

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 71.5 M (b) from roof level : ---
2. Diameter of the stack (a) at bottom : --- (b) at top : 1.5 M
3. Diameter of the stack at sampling point : 1.5 M
4. No. of Traverse point : 12 Nos.
5. Height of the sampling point from GL : 36.0 M

C. Analysis / Characteristic of stack :

1. Fuel used : Nil 2. Fuel consumption : Nil

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 758 mmHg.

Volume of Gas Sample : 1040 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	88
2.	Velocity of gas in duct	IS 11255:Part 3:2008	m/sec	11.25
3.	Quantity of gas flow	IS 11255:Part 3:2008	NM^3/hr	57057

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per CPCB
1.	Carbon monoxide	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
2.	Carbon dioxide	IS 13270 (By Orsat): 1992	% v/v	0.6	Not Available
3.	Particulate Matters	IS 11255 : Part 1 : 1985	mg/Nm^3	14	30 max.

F. Pollution control device

Details of pollution control devices attached with the stack : Bag Filter.

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

88

★ The test report shall not be reproduced, except in full, without written approval of the Company.

★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website . www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1671 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.
Your Ref. PO No.	: 2800903832, dtd. 25.06.2022
Sample Description	: Stack Gas
Date & time of sampling	: 31.03.2023 at 11:00 A.M. to 11:48 A.M.
Test Completed on	: 01.04.2023

Parameters Tested

Physical : Temp., Velocity, Gas flow

Chemical : CO, CO_2 & PM

A. General information about stack :

1. Stack connected to : Wagon Tippler
2. Emission due to : Material transfer.
3. Material of construction of stack : M.S.
4. Shape of stack : Circular.
5. Whether stack is provided with permanent platform & ladder : Yes

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 28.0 M (Approx) (b) from roof level : ---
2. Diameter of the stack (a) at bottom : --- (b) at top : 2.10 M
3. Diameter of the stack at sampling point : 2.10 M
4. No. of Traverse point : 24 Nos.
5. Height of the sampling point from GL : ---

C. Analysis / Characteristic of stack :

1. Fuel used : Nil
2. Fuel consumption : Nil

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 757 mmHg.
Volume of Gas Sample : 1104 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	34
2.	Velocity of gas in duct	IS 11255:Part 3:2008	m/sec	11.77
3.	Quantity of gas flow	IS 11255:Part 3:2008	NM^3/hr	131625

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per CPCB
1.	Carbon monoxide	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
2.	Carbon dioxide	IS 13270 (By Orsat): 1992	% v/v	0.2	Not Available
3.	Particulate Matters	IS 11255 : Part 1 : 1985	mg/Nm^3	10	30 max.

F. Pollution control device

Details of pollution control devices attached with the stack : Bag Filter.

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

88

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447

E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com

CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1672 Date: April 01, 2023

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.
Your Ref. PO No.	: 2800903832, dtd. 25.06.2022
Sample Description	: Stack Gas
Date & time of sampling	: 31.03.2023 at 02:00 P.M. to 02:36 P.M.
Test Completed on	: 01.04.2023

Parameters Tested

Physical : Temp., Velocity, Gas flow

Chemical : O_2, SO_2, NO_2, CO, CO_2 & PM

A. General information about stack :

1. Stack connected to : DG - I
2. Emission due to : Burning of Furnace Oil
3. Material of construction of stack : M.S.
4. Shape of stack : Circular.
5. Whether stack is provided with permanent platform & ladder : Yes
6. Generator capacity : 6 MW

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 60.0 M (b) from roof level : ---
2. Diameter of the stack (a) at bottom : --- (b) at top : 1.0 M
3. Diameter of the stack at sampling point : 1.0 M
4. No. of Traverse point : 12 Nos.
5. Height of the sampling point from GL : 30.0 M

C. Analysis / Characteristic of stack :

1. Fuel used : Furnace Oil
2. Fuel consumption : 1100 Lt./hr.

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 757 mmHg.

Volume of Gas Sample : 1044 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	188
2.	Velocity of gas in duct	IS 11255 : Part 3 : 2008	m/sec	10.83
3.	Quantity of gas flow	IS 11255 : Part 3 : 2008	NM^3/hr	16808

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per Environment (Protection) Amendment Rules 2002, for > 800 kw
1.	Oxygen	IS 13270 (By Orsat): 1992	%	12.6	Not Available
2.	Sulphur Dioxide as SO_2	IS 11255 : Part 2 : 1985	mg/Nm^3	148	Not Available
3. (a)	Oxides of Nitrogen	IS 11255 : Part 7 : 2005	mg/Nm^3	161	
(b)	Oxides of Nitrogen @ 15% O_2		ppm	85	
4. (a)	Carbon Monoxide as CO	USEPA 10:2017	ppm	60	710
(b)	Carbon Monoxide @ 15% O_2		mg/Nm^3	153	
(c)	Carbon Monoxide as CO	IS 13270 (By Orsat): 1992	mg/Nm^3	108	150
5.	Carbon Dioxide as CO_2	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
6. (a)	Particulate Matters	IS 11255 : Part 1 : 1985	% v/v	7.2	Not Available
(b)	Particulate Matters @ 15% O_2		mg/Nm^3	71	
			mg/Nm^3	50	75

E. Pollution control device

Details of pollution control devices attached with the stack : Nil.

-: END OF TEST REPORT :-

Report Verified by

S. Mondal

(Dr. R. KARIM)

Technical Manager

Authorised Signatory

For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.

★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447

E-mail : rvbriggs.kolkata@gmail.com, Website . www.rvbriggs.com

CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1673 | Date: April 01, 2023 |

Issued to : M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)

Address : Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah. Sankrail, Pin : 711302, West Bengal, India.

Your Ref. PO No. : 2800903832, dtd. 25.06.2022

Sample Description : Stack Gas

Date & time of sampling : 31.03.2023 at 02:50 P.M. to 03:26 P.M.

Test Completed on : 01.04.2023

Parameters Tested

Physical : Temp., Velocity, Gas flow

Chemical : O_2, SO_2, NO_2, CO, CO_2 & PM

A. General information about stack :

1. Stack connected to : DG - II
2. Emission due to : Burning of Furnace Oil
3. Material of construction of stack : M.S.
4. Shape of stack : Circular.
5. Whether stack is provided with permanent platform & ladder : Yes
6. Generator capacity : 4 MW

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 60.0 M (b) from roof level : ---
2. Diameter of the stack (a) at bottom : --- (b) at top : 1.0 M
3. Diameter of the stack at sampling point : 1.0 M
4. No. of Traverse point : 12 Nos.
5. Height of the sampling point from GL : 30.0 M

C. Analysis / Characteristic of stack :

1. Fuel used : Furnace Oil
2. Fuel consumption : 900 Lt./hr.

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 757 mmHg.

Volume of Gas Sample : 1008 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	192
2.	Velocity of gas in duct	IS 11255 : Part 3 : 2008	m/sec	10.48
3.	Quantity of gas flow	IS 11255 : Part 3 : 2008	NM^3/hr	16136

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per Environment (Protection) Amendment Rules 2002, for > 800 kw
1.	Oxygen	IS 13270 (By Orsat): 1992	%	12.4	Not Available
2.	Sulphur Dioxide as SO_2	IS 11255 : Part 2 : 1985	mg/Nm^3	144	Not Available
3. (a)	Oxides of Nitrogen	IS 11255 : Part 7 : 2005	mg/Nm^3	180	
			ppm	96	
(b)	Oxides of Nitrogen @ 15% O_2		ppm	67	710
4. (a)	Carbon Monoxide as CO	USEPA 10:2017	mg/Nm^3	163	
(b)	Carbon Monoxide @ 15% O_2		mg/Nm^3	113	150
(c)	Carbon Monoxide as CO	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
5.	Carbon Dioxide as CO_2	IS 13270 (By Orsat): 1992	% v/v	7.4	Not Available
6. (a)	Particulate Matters	IS 11255 : Part 1 : 1985	mg/Nm^3	76	
(b)	Particulate Matters @ 15% O_2		mg/Nm^3	53	75

E. Pollution control device

Details of pollution control devices attached with the stack : Nil.

-: END OF TEST REPORT :-

Report Verified by

S. Mondal

(Dr. R. KARIM)

Technical Manager

Authorised Signatory

For R.V.BRIGGS & CO. (P) LTD.

BB

★ The test report shall not be reproduced, except in full, without written approval of the Company.

★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447

E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com

CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-FG/22-23/1674 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.
Your Ref. PO No.	: 2800903832, dtd. 25.06.2022
Sample Description	: Stack Gas
Date & time of sampling	: 31.03.2023 at 03:45 P.M. to 04:21 P.M.
Test Completed on	: 01.04.2023

Parameters Tested

Physical : Temp., Velocity, Gas flow

Chemical : O_2, SO_2, NO_2, CO, CO_2 & PM

A. General information about stack :

1. Stack connected to : DG - III
2. Emission due to : Burning of H.S.D
3. Material of construction of stack : M.S.
4. Shape of stack : Circular.
5. Whether stack is provided with permanent platform & ladder : Yes
6. Generator capacity : 1 MW

B. Physical characteristics of stack :

1. Height of the stack (a) from ground level : 60.0 M (b) from roof level : ---
2. Diameter of the stack (a) at bottom : --- (b) at top : 1.0 M
3. Diameter of the stack at sampling point : 1.0 M
4. No. of Traverse point : 12 Nos.
5. Height of the sampling point from GL : 30.0 M

C. Analysis / Characteristic of stack :

1. Fuel used : H.S.D
2. Fuel consumption : 900 Lt./hr.

D. Results of Physical Parameters of Flue Gas :

Barometric pressure : 757 mmHg.

Volume of Gas Sample : 1044 Litre

Sl No	Test Parameters	Test Method	Unit	Results
1.	Temperature of emission	IS 11255 : Part 3 : 2008	°C	196
2.	Velocity of gas in duct	IS 11255 : Part 3 : 2008	m/sec	10.91
3.	Quantity of gas flow	IS 11255 : Part 3 : 2008	NM^3/hr	16650

E. Results of gaseous emission :

Sl No	Test Parameters	Test Method	Unit	Results	Norms as per Environment (Protection) Amendment Rules 2002, for > 800 kw
1.	Oxygen	IS 13270 (By Orsat): 1992	%	12.6	Not Available
2.	Sulphur Dioxide as SO_2	IS 11255 : Part 2 : 1985	mg/Nm^3	137	Not Available
3. (a)	Oxides of Nitrogen	IS 11255 : Part 7 : 2005	mg/Nm^3	157	
			ppm	83	
(b)	Oxides of Nitrogen @ 15% O_2		ppm	59	710
4. (a)	Carbon Monoxide as CO	USEPA 10:2017	mg/Nm^3	138	
(b)	Carbon Monoxide @ 15% O_2		mg/Nm^3	98	150
(c)	Carbon Monoxide as CO	IS 13270 (By Orsat): 1992	% v/v	<0.2	Not Available
5.	Carbon Dioxide as CO_2	IS 13270 (By Orsat): 1992	% v/v	7.2	Not Available
6. (a)	Particulate Matters	IS 11255 : Part 1 : 1985	mg/Nm^3	63	
(b)	Particulate Matters @ 15% O_2		mg/Nm^3	45	75

E. Pollution control device

Details of pollution control devices attached with the stack : Nil.

-: END OF TEST REPORT :-

Report Verified by

S. Mondal

(Dr. R. KARIM)

Technical Manager

Authorised Signatory

For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.

★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

Annexure – II

Ambient Monitoring Report

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1260 | Date: April 04, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.	
Your P.O. No. Sample Description Location	: 2800903832, dtd. 25.06.2022 : Ambient Air : Near RO Plant	**Parameters Tested** $PM_{2.5}$, PM_{10}, SO_2, NO_2, O_3, NH_3, CO, Pb, Ni, As, C_6H_6 & BaP
Date of monitoring Time of sampling	: 27.03.2023 - 28.03.2023 : 10:30 A.M. - 10:30 A.M.	Test Completed on : 04.04.2023 Duration of Sampling : 24Hrs.
TEST FINDINGS:-		Barometric Presure : 758 mmHg Temperature : 34.0°c - 26.0°c

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results (Time Weighted Avg.)	Norms as per MOE & F Notification New Delhi, 16th November, 2009
1.	$PM_{2.5}$ (Size ≤ 2.5µm)	USEPA 1997a,40 CFR Part 50, Appendix L.	µg/m^3	48.8	60 (24 Hourly.)
2.	PM_{10} (Size ≤ 10µm)	IS 5182 (Part - 23): 2006	µg/m^3	82.4	100 (24 Hourly.)
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	µg/m^3	4.95	80 (24 Hourly.)
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	µg/m^3	25.1	80 (24 Hourly.)
5.	Ozone as O_3	IS 5182 (Part - 9) : 1974	µg/m^3	20.0	180 (1 Hourly.)
6.	Ammonia as NH_3	SOP No.: RVB/SOP/01/10 (Indophenol Method) Issue No. 04, Issue Date: 10.01.2018	µg/m^3	13.2	400 (24 Hourly.)
7.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	0.89	04 (1 Hourly.)
8.	Lead as Pb	IS 5182 (Part - 22): 2004	µg/m^3	0.062	1.0 (24 Hourly.)
9.	Nickel as Ni	SOP No.: RVB/SOP/01/15 (AAS Method) Issue No. 04, Issue Date: 10.01.2018	ng/m^3	6.8	20
10.	Arsenic as As	SOP No.: RVB/SOP/01/16 (AAS Method) Issue No. 04, Issue Date: 10.01.2018	ng/m^3	0.31	6.0
11.	Benzene as C_6H_6	IS 5182 (Part - 11): 2006,	µg/m^3	<1.0	5.0
12.	Benzo (a) Pyrene	IS 5182 (Part - 12): 2004,	ng/m^3	<0.5	1.0

Minimum detection Limit: Nickel: 5 ng/m^3, Arsenic: 0.25 ng/m^3, Benzene: 1 µg/m^3 & Benzo(a)Pyrene: 0.5 ng/m^3

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

BS

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit WB Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1261 | Date: April 04, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill.& P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.	
Your P.O. No.	: 2800903832, dtd. 25.06.2022	**Parameters Tested**
Sample Description	: Ambient Air	$PM_{2.5}$, PM_{10}, SO_2, NO_2, O_3, NH_3, CO, Pb, Ni, As, C_6H_6 & BaP
Location	: Near Contractor's Room	
Date of monitoring	: 27.03.2023 - 28.03.2023	Test Completed on : 04.04.2023
Time of sampling	: 10:45 A.M. - 10:45 A.M.	Duration of Sampling : 24Hrs.
TEST FINDINGS:-		Barometric Presure : 758 mmHg Temperature : 35.0°c - 26.0°c

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results (Time Weighted Avg.)	Norms as per MOE & F Notification New Delhi, 16th November, 2009
1.	$PM_{2.5}$ (Size ≤ 2.5µm)	USEPA 1997a,40 CFR Part 50, Appendix L.	µg/m^3	41.7	60 (24 Hourly.)
2.	PM_{10} (Size ≤ 10µm)	IS 5182 (Part - 23): 2006	µg/m^3	66.5	100 (24 Hourly.)
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	µg/m^3	4.6	80 (24 Hourly.)
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	µg/m^3	22.6	80 (24 Hourly.)
5.	Ozone as O_3	IS 5182 (Part - 9) : 1974	µg/m^3	16.53	180 (1 Hourly.)
6.	Ammonia as NH_3	SOP No.: RVB/SOP/01/10 (Indophenol Method) Issue No. 04, Issue Date: 10.01.2018	µg/m^3	12.4	400 (24 Hourly.)
7.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	0.88	04 (1 Hourly.)
8.	Lead as Pb	IS 5182 (Part - 22): 2004	µg/m^3	0.037	1.0 (24 Hourly.)
9.	Nickel as Ni	SOP No.: RVB/SOP/01/15 (AAS Method) Issue No. 04, Issue Date: 10.01.2018	ng/m^3	7.1	20
10.	Arsenic as As	SOP No.: RVB/SOP/01/16 (AAS Method) Issue No. 04, Issue Date: 10.01.2018	ng/m^3	0.327	6.0
11.	Benzene as C_6H_6	IS 5182 (Part - 11): 2006,	µg/m^3	<1.0	5.0
12.	Benzo (a) Pyrene	IS 5182 (Part - 12): 2004,	ng/m^3	<0.5	1.0

Minimum detection Limit: Nickel: 5 ng/m^3, Arsenic: 0.25 ng/m^3, Benzene: 1 µg/m^3 & Benzo(a)Pyrene: 0.5 ng/m^3

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

BB

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447

E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com

CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1275 | Date: April 04, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.	
Your P.O. No.	: 2800903832, dtd. 25.06.2022	Parameters Tested
Sample Description	: Ambient Air	$PM_{2.5}$, PM_{10}, SO_2, NO_2, O_3, NH_3, CO, Pb, Ni, As, C_6H_6 & BaP
Location	: Near Railway Gate	
Date of monitoring	: 29.03.2023 - 30.03.2023	Test Completed on : 04.04.2023
Time of sampling	: 09:50 A.M. - 09:50 A.M.	Duration of Sampling : 24Hrs.
		Barometric Presure : 759 mmHg Temperature : 35.0°c - 27.0°c

TEST FINDINGS:-

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results (Time Weighted Avg.)	Norms as per MOE & F Notification New Delhi, 16th November, 2009
1.	$PM_{2.5}$ (Size ≤ 2.5μm)	USEPA 1997a,40 CFR Part 50, Appendix L.	$\mu g/m^3$	46.5	60 (24 Hourly.)
2.	PM_{10} (Size ≤ 10μm)	IS 5182 (Part - 23): 2006	$\mu g/m^3$	79.4	100 (24 Hourly.)
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	$\mu g/m^3$	5.6	80 (24 Hourly.)
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	$\mu g/m^3$	29.4	80 (24 Hourly.)
5.	Ozone as O_3	IS 5182 (Part - 9) : 1974	$\mu g/m^3$	18.45	180 (1 Hourly.)
6.	Ammonia as NH_3	SOP No.: RVB/SOP/01/10 (Indophenol Method) Issue No. 04, Issue Date: 10.01.2018	$\mu g/m^3$	11.0	400 (24 Hourly.)
7.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	1.06	04 (1 Hourly.)
8.	Lead as Pb	IS 5182 (Part - 22): 2004	$\mu g/m^3$	0.035	1.0 (24 Hourly.)
9.	Nickel as Ni	SOP No.: RVB/SOP/01/15 (AAS Method) Issue No. 04, Issue Date: 10.01.2018	ng/m^3	8.8	20
10.	Arsenic as As	SOP No.: RVB/SOP/01/16 (AAS Method) Issue No. 04, Issue Date: 10.01.2018	ng/m^3	0.388	6.0
11.	Benzene as C_6H_6	IS 5182 (Part - 11): 2006,	$\mu g/m^3$	<1.0	5.0
12.	Benzo (a) Pyrene	IS 5182 (Part - 12): 2004,	ng/m^3	<0.5	1.0

Minimum detection Limit: Nickel: 5 ng/m^3, Arsenic: 0.25 ng/m^3, Benzene: 1 $\mu g/m^3$ & Benzo(a)Pyrene: 0.5 ng/m^3

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

SB

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-/815

TEST REPORT

No. AP-AAQ/22-23/1276 | Date: April 04, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)		
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.		
Your P.O. No.	: 2800903832, dtd. 25.06.2022	Parameters Tested	
Sample Description	: Ambient Air	$PM_{2.5}$, PM_{10}, SO_2, NO_2, O_3, NH_3, CO, Pb, Ni, As, C_6H_6 & BaP	
Location	: Near Transport Office		
Date of monitoring	: 29.03.2023 - 30.03.2023	Test Completed on	: 04.04.2023
Time of sampling	: 10:10 A.M. - 10:10 A.M.	Duration of Sampling	: 24Hrs.
TEST FINDINGS:-		Barometric Presure : 759 mmHg Temperature : 35.0°c - 27.0°c	

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results (Time Weighted Avg.)	Norms as per MOE & F Notification New Delhi, 16th November, 2009
1.	$PM_{2.5}$ (Size ≤ 2.5µm)	USEPA 1997a,40 CFR Part 50, Appendix L.	µg/m^3	56.3	60 (24 Hourly.)
2.	PM_{10} (Size ≤ 10µm)	IS 5182 (Part - 23): 2006	µg/m^3	90	100 (24 Hourly.)
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	µg/m^3	6.2	80 (24 Hourly.)
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	µg/m^3	30.4	80 (24 Hourly.)
5.	Ozone as O_3	IS 5182 (Part - 9) : 1974	µg/m^3	15.90	180 (1 Hourly.)
6.	Ammonia as NH_3	SOP No.: RVB/SOP/01/10 (Indophenol Method) Issue No. 04, Issue Date: 10.01.2018	µg/m^3	9.8	400 (24 Hourly.)
7.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	1.08	04 (1 Hourly.)
8.	Lead as Pb	IS 5182 (Part - 22): 2004	µg/m^3	0.034	1.0 (24 Hourly.)
9.	Nickel as Ni	SOP No.: RVB/SOP/01/15 (AAS Method) Issue No. 04, Issue Date: 10.01.2018	ng/m^3	<5	20
10.	Arsenic as As	SOP No.: RVB/SOP/01/16 (AAS Method) Issue No. 04, Issue Date: 10.01.2018	ng/m^3	0.246	6.0
11.	Benzene as C_6H_6	IS 5182 (Part - 11): 2006,	µg/m^3	1.10	5.0
12.	Benzo (a) Pyrene	IS 5182 (Part - 12): 2004,	ng/m^3	<0.5	1.0

Minimum detection Limit: Nickel: 5 ng/m^3, Arsenic: 0.25 ng/m^3, Benzene: 1 µg/m^3 & Benzo(a)Pyrene: 0.5 ng/m^3

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

BB

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

Annexure – III

Fugitive Emission Monitoring Report

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1262 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Howrah-711302	
Your SAP PO No/Plant	: 2800903832, dtd. 25.06.2022	***Parameters Tested***
Sample Description	: Fugitive Air.	RPM, SPM, SO_2, NO_2 & CO
Location	: Loading Bay	
Date of monitoring	: 27.03.2023	Test Completed on : 01.04.2023
Time of sampling	: 10:20 A.M. - 06:20 P.M.	Duration of Sampling : 08 Hrs.
TEST FINDINGS:-		Barometric Presure : 758 mmHg Temperature : 35.0°c - 31.0°c

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results Time weighted average (8hrs.)	Norms as per Factory Act, 1948 (Time weighted average concentration)
1.	Respirable Particulate Matter	IS 5182 (Part - 23): 2006	$\mu g/m^3$	2028	5000
2.	Suspended Particulate Matter	IS : 5182 (Part – 4),1999	$\mu g/m^3$	3892	10000
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	$\mu g/m^3$	4.5	5000
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	$\mu g/m^3$	19.3	6000
5.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	3.05	40

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

BB

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1270 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Howrah-711302	
Your SAP PO No/Plant	: 2800903832, dtd. 25.06.2022	***Parameters Tested***
Sample Description	: Fugitive Air.	RPM, SPM, SO_2, NO_2 & CO
Location	: Packer 1 & 2 (Ground Floor)	
Date of monitoring	: 28.03.2023	Test Completed on : 01.04.2023
Time of sampling	: 10:30 A.M. - 06:30 P.M.	Duration of Sampling : 08 Hrs.
TEST FINDINGS:-		Barometric Presure : 759 mmHg Temperature : 35.0°c - 30.0°c

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results Time weighted average (8hrs.)	Norms as per Factory Act, 1948 (Time weighted average concentration)
1.	Respirable Particulate Matter	IS 5182 (Part - 23): 2006	$\mu g/m^3$	1880	5000
2.	Suspended Particulate Matter	IS : 5182 (Part – 4),1999	$\mu g/m^3$	4273	10000
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	$\mu g/m^3$	4.9	5000
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	$\mu g/m^3$	22.4	6000
5.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	2.79	40

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

BB

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1271 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Howrah-711302	
Your SAP PO No/Plant	: 2800903832, dtd. 25.06.2022	***Parameters Tested***
Sample Description	: Fugitive Air.	RPM, SPM, SO_2, NO_2 & CO
Location	: Hopper Building (West Side)	
Date of monitoring	: 28.03.2023	Test Completed on : 01.04.2023
Time of sampling	: 10:50 A.M. - 06:50 P.M.	Duration of Sampling : 08 Hrs.
TEST FINDINGS:-		Barometric Presure : 759 mmHg Temperature : 34.5°c - 31.0°c

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results Time weighted average (8hrs.)	Norms as per Factory Act, 1948 (Time weighted average concentration)
1.	Respirable Particulate Matter	IS 5182 (Part - 23): 2006	$\mu g/m^3$	1759	5000
2.	Suspended Particulate Matter	IS : 5182 (Part – 4),1999	$\mu g/m^3$	3837	10000
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	$\mu g/m^3$	4.1	5000
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	$\mu g/m^3$	20.3	6000
5.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	2.57	40

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W B Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

* The test report shall not be reproduced, except in full, without written approval of the Company.
* Results relate only to the parameters tested.

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1272 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Howrah-711302	
Your SAP PO No/Plant	: 2800903832, dtd. 25.06.2022	
Sample Description	: Fugitive Air.	***Parameters Tested***
Location	: Physical Building (West Side)	RPM, SPM, SO_2, NO_2 & CO
Date of monitoring	: 28.03.2023	Test Completed on : 01.04.2023
Time of sampling	: 10:40 A.M. - 06:40 P.M.	Duration of Sampling : 08 Hrs.
TEST FINDINGS:-		Barometric Presure : 759 mmHg Temperature : 35.0°c - 31.5°c

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results Time weighted average (8hrs.)	Norms as per Factory Act, 1948 (Time weighted average concentration)
1.	Respirable Particulate Matter	IS 5182 (Part - 23): 2006	$\mu g/m^3$	311.1	5000
2.	Suspended Particulate Matter	IS : 5182 (Part – 4),1999	$\mu g/m^3$	992	10000
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	$\mu g/m^3$	4.4	5000
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	$\mu g/m^3$	16.7	6000
5.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	1.78	40

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

BB

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W B Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1277 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Howrah-711302	
Your SAP PO No/Plant	: 2800903832, dtd. 25.06.2022	***Parameters Tested***
Sample Description	: Fugitive Air.	RPM, SPM, SO_2, NO_2 & CO
Location	: F.A Unloading Area	
Date of monitoring	: 29.03.2023	Test Completed on : 01.04.2023
Time of sampling	: 10:35 A.M. - 06:35 P.M.	Duration of Sampling : 08 Hrs.
TEST FINDINGS:-		Barometric Presure : 759 mmHg Temperature : 35.0°c - 31.5°c

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results Time weighted average (8hrs.)	Norms as per Factory Act, 1948 (Time weighted average concentration)
1.	Respirable Particulate Matter	IS 5182 (Part - 23): 2006	$\mu g/m^3$	430.5	5000
2.	Suspended Particulate Matter	IS : 5182 (Part – 4),1999	$\mu g/m^3$	1971	10000
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	$\mu g/m^3$	4.2	5000
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	$\mu g/m^3$	18.6	6000
5.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	2.45	40

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W B Pin-711302 P.O. Dhulagori, P.S. Sankrail, Dist.-Howrah

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1278 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Howrah-711302	
Your SAP PO No/Plant	: 2800903832, dtd. 25.06.2022	***Parameters Tested***
Sample Description	: Fugitive Air.	RPM, SPM, SO_2, NO_2 & CO
Location	: Clinker Silo (Stock Side & Gypsum Shed Between Area)	
Date of monitoring	: 30.03.2023	Test Completed on : 01.04.2023
Time of sampling	: 10:20 A.M. - 06:20 P.M.	Duration of Sampling : 08 Hrs.
TEST FINDINGS:-		Barometric Presure : 759 mmHg Temperature : 35.0°c - 31.0°c

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results Time weighted average (8hrs.)	Norms as per Factory Act, 1948 (Time weighted average concentration)
1.	Respirable Particulate Matter	IS 5182 (Part - 23): 2006	$\mu g/m^3$	1136	5000
2.	Suspended Particulate Matter	IS : 5182 (Part – 4),1999	$\mu g/m^3$	2434	10000
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	$\mu g/m^3$	5.0	5000
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	$\mu g/m^3$	18.0	6000
5.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	2.09	40

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

BB

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O. Dhulagori, P.S.-Sankrail, Dist.-Howrah

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1279 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Howrah-711302	
Your SAP PO No/Plant	: 2800903832, dtd. 25.06.2022	
Sample Description	: Fugitive Air.	***Parameters Tested***
Location	: Cements Mill (Ground Floor)	RPM, SPM, SO_2, NO_2 & CO
Date of monitoring	: 30.03.2023	Test Completed on : 01.04.2023
Time of sampling	: 10:35 A.M. - 06:35 P.M.	Duration of Sampling : 08 Hrs.
TEST FINDINGS:-		Barometric Presure : 758 mmHg Temperature : 35.5°c - 31.0°c

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results Time weighted average (8hrs.)	Norms as per Factory Act, 1948 (Time weighted average concentration)
1.	Respirable Particulate Matter	IS 5182 (Part - 23): 2006	$\mu g/m^3$	3635	5000
2.	Suspended Particulate Matter	IS : 5182 (Part – 4),1999	$\mu g/m^3$	7606	10000
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	$\mu g/m^3$	4.4	5000
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	$\mu g/m^3$	20.5	6000
5.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	2.33	40

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

BB

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W B Pin-711302 P.O. Dhulagori P.S. Sankrail Dist.-Howrah

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1280 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Howrah-711302	
Your SAP PO No/Plant	: 2800903832, dtd. 25.06.2022	
Sample Description	: Fugitive Air.	***Parameters Tested***
Location	: Rollar Press (22 meter)	RPM, SPM, SO_2, NO_2 & CO
Date of monitoring	: 30.03.2023	Test Completed on : 01.04.2023
Time of sampling	: 09:45 A.M. - 05:45 P.M.	Duration of Sampling : 08 Hrs.
TEST FINDINGS:-		Barometric Presure : 758 mmHg Temperature : 35.0°c - 30.5°c

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results Time weighted average (8hrs.)	Norms as per Factory Act, 1948 (Time weighted average concentration)
1.	Respirable Particulate Matter	IS 5182 (Part - 23): 2006	$\mu g/m^3$	859.9	5000
2.	Suspended Particulate Matter	IS : 5182 (Part – 4),1999	$\mu g/m^3$	1866	10000
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	$\mu g/m^3$	5.2	5000
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	$\mu g/m^3$	24.8	6000
5.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	1.70	40

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

BB

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1280 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Howrah-711302	
Your SAP PO No/Plant	: 2800903832, dtd. 25.06.2022	
Sample Description	: Fugitive Air.	***Parameters Tested***
Location	: Rollar Press (22 meter)	RPM, SPM, SO_2, NO_2 & CO
Date of monitoring	: 30.03.2023	Test Completed on : 01.04.2023
Time of sampling	: 09:45 A.M. - 05:45 P.M.	Duration of Sampling : 08 Hrs.
TEST FINDINGS:-		Barometric Presure : 758 mmHg Temperature : 35.0°c - 30.5°c

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results Time weighted average (8hrs.)	Norms as per Factory Act, 1948 (Time weighted average concentration)
1.	Respirable Particulate Matter	IS 5182 (Part - 23): 2006	$\mu g/m^3$	859.9	5000
2.	Suspended Particulate Matter	IS : 5182 (Part – 4),1999	$\mu g/m^3$	1866	10000
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	$\mu g/m^3$	5.2	5000
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	$\mu g/m^3$	24.8	6000
5.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	1.70	40

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin 711302 Dist.-Howrah

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1281	Date: April 01, 2023	Page 1 of 1
Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Howrah-711302	
Your SAP PO No/Plant	: 2800903832, dtd. 25.06.2022	
Sample Description	: Fugitive Air.	***Parameters Tested***
Location	: Packer 3 & 4	RPM, SPM, SO_2, NO_2 & CO
Date of monitoring	: 31.03.2023	Test Completed on : 01.04.2023
Time of sampling	: 10:00 A.M. - 06:00 P.M.	Duration of Sampling : 08 Hrs.
TEST FINDINGS:-		Barometric Presure : 757 mmHg Temperature : 33.0°c - 27.0°c

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results Time weighted average (8hrs.)	Norms as per Factory Act, 1948 (Time weighted average concentration)
1.	Respirable Particulate Matter	IS 5182 (Part - 23): 2006	$\mu g/m^3$	3144	5000
2.	Suspended Particulate Matter	IS : 5182 (Part – 4),1999	$\mu g/m^3$	6166	10000
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	$\mu g/m^3$	4.0	5000
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	$\mu g/m^3$	20.1	6000
5.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	1.75	40

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

BB

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-AAQ/22-23/1282	Date: April 01, 2023	Page 1 of 1
Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)	
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Howrah-711302	
Your SAP PO No/Plant	: 2800903832, dtd. 25.06.2022	
Sample Description	: Fugitive Air.	***Parameters Tested***
Location	: Wagon Trippler	RPM, SPM, SO_2, NO_2 & CO
Date of monitoring	: 31.03.2023	Test Completed on : 01.04.2023
Time of sampling	: 10:20 A.M. - 06:20 P.M.	Duration of Sampling : 08 Hrs.
TEST FINDINGS:-		Barometric Presure : 757 mmHg Temperature : 33.0°c - 27.0°c

Sl. No.	PARAMETERS	TEST METHOD	UNIT	Results Time weighted average (8hrs.)	Norms as per Factory Act, 1948 (Time weighted average concentration)
1.	Respirable Particulate Matter	IS 5182 (Part - 23): 2006	$\mu g/m^3$	3331	5000
2.	Suspended Particulate Matter	IS : 5182 (Part – 4),1999	$\mu g/m^3$	6460	10000
3.	Sulphur Dioxide as SO_2	IS 5182 (Part - 2): 2001	$\mu g/m^3$	4.9	5000
4.	Nitrogen Dioxide as NO_2	IS 5182 (Part - 6): 2006	$\mu g/m^3$	22.1	6000
5.	Carbon Monoxide as CO	IS : 5182 (Part - 10), 1999 Non Dispersive Infra-Red (NDIR) spectroscopy	mg/m^3	2.41	40

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

BB

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-SL/22-23/1440 | Date: April 01, 2023 |

Issued to	: M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)
Address	: Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.
Your Ref. No.	: P.O. No. 2800903832, dtd. 25.06.2022
Description of Sample	: Sound Level Monitoring
Date of Monitoring	: 30.03.2023

Parameters Tested : L_{Min}, L_{Max} & L_{eq}
Test Method : IS 4758 : 1968

SOUND LEVEL MONITORING AT AMBIENT LOCATION :

Sl. No	Locations	Day Time (06.00 A.M to 10.00 P.M)				Night Time (10.00 P.M to 06.00 A.M)			
		Sound Level in dB(A)			Norms as per Environmental Protection Act 1986, rule 3(1) and 4 (1) for Industrial area	Sound Level in dB(A)			Norms as per Environmental Protection Act 1986, rule 3(1) and 4 (1) for Industrial area
		L_{Min}	L_{Max}	L_{eq}		L_{Min}	L_{Max}	L_{eq}	
01.	Near Main gate	59.8	64.5	62.7	**75 dB(A)**	56.8	60.6	58.9	**70 dB(A)**

Note : - L_{eq} - Equivalent sound energy.

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

★ The test report shall not be reproduced, except in full, without written approval of the Company.
Results relate only to the parameters tested.

R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TC-7815

TEST REPORT

No. AP-SL/22-23/1441-1449 Date: April 01, 2023

Issued to : M/S. AMBUJA CEMENTS LIMITED. (UNIT - SANKRAIL)
Address : Jaladhulagori, Vill & P.O. Dhulagori, P.S. Sankrail, Dist. Howrah, Sankrail, Pin : 711302, West Bengal, India.
Your Ref. No. : P.O. No. 2800903832, dtd. 25.06.2022
Description of Sample : Sound Level Monitoring
Date of Monitoring : 30.03.2023

Parameters Tested : L_{Min}, L_{Max} & L_{eq}
Test Method : IS 4758 : 1968

SOUND LEVEL MONITORING AT WORK ZONE LOCATION :

Sl. No	Locations	Day Time (06.00 A.M to 10.00 P.M)				Night Time (10.00 P.M to 06.00 A.M)			
		Sound Level in dB(A)			Permissible Noise Exposure for Industrial Workers as per The Noise Pollution (Regulation And Control) Rules, 2000	Sound Level in dB(A)			Permissible Noise Exposure for Industrial Workers as per The Noise Pollution (Regulation And Control) Rules, 2000
		L_{Min}	L_{Max}	L_{eq}		L_{Min}	L_{Max}	L_{eq}	
01.	Incoming WB	58.8	66.4	63.5	90 dB(A)	51.2	54.5	52.8	90 dB(A)
02.	Track Yard 1 (Near Canteen)	62.3	67.4	65.4		57.2	60.1	58.8	
03.	Loading Bay	60.5	72.5	68.5		61.1	63.2	62.1	
04.	E & I work Shop	61.8	64.6	63.1		57.8	62.3	60.4	
05.	Mechanical shop	64.5	67.6	66.2		62.0	64.1	63.1	
06.	Near Wagon Tiplar	76.8	82.3	79.9		68.8	73.1	71.9	
07.	Compressor Room	79.5	85.1	82.6		65.2	71.8	69.6	
08.	Inside Physical Lab	56.6	60.1	58.8		57.3	60.5	58.7	
09.	Between Mill 1 & 2	80.5	83.5	82.0		73.5	76.2	74.7	

Note : - L_{eq} - Equivalent sound energy.

-: END OF TEST REPORT :-

Report Verified by
S. Mondal

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O. Dhulagori, P.S.-Sankrail, Dist.-Howrah

(Dr. R. KARIM)
Technical Manager
Authorised Signatory
For R.V.BRIGGS & CO. (P) LTD.

★ The test report shall not be reproduced, except in full, without written approval of the Company.
★ Results relate only to the parameters tested.

Annexure – IV,V

Borewell Permission

Annexure-IV

FORM 4

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

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

033730

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. P0609002010740000001TLE

1. (a) Name of the applicant (user) : Shri/Smt. AMBUJA CEMENTS LTD
   (b) Son / Daughter of :
   (c) Address of the applicant : DHULAGORI, SANKRAIL
   (d) Category of farmer (Please tick) (in case of irrigation well) : Small Farmer / Marginal Farmer / Others
   (e) Serial No. of application Form and date of submission : BP/A, 0154, S.L.No.4, 2-3-2011
   (f) Specimen signature of the user : Arun Jha
2. Location particulars---
   (a) District : HOWRAH
   (b) Block, Mouza, J. L. No., Plot No. : SANKRAIL, SALADHULAGORI, 002, 1074
   (c) Municipality / Corporation Ward No. / Borough No., Holding No. : N.A.
3. Particulars of the proposed well and pumping device---
   (a) Type of the well : TUBEWELL
   (b) Approx. depth of the well (m) : 250 metre.
   (c) Purpose of the well : Industrial
   (d) Assembly size (for tube well) : 200 mm. X 200 mm.
   (e) Approx. strainer length (for tube well) : 30 m.
   (f) Diameter (for dug well) : — m.
   (g) Type of pump to be used : SUBMERSIBLE
   (h) H. P. of the pump : 5.0 H.P
   (i) Operational device : ELECTRIC MOTOR
   (j) Rate of withdrawal (m3/hr.) : 30 m3/hr
   (k) Maximum allowable running hours per day : 6 hr/day

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 : HOWRAH

Date : 21/6/2011

21/6/2011

Signature of the Issuing Authority

Geological Information.

&

Member Secretary

Howrah District

Ground Water Resources

Development Authority

Govt. of W.B.

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.

Govt. of West Bengal Howrah Office of the Geological Division W.B. OFFICE SEAL

Howrah Office of the Geological Division W.B. OFFICE SEAL

B.C.L./4/50,000/06

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

Annexure-V

FORM 4

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

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

033739

(169)

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 P0609002201963 000001TSE

1. (a) Name of the applicant (user) : ~~Shri/Smt.~~ M/S AMBUJA CEMENTS LTD.
   (b) Son / Daughter of : N.A.
   (c) Address of the applicant : Dhulagori, Sankrail; Howrah
   (d) Category of farmer (Please tick) (in case of irrigation well) : Small Farmer / Marginal Farmer / Others ✓
   (e) Serial No. of application Form and date of submission : BP/A 0154; 81-3 dt. 6/9/11
   (f) Specimen signature of the user : Arun
2. Location particulars---
   (a) District : Howrah
   (b) Block, Mouza, J. L. No., Plot No. : Sankrail / Taladhulagori / 002
   (c) Municipality / Corporation Ward No. / Borough No., Holding No. : Plot – 1963
3. Particulars of the proposed well and pumping device---
   (a) Type of the well : Tube Well
   (b) Approx. depth of the well (m) : 250 m
   (c) Purpose of the well : Domestic
   (d) Assembly size (for tube well) : 127 mm. X 76.2 mm.
   (e) Approx. strainer length (for tube well) : 18 m.
   (f) Diameter (for dug well) : m.
   (g) Type of pump to be used : Submersible
   (h) H. P. of the pump : 3.5 H.P.
   (i) Operational device : Electric Motor
   (j) Rate of withdrawal (m3 / hr.) : 15 m³/hr.
   (k) Maximum allowable running hours per day : 6 hrs / day

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 : Howrah

Date : 18/2/12

OFFICE SEAL

Chinmoyi Roy

Signature of the Issuing Authority and Designation.

Member Secretary
Ground Water Resources
Development Authority

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.

It is resolved that mandatory rainwater harvesting structures in the complex should be done.

OFFICE SEAL

B.C.L./4/30,000/06

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

Annexure – VI

STP Water Analysis Report

Mitra S. K. Private Limited

MSK TESTING • INSPECTION

TEST REPORT

Name & Address of Customer :

Ambuja Cements Limited

Jaladhulagori, Vill & PO.- Dhulagori, PS.- Sankrail, Dist.- Howrah
WB India Pin 711302

Report No. : MSKGL/ED/2023-24/000001

Date : 17/04/2023

Sample No. : MSKGL/ED/2022-23/03/01741

Drawn/Submitted on : 30/03/2023

Reference No. & Date : As per coc dtd on 30.03.2023, Date - 30/03/2023

We hereby certify that the following sample drawn by us / submitted by the customer has been analyzed with the following results:

1. Description of sample (As declared by customer)	Effluent water
2. Sample Mark (if any, given by the customer)	STP Outlet Water
3. Date of sampling	30/03/2023
4. Place of sampling	Ambuja Cements Limited
5. Environmental conditions during sampling	Maintained
6. Sampling Plan & Procedures used	As per SOP

Report No. : MSKGL/ED/2023-24/000001 **Sample No. :** MSKGL/ED/2022-23/03/01741

ANALYSIS RESULT

Chemical

Sl No.	Test Parameters	Unit	Test Method	Result
1	pH value	Deg C	APHA (23rd Edition) 4500 -H-B : 2017	8.38 at 25 deg C
2	Total Suspended Solid (as TSS)	mg/l	APHA (23rd Edition) 2540D :2017	20
3	Biochemical Oxygen Demand (as BOD)	mg/l	APHA (23rd Edition) 5210B : 2017	3.3
4	Chemical Oxygen Demand(COD)	mg/l	APHA (23rd Edition) 5220B :2017	12
5	Oil and Grease	mg/l	APHA (23rd Edition) 5520B : 2017	<5.0

DL : Detection Limit ***BDL : Below Detection Limit***

Report Verified By

For Mitra S. K. Private Limited

Authorised Signatory

* *This results relate only to the item(s) tested.*

* *This Test Report shall not be reproduced except in full, without the permission of Mitra S. K. Private Limited.*

Shrachi Centre (5th Floor), 74B, A.J.C. Bose Road, Kolkata - 700020, West Bengal, India.
Tel. : 91 33 40143000 / 22650007 Fax : 91 33 22650008
Email : info@mitrask.com Website : www.mitrask.com

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

Annexure – VII

Newspaper Publication

Annexure-VII

KOLKATA TUESDAY 28 JUNE 2011 The Statesman 2

ered J Dey killing'

of seven. The revolver and 25 cartridges were displayed by Commissioner Mr Arup Patnaik and Mr Roy at the Press conference.

The state home minister Mr RR Patil announced Rs 10 lakh cash reward to the crime branch for the methodical investigation. Mr Roy confirmed that police would name Chhota Rajan as accused with seven hired contract killers in the Dey murder case. Rajan would be [illegible]

Kalya immediately accepted the offer and started assembling other accomplices. The target was identified by his appearance and spectacles. Dey's motorbike number was given. Rajan further informed Kalya that he either at Peninsula Centre, Lower Parel, where *Mid-Day* office is located or Spectra [illegible]

arrested from Mumbai, three, including Kalya, from Rameshwaram and one from Solapur in Maharashtra.

All seven held alleged killers in turn followed Dey from his office to home to determine where to target him. Near office at Peninsula Centre was ruled out on [illegible]

[illegible] Building in Ch[illegible] [illegible] their releasing a comparative statement on [illegible]

JADAVPUR UNIVERSITY

Kolkata-700032

A walk-in interview will be held in the Audio-Visual Room of Mechanical Engineering Department on (5 July, 2011 at 12 noon for 3 Research Fellows for different projects. (1) Modelling and finite element simulation of Uniaxial and Bi-axial low cycle fatigue and Ratcheting. (2) Missile Massproperties and measurement system. (3) Modelling and experimental verification of Spray formation by disintegration of annular swirling liquid sheets for design of advanced fuel injection for gas turbine combustor.

The selected candidates will have the opportunity to register for Ph.D. at Jadavpur University in the respective area of work.

Minimum Qualification: Bachelor's Degree in Mechanical Engineering. Desirable Qualification: Master's Degree in Mechanical Engineering or 2 years' experience in Research.

For 1: Expertise in finite element methods, Fracture mechanics and plasticity

For 2: Expertise in FEM and compressible fluid flow analysis

For 3: Expertise in P.V / PDPA

Candidates may appear in person directly in the interview with filled up application form available from the Information Office of the University along with original and attested copies of marksheets and certificates.

(B0905)

Advocate
309, Purba Senthee Place
Dum Dum, Kolkata-700030
Phone No. 25484340
Mobile No. 9433098249
9051224149

(B0008)

CAPACITY enhancement from 150 MTPA to 240 MTPA of various grades of cement for the existing Cement Grinding Unit of M/s Ambuja Cements Ltd. at Jalachulagori, Sankrail, Howrah has been accorded Environmental Clearance by the Ministry of Environment and Forests. Copies of the clearance letter are available with the West Bengal Pollution Control Board and may also be seen at website of the Ministry of Environment and Forests at http://envforaicin

I, ARNAB Banerjee, R/o. 146A, Jheel Road, Kolkata-700075, shall henceforth be known as Pawan Kumar Banerjee, vide affidavit sworn before the Notary Public at Kolkata on 22nd Dec., 2010.

I, JENNIFER Baker, W/o. Keith Patrick Baker, do hereby declare that my son, Peter Leo Jockin, shall henceforth be known as Peter Leo Baker, vide affidavit sworn before the Learned Notary at Kolkata on 27-05-2004.

I, RAM Bidesh Ram, do hereby declare that Ram Bidesh Prasad, Ramabidesh Prasad and Ram Bidesh Ram is one and same person, vide affidavit sworn before the

(B0005)

MY CLIENT Shri Satyaranjan Roy has lost / misplaced the original Lease Deed being No. 471 for the year 1987 duly Registered before A.D.S.R. Sealdah, 24 Pgs. (S) and a written complaint has been lodged before Kasba P.S. vide GDE No. 2186 dated 22-03-2011. If any person finds the original document or have any knowledge please return the same to the undermentioned within 10 days from the date of publication and thereafter no claim will be entertained through the said Original Lease Deed.

Sanbhik Roy
Advocate
9987208810
9163116107

(B0001)

TENDERS

STEEL AUTHORITY OF INDIA LIMITED
(A Govt of India Enterprise)
SAIL Refractory Unit
Bhandaridah
P.O. Bhandaridah-829133,
Dist: Bokaro
Jharkhand (India)
(Formerly Bharat Refractories Limited)
(Bhandaridah Refractories Plant)
Phone Number: 06549-239230 / 06549-239220 (Fax) / 06542-233672 Bokaro (Fax)
No: SAIL / SRUB / PUR-286 (B-9) / 10 / IB
Dated: 22-06-2011

NOTICE INVITING TENDER (ABRIDGED)

Sl. No: 01: Description of items: Chamber furnace No; Qnty. required: 01 No.

Cost of tender document: Rs.500 (Rupees five hundred) only by Cash and Rs. 600 (Rupees six hundred) by Post.

Last date of submission of tender: 26-07-2011 up to 2-00 pm.

Date of opening of tender: 26-07-2011 at 3-00 pm.

For details please visit our website: www.https://www.sailtenders.co.in

Manager (S & P)

Annexure-I

Technical Specification

Description: Electrically heated chamber type front loading furnace using Kanthal super, molybdenum cisilicide heating elements having maximum temperature of 1750°C with working temperature of 1700°C for continuous run. The furnace should have facility of operating by front located control panel.

Special Feature: The furnace should have independent operating systems and programmable temperature control with 16 segments.

Construction: Welded angle iron frame floor model type construction in two sections with sheet metal paneling. Top section comprises of heating cavity assembly and lower section houses the transformer, electrical etc. The door will be insert type swing aside parallel moving door with peep hole.

Refractory: Internal refractory should be such that it does not fuse / cracks / melts at maximum working temperature and skin temperature remains below 100°C.

Heating Element: (Loc in two side walls)

Molybdenum disi Mo6i2 'U' shape heating ment.

Grade Kanthal S 1800°C.

Dia – 6/12 mm.

Le-225 mm, Lu-250 mm 45 or 60 mm. No. of elem – 6 Nos.

Operating Temperatur Continuous Oper Temperature 1700°C.

Guarantee: One year of servicing guarantee ag any manufacturing de from date of commissi except heating elements perishable materials.

Service Contract: 3 year annual maintenance ser contract after one year f the date of commissioning

(B0002)

OFFICE OF THE JT. CHIEF UNIVERSITY ENGINEER

North Bengal Universi
TENDER NOTICE NO
JT. CHIEF UE2011-12/
Dt.: 27-06-201

Sealed tenders for the l lowing works are invited l the Jt. Chief Univers Engineer from the expe enced contractors. Earne Money 2% of the Estimat Value.

1) 'Replacement asbestos shed' includ supporting frame work a other necessary works old portion of N.B.U. Pure School.

Kalyan

Kanthal

AMBUJA CEMENTS LTD.
Sankrail Grinding Unit
W.B
Pin-711302
P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

বিজ্ঞাপন

vited for a
system and
:nsor along
r. The sys-
mart class
on, audio,
ith record-
is to quote
quotation
within 7
of the
Chandra
Birbhum,
296/33

re invited
ctors hav-
rience in
high-rise
iit for
in
opp. on
to the
369,
Road,
test by
296/52

াস্ট
প্লক্স

ারিখে ৯ম
56/SS এর
এর অধীনে
সাইট
ov.in-এর
ock.gov.in
296/82

had
Deemed
sed by
DEC

DU
ollege
Sc-CS

বিজ্ঞপ্তি

অম্বুজা সিমেন্টস লিমিটেড, জলাধূলাগোড়ী, সাঁকরাইল, হাওড়া দ্বারা অবগত করা হইতেছে যে, ইহার বিভিন্ন প্রকার সিমেন্ট উৎপাদন ক্ষমতা ১.৫০ মিলিয়ন টন (বার্ষিক) হইতে বাড়াইয়া ২.৪০ মিলিয়ন টন (বার্ষিক) করিবার জন্য কেন্দ্রীয় পরিবেশ এবং বনমন্ত্রকের ছাড়পত্র পাইয়াছে। অনুমতিপত্রের প্রতিলিপি পশ্চিমবঙ্গ দূষণ নিয়ন্ত্রণ পর্ষদের নিকট উপলব্ধ এবং কেন্দ্রীয় পরিবেশ এবং বনমন্ত্রকের ওয়েবসাইটে (http.//envfor.nicin) লিপিবদ্ধ আছে।

S/D-Dy.Mgr-Env.
296/57

ডিস্ট্রিক্ট ডেলিগেট আদালত
আসানসোল
উইল প্রবেট কেস নং ৯১/১১
দরখাস্তকারী ঃ- চীরঞ্জিব মিত্র

এতদ্বারা সর্বসাধারণকে জানানো যাইতেছে যে উপরোক্ত দরখাস্তকারী তাহার মৃত সৎ ভ্রাতা শিশিরকুমার মিত্র, সাং গৌর মণ্ডল রোড, হাঁড়ন রোডের নিকট পোস্ট ও থানা-আসানসোল, জিলা বর্ধমান কর্তৃক ইং ৬.৩.০৮ তাং কর্তৃক সম্পাদিত ও ত্যক্ত উইলের প্রবেট পাইবার জন্য অত্র আদালতে উক্ত কেস রুজু করিয়াছেন।

কাহারো আপত্তি থাকিলে এই বিজ্ঞপ্তি প্রকাশের এক মাসের মধ্যে কারণ দর্শাইবেন নচেৎ উক্ত মামলাটির এক তরফা শুনানী হইবে।

আদেশানুসারে
গোপাল চক্রবর্তী
সেরেস্তাদার
296/60

ডিস্ট্রিক্ট ডেলিগেট আদালত
আসানসোল
সাকসেসন কেস নং ৫০/১১
দরখাস্তকারী ঃ- সামারী দেবী

এতদ্বারা সর্বসাধারণকে জানানো যাইতেছে যে উপরোক্ত দরখাস্তকারী তাহার মৃত স্বামী মহেশ সিং, সাং কুনুসতোরিয়া এরিয়া কমপ্লেক্স, পোস্ট তপসী, থানা-জামুরিয়া, জিলা বর্ধমান এর এস্টেটের ১,৬৮,৪১৩ টাকা আদায়ের জন্য

পত্রমিতালি

বন্ধুত্বের চেষ্টা? মেটাতে পারি আমরা। বন্ধুত্ব ও বোন্ড রিলেশন। K.V.C. 8001172942/3 296/71

ফ্রেন্ডস ওয়ার্ল্ড
ঠকার দিন শেষ। ফি 500/- পশ্চিমবঙ্গের প্রত্যেকটি মহকুমায় বন্ধুত্ব। 8017647175
296/72

ফ্রেন্ডস গুরু
বছরের পর বছর সঠিক পরিসেবা। সঠিক ও সৎ বন্ধুত্ব। বোন্ড রিলেশন। ফি-400/-,9831318566 296/73

হ্যারি ক্লাব
গ্যারান্টি সহ সঠিক বন্ধুত্ব করুন হাই প্রোফাইল মহিলাদের সঙ্গে। ফি-500/- 9748509750.
296/74

প্রিন্স ক্লাব
মুক্ত মনের মহিলাদের সঙ্গে বন্ধুত্ব। কোনো বুজরুকি নয়। বন্ধু না পেলে টাকা ফেরৎ। 8420649709. 296/75

রনি ক্লাব
হাই প্রোফাইল দেশি-বিদেশি মহিলার সঙ্গে বন্ধুত্ব। ১০০% গ্যারান্টি। ফি-450/- 8697442765
296/76

ফ্রেন্ডস ভ্যালি
বন্ধুত্বের চেষ্টা? মেটাতে পারি আমরা। বন্ধুত্ব ও বোন্ড রিলেশন। 8017455103/8017454887. 296/77

. **গভীর** সম্পর্ক বন্ধু/বান্ধবীর জন্য ফোন করুন বিশ্বাসের সাথে। 8017398210/8820371819 296/80

নিঃসঙ্গ জীবনকে আলোকিত করতে
হাই/মিডিয়াম প্রোফাইল মহিলাদের সঙ্গে স্পষ্ট ডেটিং/ফ্রেন্ড রিলেশন। 9836303408, 8981668162 296/121

Deepika Club : বন্ধুত্বের হাতছানি ও উষ্ণ অনুভূতির ছোঁয়া। ফি-500/-9748285738/ 9748778467/ 9051538829. 296/122

বন্ধুত্ব করাবো
জীবনকে মাধুর্যময় করতে সেরা বন্ধু/বান্ধবীর সন্ধান লাভ N দক্ষি। 9330626460 / 9330626403/ 9330626380/ 9330626520

শিক্ষা

D.Ed (P.T.T.),
B.Ed, B.P.Ed,
NCTE & UGC অনুমোদিত কোর্সে ভর্তির জন্য বেঙ্গল সাজেশন সেন্টারের নিম্নলিখিত ব্রাঞ্চে যোগাযোগ করুন।
সোনারপুর-8902040388,
বসিরহাট-9831822159,
রানাঘাট-9734319827,
গড়বেতা-9733563181,
শুসকরা- 9474539452,
বহরমপুর- 9733599694,
রামপুরহাট - 8768501518,
মুরাড়ই - 9153557604,
তালডাংড়া - 9641925769
মালদা- 9735912770
সম্পাদক পবন চৌধুরী, বেঙ্গল সাজেশান সেন্টার, তিনকোনিয়া বাসস্ট্যান্ড, রামকৃষ্ণ মার্কেট কমপ্লেক্স (দ্বিতল) বর্ধমান। M-9434211612 বিঃ দ্রঃ-স্কানচাইজি নিতে আগ্রহী ব্যক্তিগণ সম্পাদকের ফোন নম্বরে যোগাযোগ করুন। 296/17

ইতিহাস ও বাংলা (H.S-Hons) পড়ানো হয়। ফোন : 9831910602/ 8961314247. 296/18

স্লিমিং শিক্ষায় স্বনির্ভর হোন!
ভারতবর্ষে এই প্রথম কম সময়ে, কম খরচে আন্তর্জাতিক রোগা ও শেপিং করানো সঠিক চিকিৎসার পদ্ধতি শিখে স্লিমিং থেরাপিস্ট ও ওবিসিটি কনসালটেন্ট হিসেবে কাজ করুন। কোর্স শুরু থেকেই আশাতীত আয়ের সুযোগ। ১০০% কাজের সহায়তা।
অতীন'স কমপ্লিট স্লিমিং সলিউশন অ্যান্ড ট্রেনিং সেন্টার
9831316829, 9038968454
296/19

UGC-DEC স্বীকৃত
State Govt. University
M.Tech, B.Tech, Dip. in Egn. B.A., B.Sc. B.Com, MA, M.Sc, MCom, BBA, MBA, MSc(IT), BCA, MCA, B.Lib, M.Lib-তে ভর্তি চলিতেছে। (বাংলায় পরীক্ষার ব্যবস্থা আছে) VIPS - যাদবপুর 9477081571

AMBUJA CEMENTS LTD.
Sankrail Grinding Unit
W.B
Pin-711302
P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

Annexure – VIII

Plant Photographs

Annexure – VIII

AMBUJA SANKRAIL HAS ADEQUATE MEASURES TO CONTROL FUGITIVE DUST EMISSION

1. **All transfer points and storage silos are provided with dust collection and extraction systems for effective control of fugitive emissions.**

Fig 1.1

All transfer points and storage silos are covered and provided with bag filters

Fig 1.2

All Belt Conveyors are covered and enclosed with GI Sheets

Fig 1.3

All process Machineries are 100% covered

Fig 1.4

Environment control measures are in place across the plant

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

2. Clinker, Fly Ash and finished products are stored covered concrete silos with Bag Filters

Fig 2.1

Clinker is stored in closed concrete Silos (Capacity – 25000*2 = 50,000 MT).

De-dusting Bag Filters are provided for both the silos

Fig 2.2

Finished products (Cement) is stored in closed concrete Silos (Capacity: 5000*4 = 20,000 MT). De-dusting Bag Filters are provided for all 4 silos

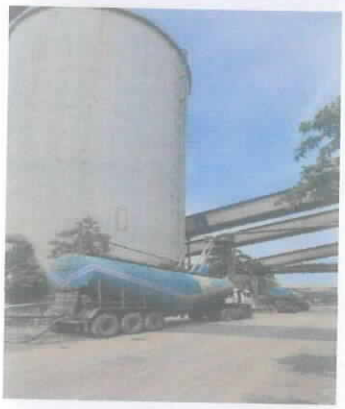

Fig 2.3

Dry Fly Ash is stored in closed concrete Silos (Capacity: 4000 MT). De-dusting Bag Filters is provided on top of silo

3. Covered Shed and Tarpaulin covered for Raw Materials (Gypsum, Slag)

Fig 3.1

Gypsum and Slag are stored in Steel Shed

Fig 3.2

Gypsum and Slag kept outside of shed - are covered with proper Tarpaulin with Bamboo structure.

AMBUJA CEMENTS LTD.
Sankrail Grinding Unit
W.B
Pin-711302
P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

4. Raw Material Transport with mechanised unloading /Handling

Fig 4.1

Clinker transportation by Rake with proper Tarpaulin covering

Fig 4.2

Dry Fly Ash transportation by Closed Bulkers

5. Mechanised Unloading & Handling of Raw Materials

Fig 5.1

Clinker unloading by Mechanised system - Wagon Tippler with de-dusting Bag Filter

Fig 5.2

Dry Fly Ash directly unloaded in Fly Ash Silo by Pneumatic System

AMBUJA CEMENTS LTD.
Sankrail Grinding Unit
W.B
Pin-711302
P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

6. Concreting of roads, Road Sweeping Machines and water spray all around areas in the cement plant to control fugitive emissions.

Fig 6.1

100% concrete road provided for vehicles movement

Fig 6.2

100% concrete floors provided inside plant

Fig 6.3

100% Concrete Parking yard for Truck Parking with fish Bone arrangement

AMBUJA CEMENTS LTD.
Sankrail Grinding Unit
W.B.
Pin-711302
P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

7. Segregation of Vehicle movements, Road Sweeping Machines and water spray all around areas in the cement plant to control fugitive emissions.

Fig 7.1

Segregation of vehicle movement and man are provided

Fig 7.2

02 nos of Dedicated TPS - Vacuum Road Sweeping Machines for continuous road cleaning

Fig 7.3

02 nos of Small Road Sweeping Machines for continuous road cleaning

Fig 7.4

01 dedicated water sprinkler for continuous water spraying on roads

AMBUJA CEMENTS LTD.
Sankrail Grinding Unit
W.B.
Pin-711302
P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

8. Automatic Cement bag packing & mechanised loading systems for trucks and rakes

Fig 8.1

04 nos Automatic Cement Bag Packing Machines with de-dusting systems

Fig 8.2

08 nos Mechanised Cement Bag Truck Loading Machines

9. Environment Management System (CAQMS -Continuous Ambient Air quality monitoring station, CEMS- Continuous Emission Monitoring System)

Fig 9.1

Continuous Ambient Air quality monitoring station installed in plant premises which is connected to PCB portals

Fig 9.2

Continuous Emission Monitoring System installed at 11 Stakes

AMBUJA CEMENTS LTD.
Sankrail Grinding Unit
W.B
Pin-711302
P.O.-Dhulagori P.S.-Sankrail, Dist.-Howrah

10. Developed more than 33% Green belt area in and around the cement plant as per the CPCB guidelines

AMBUJA CEMENTS
Sankrail Grinding Unit
W.B.
Pin-711302
P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

Annexure – IX

Manifest Details

adani

To,
Waste Management Cell,
West Bengal Pollution Control Board,
Paribesh Bhaban,
Bldn No. 10A, Block – LA, Sector-III
Bidhan Nagar, Salt Lake, Kolkata – 700098

Kind Attention: Chief Engineer (WMC)

Sub : Submission of Manifest, Form 10 as per Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016

Dear Sir,

As per the regulation of Hazardous & Other Wastes (Management &Transboundary Movement) Rules, 2016, we are submitting the Hazardous Wastes Manifest (Form 10) for Used Grease along with supporting document.

Thanking You,

With Regards:
For **AMBUJA CEMENTS LIMITED - Sankrail**

(Authorized Signatory)

Encl: 1) Form 10 (Manifest)
2) Form 9 (TREM Card)

Ambuja Cements Limited
Unit – Sankrail, Jaladhulagori, Vill. & P.O. - Dhulagori
P.S. – Sankrail, District Howrah – 711 302
West Bengal, India
Ph +91 33- 6608 7100

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

AMBUJA CEMENTS Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

FROM 10

WEST BENGAL WASTE MANAGEMENT LIMITED

J.L. No.- 103, Mouza- Purba Srikrishnapur, P.O.& P.S.-Sutahata, PIN - 721635, Haldia, Dist.- Purba Medinipur, West Bengal

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's name and mailing address (including Phone No. and e-mail)	Ambuja Cements Ltd (Unit: Sankrail Grinding Unit) Vill & PO- Dhulagori, PS- Sankrail Dist- Howrah West Bengal, 711302
2	Sender's authorization No. :	60/25 (HW) - 1443/2003
3	Manifest Document No. :	1
4	Transporter's name and address (including Phone No. and e-mail)	23238 **West Bengal Waste Management Limited** J. L. No. - 103, Mouza Purba Srikrishnapur, P.O.& P.S.-Sutahata,Haldia 721635 Dist.- Purba Medinipur, West Bengal, Ph. No.-03224-278238 / 39 E-mail : wbwml_Haldia@ramky.com
5	Type of vehicle :	(Truck/Tanker/Special Vehicle)
6	Transporter's registration No. :	1-MD(E)/X/06
7	Vehicle registration No. :	WB29A8610
8	Receiver's name and mailing address (including Phone No. and e-mail)	**West Bengal Waste Management Limited** J. L. No. - 103, Mouza Purba Srikrishnapur, P.O.& P.S.-Sutahata,Haldia 721635 Dist.- Purba Medinipur, West Bengal, Ph. No.-03224-278238 / 39 E-mail : wbwml_Haldia@ramky.com
9	Receiver's authorization No. :	75/25 (HW) 1506/2003 (PT. IV)
10	Waste description :	Used Grease
11	Total quantity No of Containers :	4.350 ~~m3~~ or MT 20 Nos.
12	Physical form :	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13	Special handling instructions and additional information :	Handle with care following all safety measures
14	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping categorized, packed, marked and name and are labeled and are in all respects in proper conditions for transport by road according to applicable National Government Regulations.
	Name and Stamp: Soumyadip Bej	Signature: Day 23 Month 01 Year 2023
15	Transporter acknowledgement of receipt of waste :	
	Name and Stamp	Signature: Day 23 Month 01 Year 2023
16	Receiver's certificate for receipt hazardous and other wastes :	
	Name and Stamp	Signature: Day Month Year

1. White Colour forwarded to WBPCB by HzW Sender.
2. Yellow Colour retained by HzW sender.
3. Pink Colour retained by HzW Receiver.
4. Orange Colour retained by transporter.
5. Green Colour forwarded to WBPCP after disposal by HzW Receiver.
6. Blue Colour returned to sender after disposal by HzW Receiver.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

FORM 9

TRANSPORT EMERGENCY (TREM) CARD

পরিবহন সংক্রান্ত আপতকালীন তথ্য কার্ড

1. Characteristics of Hazardous and other Waste :
বর্জ্যের বৈশিষ্ট্য

Sl. No. ক্র. নং.	Type of Waste বর্জ্যের প্রকার	Physical Properties ভৌত ধর্ম	Chemical Constituents রাসায়নিক সংযুক্তি	Exposure Hazards সংস্পর্শে আসার বিপদ	First Aid Requirement প্রয়োজনীয় প্রাথমিক চিকিৎসা
01	Used Grease (5.2)	Semi Solid (Used Grease)	Silica Grease	Fire	First aid kit is available

2. Procedure to be followed in case of fire : Contact near fire station
আগুন লাগলে কি করণীয় ঃ

3. Procedure to be followed in case of spillage / accidents / explosion : As per Safety procedure
চলকাইয়া পড়লে / দুর্ঘটনায় / বিস্ফোরণে কি করণীয় ঃ

4. For Expert Services, please contact :
বিশেষজ্ঞ পরিষেবার জন্য যোগাযোগ করুন ঃ

(i) Name and Address : Ambuja Cements Ltd. / Waste Bengal Waste Mgt. Ltd
নাম ও ঠিকানা ঃ

(ii) Telephone No. : 03366087100 03224278238
দূরভাষ নং. ঃ

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

Date 23/01/23
Place Sankrail

23/01/23

Name and Signature of Occupier / authorized representative
বর্জ্য উৎপাদনকারী / অনুমোদিত প্রতিনিধির নাম ও স্বাক্ষর

ANNEXURE –IX

CSR PROGRESS AND EXPENDITURE

Achievements of SEDI Sankrail – October'22 to March'23

SEDI: SEDI Sankrail has adopted various strategies during last 6 months to further boost up the skilling activities and achieve sustainable livelihood of youths by strengthening their vocational skills through quality training during October, 2022 to March, 2023. Achievements of SEDI Sankrail are:

Opening of 1st SKF Batch

BIRD Training Programme

Partnership: NABARD sponsored skill project of 2022-23 financial year has been completed successfully and another project has been submitted to NABARD RO Office for the training of 100 youths. Partnership with TVS Motors for Automobile 2 & 3 Wheeler Repairing Technician job role has been well continued this year. A project on Automobile Sector has been initiated in collaboration with SKF India Pvt. Ltd and a training Centre has been established at Jangalpur, Howrah. We have also established knowledge partnership with Fusion BPO for Customer Care Executive job role and Vivid Garments Pvt. Ltd. for ISMO job role. In addition 35 women SHG member have been training on entrepreneurship development in collaboration with Bankers' Institution of Rural Development (BIRD), Kolkata.

Awareness-building and Mobilization of Youth: Mediums like Facebook Campaigning, Whatsapp bulk massages, KaushalMitra, News Paper Advertisement, local NGOs, Employment News Paper have been used to mobilize candidates along with very limited field movement. SEDI Sankrail reached out 56 villages through its publicity events and information dissemination. Total 157 youth were enrolled during October, 2022 to March, 2023.

Auto Campaigning

College Meeting

Training Achievements: SEDI Sankrail has trained 157 trainees during October, 2022 to March, 2023. SEDI Sankrail has run training on 5 Job Roles & 8 Batches during this time.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

SEDI restarted parents meeting to improve the attendance and placement retention. Sankrail SEDI has provided special focus to improve the women participation in various training courses and their placement. During October, 2022 to March, 2023 SEDI has trained 72 female youths (47% female).

2 Wheeler Training Session

Internal Assessment

Placement: Total 12 new employers were identified. As on March, 2023 placement percentage is 71%. Exposure visits were also conducted for all batches so trainees can have the knowledge of market and work place.

Industry Exposure

Market Exposure Visit

Industry Visit of 2nd 2 Wheeler Batch

OJT cum Interview of 2nd CCE Batch

AMBUJA CEMENTS LTD
Sankrail Grinding Unit
W.B.
Pin-711302
P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

Teachers Day & New Year were celebrated by the SEDI trainees with great enthusiasm.

Celebration of Road Safety Week

Celebration of Netaji's Birthday

Road Safety Demonstration by Hero Moto Corp

Project Demonstration by SEDI Trainees

Safety Session by ACL

Road Safety Drawing Competetion

Kanal

AMBUJA CEMENT
Sankrail Grinding Unit
W.B.
Pin-711302
P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

Inauguration of SEDI Kolkata Alumni Chapter: SEDI Sankrail had inaugurated SEDI Alumni Chapter to organize SEDI Alumni and create a platform for the further betterment of their career. About 100 Alumni were participated in the programme and shared their success stories and thoughts on Alumni Chapter.

Women Empowerment

Program	Unit	Target	Achievements	Remarks
Monthly Meeting	SHG	All	150	Regular (Monthly) meeting is an important component for SHG. Regular meeting enhance cohesiveness among the members. The process of savings, loan disbursed and reimbursed all are done through meeting. Apart from regular meeting SHGs are conducted other meetings. On an average SHGs are conducting two meetings every month.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Bhuleshori, P.S.-Sankrail, Dist.-Howrah

Monthly Savings	SHG	All	150	Savings is also an important component for SHGs. Generally SHGs savings starts from Rs.50 to Rs.100 per month. The members took loan from the corpus
Mass awareness on social issues	Individual	3	3	SHG members have important role in the society. They aware the other members and help them to come out from prejudice. Planning was to conduct 3 awareness camps on different issues such as, child marriage, MHM and illiteracy.
Awareness camp on Federation and VO formation	SHG	4	4	From October to March we have planned to conduct 4 awareness camps of for formation of VOs. VOs are playing important role in sustaining the SHGs.
Awareness camp on Safety awareness	SHG members and villagers	20	22	Safety is always important and integrated component of our programme. Conducted 22 safety awareness camps with SHG members. It helps them to develop safely behavior in their daily life.
Internal Loan distribution	SHG	50	54	Members are involved with many income generation activities such as- Goat rearing, back yard poultry rearing, vegetable vending, tailoring and zari, vegetable cultivation, grocery shops etc. To run those activities members needs loan. Rather taking loan from outside the members took loan from their own savings. Those loan ranging from Rs.3000 to Rs. 70000/- based on their needs. It found that 87 percent loan taking for productive purpose and only 13 percent members took loan for consumption purpose.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

Bank Linkage	SHG	10	12	After formation of SHGs bank linkage is first and foremost activity. Members are deposited their cumulative savings money in that account. Transaction on that account is considered as the base of further credit linkage.
Bank loan	SHG	30	47	13 SHGs are facilitated for credit linkage to mitigate the credit needs of the members. In the 1st credit linkage bank allotted Rs.150000/- as loan and in the 2nd linkage Bank allotted Rs.250000/- as loan to the members.
SHG formation	SHG	4	4	4 new SHGs have been formed in the mentioned period. SHG formation drive has been conducted over a long period we have reached almost saturation point in our target villages.
Grading of SHG (NRLM and Internal)	SHG	All Eligible SHG	129	Grading is a tool for heath checkup of SHGs. Grading indicates made on the basis of Pancha Sutra. We have conducted both internal and external grading. We have completed a total health check up of 129 SHGs.
Application for Revolving fund (NRLM R.F and JAGO)	SHG	4	4	After 3 months of age new SHGs are eligible for getting revolving fund from NRLM departments for enhancing their corpus and meet their credit needs.
Promoted Goat and Poultry training	Individual	3	3	Conducted three Goat and poultry rearing training for the rearers. It helps them to developed scientific knowledge among the rearers.
Capacity Building Training For SHG members	Number	25	26	Capacity building programs were conducted on the basis of six module training. Trainings were conducted on group management, book keeping, credit planning, leadership development etc.

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

IGA Training	Number	2	3	Training has been conducted on Mushroom cultivation, Poultry rearing and Food processing.
Government Insurance Scheme	No	60	72	144 members were linked with swastha Sathi scheme. Along with other family members SHG members can treat up to 150000/- and Rs.500000/- for critical illness.
Day's Celebration	Individual	1	2	Soil Health day celebrated with SHG members to aware them regarding how to maintain good soil health of the field. Moreover, ACF also celebrate International Women's Day to realized their potential and celebrate their achievements. More than 300 women took part in the women day celebration programme.

AMBUJA CEMENTS LTD.
Sankrail Grinding Unit
W.B.
Pin-711302
P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

Health Program (MCH, Malnutrition &MHM,) Oct, 22 – March, 23

As a sensible and committed on responsibility our Health team has initiated various initiatives at community level (within 8 Core Villages) through its Health Volunteers along with ICDS worker and ASHAs to deal with village community. The major initiatives are:

- Need Assessment of the Community for identification of health problems.
- Door to door awareness campaigns were organized to aware vaccination for ANC, PNC and children up to 2 years with benefits by our Health Volunteers with close coordination of ANM, ICDS workers and ASHAs.
- Health volunteers have organized VHND & Awareness campaign to ensure 100% vaccination in mothers & child of village community.
- Making and distribution of huge number IEC in village community by health volunteers.
- Addressing Menstrual Health management program. By strengthening village women and adolescents groups with capacity building and sustain support through provide Sanitary pad vending machine, Disposal machine and MHM library set up in six schools.
- Regular capacity building training in five schools with students on MHM to strengthen and aware against prejudices and misconceptions.
- Soft copies and hard copies of IEC material have been sent to villagers through social media and placed in village areas. We have covered more than 5000 beneficiaries through information dissemination mechanism.
- Regular Specialty health camps have been organized in core villages. This year total 48 health camps were organized.
- Special Dengue & Malaria awareness sessions by our Health Volunteers with using proper IEC.
- Visit to elderly people regularly by health volunteers and maintaining BP check up.
- MHM awareness meeting and campaign among village adolescents regularly.
- Health awareness meeting among village women and children in various health issues.
- Capacity building training on MCH, Nutrition and MHM among health volunteers, ANMs, ASHAs and AWWs.
- Kitchen garden training and seed distribution among village MCH beneficiaries. 225 Kitchen Gardens are developed in core villages.
- ACF has organized total 48 special camps in core villages. Village community was depended on quack doctor but now they are benefited and accustomed with these health camps. Total 27 Antenatal camps & Gynecological and 20

AMBUJA CEMENTS LTD. Sankrail Grinding Unit Sankrail, Dist.-Howrah

pediatric camps and also 1 special vision care screening have been organized. Total 2874 patients were benefited.

- Total 169 villagers were benefited from vision care camps. 105 patients received spectacles and 42 patients were got free cataract operation from Sankar Netralaya in Feco method.
- Nutrition & Food demonstration workshop in collaboration with Govt. health department to enhance proper knowledge of food habit, Malnutrition in Children.
- A static health center operates inside Dhulagori truck terminus. It has facility for health check up with medicine for a registration fee of Rs.20/-. Besides HIV testing, sexually transmitted Disease (STI) treatment, hypertension screening, vision screening, diabetic screening, Tuberculosis (TB) screening and treatment with medicine are provided free of cost.

Major Achievements amidst the crisis situation following all safety precautions:

Program	Target	Achievement	Remarks
Review meeting of Health volunteers	12	14	To enhance knowledge on MHM , Nutrition, MCH etc.
Immunization coverage	180	206	Children and ANC mothers' immunization.
VHND camp attend	12	13	By regular follow up immunization process.
Village meeting	35	45	These all meeting organized by maintaining with social distancing with 10 participants each.
Vision Screening camp	150 beneficiaries	169	105 spectacles & 42 Cataract Operations
MHM awareness & Training	25	28	Through text message and meeting by maintaining all rule and norms.
Health camps	24	26	Specialty health camps for women & children
Capacity building training	6	8	On MHM, Nutrition and MCH awareness

AMBUJA CEMENTS LTD. Sankrail Grinding Unit

AMBUJA CEMENTS LTD. ★ Sankrail Grinding Unit

Agro-Based Livelihood promotion

Program	Unit	Target	Achievement	Remarks
Aquaculture Program	Farmers			During the year 356 farmers were supported for doing mixed aquaculture with Indian Major Carps and giant prawn/pabda fish. During Oct to March 23 these farmers were provided with hand holding support and training
Vegetable cultivation (Rain shelter, Poly tunnel, Integrated	Farmers	500	534	Total farmers covered during the year is 834. 190 farmers were supported for construction of poly tunnels/rain shelters for off season vegetable cultivation, 194 farmers constructed scaffoldings at

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

scaffolding, exotic vegetable, vegetable seed promotion)				the bunds of their ponds/paddy field 450 farmers were supported for exotic vegetable cultivation like Broccoli, color cabbage, cauliflower yellow, cauliflower violet, Chinese cabbage, cherry tomato, Pakchoi, iceburg Lettuce, Red lettuce, Presley, Celery, Brussels sprout etc. Farmers sold these vegetables in New Market Kolkata, local markets and agriculture fairs
System of Rice Intensification – Improved Crop Management (ICM)	Farmers	600	600	Total farmers covered during the year is 878. After adoption of this method the farmers were able to increase their yield by 33% and cost by 14%. The drudgery of the farmers reduced with the use of weeder machines. Total farmers covered during the year is 878.
Goat based livelihood promotion	Farmers	250	250	100% farmers covered were women farmers. Various new practices like scientific goat shed management, stall feeding and feeding in manger, timely vaccination and deworming is introduced. Continuous capacity building of 'pasusakhi' and 'community livestock facilitators' have boosted their confidence and skill. They are ensuring door step service delivery like basic vaccination, medicines, awareness and marketing support.
Poultry based livelihood promotion	Farmers	250	250	100% farmers covered were women farmers. Besides promoting improved poultry sheds for chickens breed replacement with Rhode Island Red (RIR) is being emphasized. In both the locations capacity building on improved feeding, timely vaccination, deworming, management of chicks etc are organized. "Pasusakhi" and "Community Livestock Facilitators (CLFs)" promoted by ACF in collaboration with Block Livestock department are also active in providing door step health service delivery.
Integrated poultry shed at the bunds of ponds	Farmers	30	35	Poultry sheds at the bunds of the ponds are being promoted. In these poultry sheds on an average 25 pieces chickens can be raised in 1 cycle. 100% of the beneficiary is women.
Promotion of FPO	Farmers			508 members are doing their business plan. They are also doing business of vegetable vending and custom hiring of agriculture equipments
Capacity building of farmers under different programs	Farmers		3615	During Oct to March 23 details of training of farmers are ICM & soil health awareness– 1563 farmers, Vegetable cultivation – 677, Farmers Club

AMBUJA CEMENTS LTD. Sankrail Grinding Unit W.B. Pin-711302 P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

				members – 517 farmers, Para-professional – 109, FPO – 386 farmers , Aquaculture – 363 farmers (the figure is cumulative

Exotic Vegetable Cultivation

FPC selling exotic vegetables in agriculture

Awareness on soil health, organic farming, Kitchen Gardening etc

Off season okra cultivation with transparent mulching

Integrated poultry farming with aquaculture

AMBUJA CEMENTS LTD.
Sankrail Grinding Unit
W.B.
Pin-711302
P.O.-Dhulagori, P.S.-Sankrail, Dist.-Howrah

FPC winning award from govt Department

FPC winning award from govt Department

Pledge to improve soil health by ACF & ACL staffs and also by the farmers in village programs

Painting with soil by community members during soil health week

Rally with soil health cards & placards with soil health messages

Practical training on soil collection for soil testing

AMBUJA CEMENTS LTD. * Dist.-Howrah

Ambuja Cement Foundation - LC
Indirect Expenses
Group Summary
1-Oct-22 to 31-Mar-23

Particulars	Indirect Expenses Ambuja Cement 1-Oct-22 to 31-Mar-23 Closing Balance	
	Debit	Credit
Agrobased Livlihood Promotion	1326856.32	
Establishment Expenses	656681.50	
Health Care Centre	276045.00	
Health &Sanitation	336266.00	
Rural Infrastructure Development	602624.00	
Skill & Enterprenuirship Development Inst.	1587415.64	
Women Empowerment	380912.00	
Fixed asseats expenses	588396.00	
Grand Total	57,55,196.46	

ANNEXURE – XI

GRAM PANCHAYAT CLEARENCE LETTER

Ambuja Cement

Ref No. ACL/SK/EC-ENV/2011-02
Date: 20/08/2011

To,

The Pradhan
Dhulagori Gram Panchayat

Sub: NOC for Environment Clearance received for our Expansion Project from 1.5 to 2.4 MTPA Cement Grinding Unit at Vill-Dhulagori, PS-Sankrail, Dist-Howrah

Respected Sir,

Like to inform you that we have received Environment Clearance (J 11011/547/2010-IA II (I) Dated 23.06.2011) from MOEF, Delhi for our proposed Expansion Project from 1.5 to 2.4 MTPA Cement Grinding Unit at M/s Ambuja Cements Ltd., Unit-Sankrail, Vill-Dhulagori, PS-Sankrail, Dist-Howrah.

This is for your information and advice (if any) for future course of action.

Thanking You,

For Ambuja Cements Limited
Unit-Sankrail

(Authorized Signatory)

Attachment: EC No. J 11011/547/2010-IA II (I) Dated 23.06.2011

AMBUJA CEMENTS LIMITED
Unit : Sankrail
Jaladhulagori, Vill. & P.O. : Dhulagori, P.S. : Sankrail, Dist. : Howrah (W.B.) - 711302
Phone : 033 - 6608 7100 (4 Lines), Fax : 033 2679 8423
(Regional Off. : "INDICON VIVA", 6th Floor, 53A, Leela Roy Sarani, Kolkata - 700 019, Phone : 033 - 4403 3900, Fax : 2461 7744 / 8413)
(Regd. Off. : P.O. : Ambujanagar, Taluka : Kodinar, District : Gir Somnath, Gujarat - 362715)
CIN Nos. L26942GJ1981 PLC004717, Website : www.ambujacement.com

Ambuja Cements Ltd.

(Unit-Sankrail)

(Capacity : 2.4MTPA)

Plant Area	Plant Buildings & Machinery Area	Others (Rail+Road infra)	Green Belt Area	% of Greenery Area
60.4	22.7	16.8	20.9	34.60%

* All Dimensions are in Acre

AMBUJA CEMENTS LTD. * Sankrail Grinding Unit WB Pin-711302 * P.O. Chhagon, P.S.-Sankrail, Dist.-Howrah

Annexure – XIII

ENVIRONMENTAL STATEMENT

o/c

Ambuja Cement

Received 22/6/2022
Contents Not Verified
W. B. Pollution Control Board
Howrah Regional Office

ACL/SK/ENV/06-22/05
Date: 22.06.2022

To,
The West Bengal Pollution Control Board,
(Department of Environment, Govt. of West Bengal)
Howrah Regional Office,
Minority Bhawan, 5th Floor,
Near Alipore Police Court,
Kolkata: 700027

Kind Attention: **Mrs. Barna Majumder**
Regional Officer (Howrah Regional Office)

Sub: Environment Statement Report of M/s. Ambuja Cements Ltd (Unit: Sankrail) for the year 2021-2022

Madam,

Please find enclosed herewith duly filled Form-V (Rule-14), Environment Statement Report (**2021-2022**) for your kind perusal.

This is for your kind information and necessary records.

Thanking you,
Yours faithfully,

For **Ambuja Cements Ltd.**
Unit: **Sankrail**

AMBUJA CEMENTS LIMITED Unit : Sankrail

Authorised Signatory

AMBUJA CEMENTS LIMITED
Unit : Sankrail
Jaladhulagori, Vill. & P.O. : Dhulagori, P.S. : Sankrail, Dist. : Howrah (W.B.) - 711302
Phone : 033 - 6608 7100 (4 Lines), Fax : 033 2679 8423
(Regional Off. : "INDICON VIVA", 6th Floor, 53A, Leela Roy Sarani, Kolkata - 700 019, Phone : 033 - 4403 3900, Fax : 2461 7744 / 8413)
(Regd. Off. : P.O. : Ambujanagar, Taluka : Kodinar, District : Gir Somnath, Gujarat - 362715)
CIN Nos. L26942GJ1981 PLC004717, Website : www.ambujacement.com