



Ref: ACL (NIg)/EMD/2023/05/94

30th May 2023

Additional Director,
Regional Office (North Central),
Ministry of Environment, Forests & Climate Change,
Government of India
25, Subhash Road, Dehradun - 248001

Sub: Half Yearly compliance of conditions of Environmental Clearance.

Dear Sir,

This has reference to the Environmental Clearance granted to our plant by MoEFCC vide letter no. J-11011/173/2008-IA II (I) dated April 28, 2020.

We are enclosing a point-wise status report from October 2022 to March 2023 on compliance of the stipulated environmental conditions/safeguards of Environmental clearance letter referred above.

Apart from this we are also submitting the report along with all supporting data as soft copy through e-mail address: **moef.ddn@gov.in**.

Distt.Solan (HP

aon P.C

Hope you will find the information in order.

Thanking you.

Yours faithfully,

For Ambuja Cements Limited (Unit: Nalagarh)

**Authorized Signatory** 

Encl: As above

CC - The Member Secretary, - Hard copy

H.P. State Pollution Control Board, Him Parivesh', Phase-III, New Shimla, Shimla-171009, HP

Regional Officer,
HP State Pollution Control Board,
Baddi, Distt. Solan (H.P.)

Hard Copy

Ambuja Cements Limited

Unit - Nalaagarh Village Navagraon, P.O. Jajhra, Tehsil Nalagarh, District Solan HP 174101, India CIN: L26942GJ1981PLC004717 Registered Office:

Adani Corporate House Shantigram, S. G. Highway Khodiyar, Ahmedabad – 382 421 Gujarat, India Ph +91 79-2555 5555

## <u>Compliance of Conditions of Environment Clearance</u>

Name of the Project:

Ambuja Cements Ltd., Village Navagraon, P.O. Jajhra, Tehsil

Nalagarh, Distt. Solan (H.P.) - 174101

Expansion of Cement Plant by enhancing the cement production capacity (1.5 to 2.2 MTPA) in existing standalone grinding unit by

**Process Optimization** 

Clearance letter No.: J-11011/173/2008-IA-II (I) dated  $28^{th}$  April 2020

Period of Compliance: October 2022 to March 2023

S. No.	Condition	Compliance Status
I. Statuto	ory Compliance	Compnance Status
i.	The project proponent shall prepare a site-specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved site-specific conservation plan/Wildlife Management plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report.	1
ii.	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.	The expansion project has not started. Consent to Establish for the proposed expansion is under process. Proposed project will be started only after getting CTE from HP state Pollution Control Board. Presently, the unit is having CTO for 1.5 MTPA of cement production which is valid up-to 31/03/2025.
iţi.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from competent authority concerned in case of drawl of surface water required for the project.	No additional water will be required for the expansion project. We already have the required permission for drawl of ground water from HPGWA. So, the new permission will not be required.
iv.	The project proponent shall obtain authorization under Hazardous and	Authoritation, under Hazardous and Other Waste, management Rules, 2016

Page 1 of 10

	Other Waste management Rules, 2016	as amended from time to time has
	as amended from time to time.	already been obtained and is valid up to 31.03.2024.
TI 45- O	Live Monitoring and Preservation	10 31:03:2024.
II Air Qua	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 vide G.S.R. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrates these systems from time to time according to the equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or	A continuous emission monitoring system has been installed at the process stack to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 vide G.S.R. 612 (E) dated 25th August 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers. The system is calibrated according to the equipment supplier specification.
ii.	NABL accredited laboratories.  The project proponent shall monitor fugitive emission in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	Fugitive emission in the plant premises is being monitored regularly. Last monitoring was done by M/s Environ Tech Laboratory (a NABL accredited laboratory and recognized under Environment (Protection) Act, 1986) on 14th March 2023. Reports are
iii.	The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to main pollutants released (e.g. PM 10 and PM 2.5 in reference to PM emissions and SO <sub>2</sub> and NO <sub>x</sub> in reference to SO <sub>2</sub> and NO <sub>x</sub> emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each) covering upwind and downwind directions.	attached as Annexure 1.  6 manual monitoring stations have already been fixed as per guidance of HP State Pollution Control Board for carrying out Ambient Air Quality Monitoring out of which four are within plant and 2 outside plant. Last monitoring done by M/s Environ Tech Laboratory (a NABL accredited laboratory and recognized under Environment (Protection) Act, 1986) on 14th – 15th March, 2023. All the results were within the prescribed limits. Reports are attached as Annexure 2.
iv.	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and the results of manual stack monitoring and manual monitoring of ambient air quality fugitive emissions to Regional Office of SPCB along with six monthly	s quality and Stack emissions are submitted to regional office HPSPCB, Baddi on monthly basis and online Stack and CAAQMS are connected

	monitoring report	
	momenting report	submitted to HPSPCB. Existing Stack
		emission reports are attached as
v.	Appropriate Air Pollution Contro	Annexure 3.
	(APC) system shall be provided for al	material transfer point is
	the dust generating points including	- The second second conditions
	fugitive dust from all vulnerable	o and material
	sources, so as to comply prescribed	1 July to maintain the Stack
	stack emission and fugitive emission	- Egrecio Cimissionis
	standards	i culturition
"		Existing Stack emission reports are
vi.	The project proponent shall provide	attached as Annexure 3.
	leakage detection and mechanized bag	
	cleaning facilities for better maintenance of bags.	and and a control in the control lied. If
	matteriance of bags.	is done automatically through air
		purging in the system and once the bag
vii.	Pollution control gustom in the	is damaged, it is replaced.
**	Pollution control system in the cement plant shall be provided as per CREP	3 July 1
	guidelines of CPCB.	attached as Annexure – 4
viii.	Sufficient work -	There
	stationary vacuum cleaners shall be	Two numbers of Mobile vacuum
	provided to clean plant roads, shop	cleaners (One Tenant machine and one
	floors, roofs regularly.	truck mounted suction machine) have
	The stop to do to regularly.	been provided in the plant for cleaning
		of plant and the roads inside the plant.
		Apart from this one stationary Vacuum
		cleaning machine is provided for
		cleaning of dust generated in packing
ix.	Ensure covered transportation and	plant area.
	conveying of raw materials to prevent	Clinker, Gypsum and wet fly ash are
	spillage and dust generation; use	transported in covered body trucks.
	closed bulkers for carrying fly ash.	Fly ash is carried by Bulkers/Closed
	Janes My, dolla	body trucks to prevent spillage and dust generation.
X.	Provide wind shelter fence and	Clinker and dry Ely and
	chemical spraying on the raw materials	Clinker and dry Fly ash are stored in Silos and Gynsum, Wet orbon and I
	stockpiles.	Silos and Gypsum, Wet ash are stored in covered shed. In the case of
		exigency if any raw material in the
		exigency, if any raw material is to be
		stored in open area, it will be kept covered to prevent any fugitive
		covered to prevent any fugitive emission.
xi.	Have separate truck parking area and	We have a properly designed Truck
		parking area. Vehicular emission is
		monitored through random checking
		of PUC of the vehicle entering to the
		plant.
di.	Efforts shall be made to reduce impact	All the raw materials and the final
	of the transportation of the raw	product (cement) are transported in
		covered tracks All the conveyor belts
	The state of the s	An the conveyor bens

	surrounding environment including i	n the plant are completely covered.
	agricultural land by the use of covered	
	conveyor belts/railways as a mode of	
	transportation.	
	transportation.	Ventilation systems are designed for
xiii.	Velicities of the second of th	adequate air changes for all tunnels,
		motor houses, and cement bagging
	document for all taxinois, issue	l
	Cement Dagging Plants	plants.
III. Water	Quality Monitoring and Preservation	
i.	l mi	This point is not applicable as there is
••	effluent monitoring system with	no effluent generated from the cement
	respect to standards prescribed in	manufacturing process. However
	Environment (Protection) Rules, 1986	domestic sewage generated is treated
	Environment (Flotection) Rules, 1900	in the Sewage Treatment Plants and
	vide G.S.R. 612 (E) dated 25th August,	100% reused in the Green Belt
	2014 (Cement) and subsequent	Development. Zero Liquid Discharge
	amendment dated 9th May, 2016	
	(Cement) and connected to SPCB and	achieved.
	CPCB online servers and calibrates	
	these systems from time to time	
	according to the equipment supplier	
	specification through labs recognized	
	under Environment (Protection) Act,	
	under Environment (Flotection) ries	
	1986 or NABL accredited laboratories.	Testing of Ground Water quality for
ii.	The project proponent shall monitor	the bore wells has been carried out by
	regularly ground water quality at least	M/s Environ Tech Laboratory (a NABL
	twice a year (pre and post monsoon) at	M/S Environ Tetil Laboratory (a Miles
	sufficient numbers of piezometers/	accredited laboratory and recognized
	sampling wells in the plant and	under Environment (Protection) Act,
	adjacent areas through labs recognized	1986) on 14th March 2023. The reports
	under Environment (Protection) Act,	are attached as Annexure - 5
	1986 or NABL accredited laboratories.	·
	1900 OF NABL accredited laboratories	Continuous effluent Monitoring is not
iii	. The project proponent shall submit	applicable as there is no effluent
Į.	monthly summary report of continuous	generated from the process. However
	effluent monitoring and the results of	1 2 1000/
	manual effluent testing and manual	the freated waste water is 250 %
	monitoring of ground water quality to	reused for greenbelt development. Last
	Regional Office of MoEF&CC, Zonal	sampling done by M/s Environ Tech
	office of CPCB and Regional office of	Laboratory (a NADE accredited
	SPCB along with six monthly	laboratory and recognized unde
	monitoring report	Environment (Protection) Act, 1900
}	Trigutering report	on 14th March 2023. The reports are
		well within the limits and attached a
		Annexure - 6.
		Zero liquid discharge is maintained.
i	v. Adhere to 'Zero Liquid Discharge'.	- 6.6
,	v. Sewage treatment plant shall be	Two numbers of Sewage treatmer
	provided for treatment of domestic	Plants have been provided for the
	wastewater to meet the prescribed	I I treatment of nomestic sewage and co
İ	standards.	treated sewage water is 100% re use
		treated sewages vater is 100% re use for green et development in plant.
		13/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

Navagrao

[		
V	The service of the se	l There is no open stockpile. All the raw
	be provided for each stockpile to arres	t materials are either stored in
	the run-off in the event of heavy rains	Silos/sheds or kept covered
	and to check the water pollution due to	7
	surface run off.	
vii	1 -) Proposite state practice	
	rainwater harvesting to maximum	are provided and connected with
	possible extent.	proper drainage system to collect the
		water.
viii.	provided at the	
	inlets to all processes in the cement	Water meter has been provided at the
a, market	plant.	inlet of grinding mill to capture the
		water consumption in the grinding
ir	The project	process.
ix.	1 - J P Dittil Illance	All the possible efforts are made to
	efforts to minimize water consumption in the cement plant complex by	minimize the water consumption in
	plante complex by	the plant. 100% of treated water is
	segregation of used water, practicing	J
	cascade use and by recycling treated water.	
IV. Noise	Monitoring and Preservation	time.
i.	Noise Level survey shall be carried as	N
	per the prescribed guidelines and	Noise Level monitoring done by M/s
	report in this regard, shall be	Environ Tech Laboratory (a NABL
	submitted to Regional Officer of the	accredited laboratory and recognized
	Ministry as a part of six-monthly	under Environment (Protection) Act, 1986) on 14th March 2023. Report is
	compliance report.	attached as Annexure - 7.
ii.	The ambient noise levels should	Ambient Noise conform to the
	conform to the standards prescribed	standards prescribed under E(P)A
	under E(P)A Rules, 1986 viz. 75 dB(A)	Rules, 1986 viz. 75 dB(A) during
	during day time and 70 dB(A) during	daytime and 70 dB(A) during
***************************************	night time.	nighttime.
V. Energy	Conservation Measures	
i.	Provide Solar Power Generation on	Solar water heating systems have been
	roof tops of the buildings, for solar light	installed at Canteen, bachelor's
THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS	system for all common areas, street	accommodation, truck parking area
	lights, parking around project area and	and truck yard. Solar lighting is
	maintain the same regularly.	provided at roof top of Central Control
		Room building and maintained
**		regularly.
li.	Provide the project proponent for LED	LED lights/bulbs are provided in all
-	lights in their offices and residential	the offices.
iiì.	areas.	
111.	Maximize utilization of Fly ash, slag and	Every effort is being made to maximize
	sweetener in the cement blend as per	the usage of fly ash in cement up to
	BIS standards.	35% as per BIS Standards. But
	and the second s	availability of fly ash is an issue. So, we
	gradient of her or	are a some possibility of
		used work which is lying in
		Tel Whiston
Marin 200	Maria de la companya del companya de la companya de la companya del companya de la companya de l	1 1 10 n S010 n n 1 温

ļ		abundance in the vicinity of Thermal Plants causing health and environmental problems to the community.
VI. Waste	Management	
i,	The waste oil, Grease and other hazardous shall be disposed of as per the Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016	All the Hazardous wastes generated in plant are disposed to the authorized vendors as per the Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016
ii.	Kitchen waste shall be composted or converted to biogas for further use.	Two numbers of Organic Bio- Composters have been installed in the plant to convert the Kitchen waste into Bio-compost. Leachate generated is also used as Bio-Pesticide.
VII. Green	Belt	
i.	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Greenbelt has been developed in and around the plant premises with native tree species in accordance with CPCB guidelines. Total Green cover is more than 35% of the total area.
ii.	The project proponent shall prepare GHG emission inventory for the plant and shall submit the programme for reduction of the same including Carbon sequestration including plantation.	The condition will be complied.
VIII. Publ	ic Hearing and Human Health Issues	
i.	Emergency Preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency Preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and disaster Management Plan has been made and implemented.
ii.	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act	Personal Protective Equipment has been provided to each & every individual.
iii.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after completion of the project.	proposed project, so this point is no applicable. Provisions have already been made for the present manpowe in the existing plant.
iv.	Occupational Health Surveillance of the workers shall be done on regular basis and records maintained as per the	the workers is being done on regula

	Factories Act.	18 11
IX Com	porate Environment Responsibility.	occupational health centre.
i.	The Project Proponent shall comply	Py
4.	with the provisions contained in this	
		· · · · · · · · · · · · · · · · · · ·
	Ministry's OM vide F.No.22-65/2017-	1 11
	IA.III dated 1st May 2018, as applicable,	1
	regarding Corporate Environment	responsibility will be followed.
ìi.	Responsibility.	
11.	The company shall have a well laid	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	down environmental policy duly	Environmental Policy duly approved
	approved by the Board of Directors.	by Executive Committee of the
	The environmental policy should	Company. The same will be taken for
	prescribe for standard operating	Board's resolution.
	procedures to have proper checks and	
	balances and to bring into focus any	
	infringements/ deviations/ violations	
	of the environmental/ forest/ wildlife	
	norms/ conditions and/ or	
	shareholders/ stake holders. The copy	
	of the board resolution in this regard	1 1 3
	shall be submitted to the MoEF&CC as a	
	part of six-monthly report.	
ÌÌ.	A separate Environmental Cell both at	A separate Environmental Cell both at
	the project and company headquarter	the project and company headquarter
	level with qualified personnel shall be	level with qualified personnel has been
	set up under the control of senior	set up under the control of senior
	Executive, who will directly to the head	Executive who directly report to the
	of organization.	head of organization.
iv.	Action plan for implementing EMP and	The proposed project has not been
	environmental conditions along with	started yet. The point shall be
	responsibility matrix of the company	complied.
	shall be prepared and shall be duly	•
	approved by competent authority. The	
	year wise funds earmarked for	
	environmental protection measures	•
	shall be kept in separate account and	
	not to be diverted for any other	
	purpose. Year wise progress of	
	implementation of action plan shall be	
	reported to the Ministry/Regional	
	Office along with the six-monthly	·
	compliance report.	
V.	Self-environmental audit shall be	Self-environmental audit conducted
	conducted annually. Every three years	annually for the existing project and
	third party environmental audit shall	shall be complied after proposed
	be carried out.	expansion. Third party environmental
		audit shall be carried out as per the
	in the state of th	condition,
vi,	All the recommendations made in the	All the recommendations made in the
	The second state of the second state of the second	att
		(E (10 M SUNON OL) SE
		Page 7 of 10

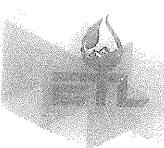
	Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented	charter of Corporate Responsibility for Environment Protection (CREP) for the cement plants have already been implemented and attached as attached as <b>Annexure – 4</b>
X. Miscella	aneous	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State of which one shall be in vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Environmental clearance granted for the project along with the environmental conditions and safeguards was published in two local newspapers of the district or state, one in Hindi and the other one in English within seven days of issue i.e., on 6th May 2020. The copies of newspaper cuttings have been submitted with half yearly compliance from April 2020 to September 2020 through email dated 30.09.2020.  The same had also been displayed in the company's website.
ii.	The copies of the environmental clearance shall be submitted by the project proponent to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	The copies of Environmental Clearance letter have been submitted to the concerned Governmental authorities as well as the local bodies/ Panchayats. The copies/ receipts have already been submitted with half yearly compliance from April 2020 to September 2020 through email dated 30.09.2020.
iii.	The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitoring data on their website and update the same on half yearly basis.	This compliance report will be uploaded on the company's website.
iv.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient level as well as stack emissions) or critical sectorial parameters, indicated for the project and display the same at a convenient location for disclosure to the public and put on the website of the company.	The Criteria pollutants level namely; PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient level as well as stack emissions) are monitored through online monitoring station and are connected with CPCB and HPSPCB online which is put at public domain by HP State Pollution Control Board for the disclosure to the public.
V.	The project proponent shall submit sixmonthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forests and Climate Change at Environmental Clearance portal	Six-monthly reports on the status of the compliance of the stipulated environmental conditions is submitted regularly and posted on the ministry of Environment, Forests and Climate Change at Environmental Clearance portal.

Navagraon

xii. xiii.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986  The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.  The ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.  The Regional Office of this Ministry shall monitor compliance of the	The point has been noted and accepted.  The point has been noted and accepted.  The point has been noted.
xiĭį.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986  The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.  The ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.  The Regional Office of this Ministry	The point has been noted and accepted.  The point has been noted and accepted.  The point has been noted.
xiĭį.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986  The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.  The ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.  The Regional Office of this Ministry	The point has been noted and accepted.  The point has been noted and accepted.  The point has been noted.
xiĭį.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986  The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.  The ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	The point has been noted and accepted.  The point has been noted and accepted.
	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986  The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.  The ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these	The point has been noted.  The point has been noted and accepted.
	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986  The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.  The ministry reserves the right to stipulate additional conditions if found necessary. The company in a time	The point has been noted.  The point has been noted and accepted.
	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986  The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.  The ministry reserves the right to stipulate additional conditions if found	The point has been noted.  The point has been noted and accepted.
	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986  The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.  The ministry reserves the right to	The point has been noted.  The point has been noted and accepted.
	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986  The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	The point has been noted.  The point has been noted and accepted.
XII.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986  The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not	The point has been noted.  The point has been noted and
XII.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986  The ministry may revoke or suspend the clearance, if implementation of any	The point has been noted.  The point has been noted and
XII.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986  The ministry may revoke or suspend	The point has been noted.  The point has been noted and
7.711	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986	The point has been noted.
	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection)	
	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the	
	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental	
	Concealing factual data or submission of false/fabricated data may result in	
	Concealing factual data or submission	
хi.		
	Change (MoEF&CC)	
	Environment, Forests and Climate	Ministry of Environment, Forests and
	prior approval of the Ministry of	only after getting approval from the
	the plant shall be carried out without	expansion or modification will be done
Х,	No further expansion or modification in	The point has been noted and further
	Appraisal Committee	
	during their presentation to the expert	Appraisal Committee shall be fulfilled.
	during Public Hearing and also that	the presentation to the expert
Politochanida	EIA/EMP report, commitment made	during Public Hearing and that during
***	recommendations made in the	EIA/EMP report, commitment made
	all the commitments and	recommendations made in the
ix.	The project proponent shall abide by	All the commitments and
1	State Government.	
	State Pollution Control Board and the	Government will be adhered.
	adhere to the stipulations made by the	Pollution Control Board and the State
viii.	The project authorities must strictly	All the stipulations made by the State
Y 711 Y	production operation by the project.	
	the land development work and start of	
	concerned authorities, commencing of	
	approval of the project by the	
	the date of financial closure and final	not yet been started.
	Regional Office as well as the Ministry,	April 2020. The project activities have
vii.	The project proponent shall inform the	EC was granted by MoEF&CC on 28th
		put on the company's website.
	the website of the company.	subsequently. The same will also be
	as amended subsequently and put on	(Protection) Rules, 1986 as amended
	Environment (Protection) Rules, 1986	prescribed under Environment
	Board as prescribed under	
VIII TO COLORADA	concerned State Pollution Control	
	financial year in Form-V to the	
	environmental statement for each	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
vi.	The project proponent shall submit the	Environmental statement for each

		,
	stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.	
XV.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and other orders passed by Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to	
xvi.	the subject matter.  Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 This issues with the approval of Competent Authority.	





CPCB Recognized under Environment (Protection) Act, 1986; OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059 Mob. 9464000081, 9417220081. 941<mark>7210081, (0)</mark> 94630-00081, 0172-4630081 GSTIN: 038PEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/233505

Te) M/s ambuja cement limited VILLAGE NAVAGAON, TEHSIL NALAGARH DISTRICT SOLAN, HIMACHAL PRADESH

Report No.	ETL/44/2023/G/232817	Report Date	1 29.03.06.3
Customer Ref. No.	NIL	Type of Sample	
Sample Code Given by	NIL	Date of Sampling	Weak Zor F programberen
Customer		oute or parithring	1 4 March 2 & 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Sampling Location	Packing Floor	Date of Sample Research	E IT The terror
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	
Sampling Procedure	ETL/STP/26	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND	15.03 20 1 1-70 a 1 20 23
estitistikitik titottiiit	ETL/STP/26	Date of testing	15.03 2

î.[Vi	TECHNICAL DATA	
Î	Location of Sampling Station	Packing Floor
2	Source of Sampling	Fugitive Emission
	Temperature of Sampling Location	29°C
rJ.	Environmental Condition	Max temp, 30°C Min temp, 18°C
ξ	Flow Rate of Sampling	150 LPM
(ı	Time Period for Sampling	480 min

C 7-1	The last the second sec			
S.No.	PARAMETERS	RESULTS	Limit(mg/mg/mg).	1 SECUCION 1
		ug/m3	(as per Factory and	Delete sur
			1948(Section-4   F)	t. Her
1.	Suspended Particulate Matter	6,9	10	1 7 46 707
	(SPM)			
Marie	The second of th			1.

Nate:

1. The test report refers only to tested sample and applicable parameters.

2. This report can neither be used as evidence in the court of law nor can it be used in part or full to any media without prior permission.

The sample will be destroyed after thirty days from the date of issue of their space orders software su specified.

\* End of Report\*



1/8



CPCB Recognized under Environment (Protection) Act, 1986; OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059 Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P TEST REPORT

DISPATCH No:-ETL/DSP/233506

To M/s AMBUJA CEMENT LIMITED VILLAGE NAVAGAON, TEHSIL NALAGARH DISTRICT SOLAN, HIMACHAL PRADESH

Report No.	ETL/44/2023/G/232818	Report Date	29.03.2023 .
Customer Ref. No.	NIL	Type of Sample	Work Zone Fogitive mission
Sample Code Given by	NIL	Date of Sampling	14.03.2073
Customer			
Sampling Location	Flyash Loading Area	Date of Sample Receipt	15,03,2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/6/2818
Sampling Procedure	ETL/STP/26	Date of testing	15.03.2023-29.03.2023

S.No	TECHNICAL DATA			
j	Location of Sampling Station	Flyash Loading Area		
2	Source of Sampling	Fugitive Emission		
3	Temperature of Sampling Location	29°C		
4	Environmental Condition	Max temp. 30° C Min temp. 18° C		
5	Flow Rate of Sampling	≥1.0 LPM		
ő	Time Period for Sampling	480 min		

S.No.	PARAMETERS	RESULTS ug/m3	Limit(mg/m³) (as per factory ast 1948(Section-44 F)	TEST METROD
Į.	Suspended Particulate Matter	7.5	10	Migst 0509
·	(SPM.)			and produce an agree of the product of the country

## Note:

1. The test report refers only to tested sample and applicable parameters.

2. This report can neither be used as evidence in the court of law nor can it be used in pairt or full in any media without prior permission.

The sample will be destroyed after thirty days from the date of issue of test reportunitess attracted specified.



\*End of Report\*

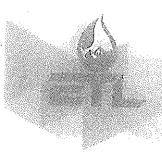


Zamica/Mad/ger Environ Tech Laboratories

guatocy)

Page 1 of 1

2/8



CPCB Recognized under Environment (Protection) Act, 1986; OHSAS ISO 45003:2018

Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059 Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/233507

To M/s AMBUJA CEMENT LIMITED VILLAGE NAVAGAON, TEHSIL NALAGARH DISTRICT SOLAN, HIMACHAL PRADESH

Report No.	ETL/44/2023/G/232819	Report Date	29.03.2031
Customer Ref. No.	NIL	Type of Sample	Work Zon. Poping Chilesion
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2673
Sampling Location	Gypsum Londing Area	Date of Sample Receipt	<u>                                     </u>
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	RTS/12/2023/6/2019
Sampling Procedure	ETL/STP/26	Date of testing	15.03.2071-290762023

Säve		TECHNICAL DATA
	Location of Sampling Station	Gypsum Loading Area
2	Source of Sampling	Fugitive Emission
	Temperature of Sampling Location	29°C
<u>.</u> }	Environmental Condition	Max temp. 30° C Min temp. 18° C
5	Plow Rate of Sampling	T.CEPM
6	Time Period for Sampling	480 min

S.No.	PARAMETERS	RESULTS	Limit(mg/m <sup>3</sup> )	TIST WE AND	
		ug/m3	(as per Factory act		i i i
			1948(Section-43-F)		
1,	Suspended Particulate Matter	8.1	10	ECKIE CEM	
	(SPM)				a de la composition della comp

### Note:

The test report refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it be used in part or fish as any media without prior permission.

The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

\*End of Report\*

Disti. Selon (III) P#1.17410

Y<sub>C</sub>

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Sharing in the Company of Ambient Air, Sharing in t Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring Email: environtechlab72@yahoo.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSE



CPCB Recognized under Environment (Protection) Act, 1986; OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059 Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. 8PEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/233508

To M/s AMBUJA CEMENT LIMITED VILLAGE NAVAGAON, TEHSIL NALAGARH DISTRICT SOLAN, HIMACHAL PRADESH

Report No.	ETL/44/2023/G/232820	Report Date	29.03.2023
Customer Ref. No.	NIL	Type of Sample	Work Zone Pognace   mission
Sample Code Given by	NIL	Date of Sampling	国.03.2023
Customer			grant and the second se
Sampling Location	Loading Floor	Date of Sample Receipt	
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/G/28/30
Sampling Procedure	ETL/STP/26	Date of testing	15.03.2073-29 03.2023

S.No	TECHNICAL DATA				
1	Location of Sampling Station	:	Loading Floor		
2	Source of Sampling		Fugitive Emission		
3	Temperature of Sampling Location	. 4 da	29°C		
d	Environmental Condition	+ 17 + 23 1 8 4	Max temp. 30°C Min temp. 18°C		
5	Flow Rate of Sampling	1)	1.0.LPM		
6	Time Period for Sampling		480 min		

S.No.	PARAMETERS	RESULTS	Limit(mg/m³)	TEST MECHOD
		ug/m3	(as per Factory act	
	La Nación du		1948(Section-41-F)	
1.	Suspended Particulate Matter (SPM)	7,6	10	NIOSH 0560

### Note:

The test report refers only to tested sample and applicable parameters

This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.

3. The sample will be destroyed after thirty days from the date of issue of test report unless after the use

specified.

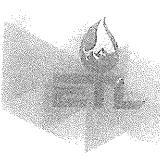


\*End of Report\*



418

Saviron Archipelgestans a



CPCB Recognized under Environment (Protection) Act, 1986; OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059 Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/2335059

To M/s AMBUJA CEMENT LIMITED VILLAGE NAVAGAON, TEHSIL NALAGARH DISTRICT SOLAN, HIMACHAL PRADESH

Report No.	ETL/44/2023/G/232821	Report Date	1 29.03.26.23
Customer Rof. No.	NIL.	Type of Sample	Work Zone Fuglishe temporion
Sample Code Given by Customer	NIL	Date of Sampling	14.03.20% s
Sampling Location	Weigh Bridge	Date of Sample Receipt	15.03.20.1
Sample Collected By	K.K.Mishra, Field Officer	The same of the sa	#117 02/ 02// 2021
Sampling Procedure	ETL/STP/26	Date of testing	15.02.202 (-250) (-200)

SJVo		TECHNICAL DATA
1		THE COLUMN TWO IS A STREET OF THE CO
	Location of Sampling Station	Weigh Bridge
Pg No Particular	Source of Sampling	Pugifive Emission
Ĵ.	Temperature of Sampling Location	29°C
4) .	Environmental Condition	Max temp, 30°C Min remp, 18°C
5	Flow Rate of Sampling	1.0 LPM
6	Time Period for Sampling	480 mln

S.No.	PARAMETERS	RESULTS	Limit(mg/m <sup>3</sup> )	TEST VETTION 1
	·	ug/m3	(as per Factory and	a promote de
	the control of the co		1948(Section-41-1)	Į.
	Suspended Particulate Matter	8.3	10	F100 T. 25004 1
	(SPM)			

### Note:

4. The test report refers only to tested sample and applicable parameters.

5. This report can neither be used as evidence in the court of law nor can it be used in part or full or media without prior permission.

The sample will be destroyed after thirty days from the date of issue of test report matrix after the specified.

\*End of Report\*

(Author put knatory)

Coments (Author Section Comments of the 
Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission, Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring Email: environtechlab72@yahoo.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSE



CPCB Recognized under Environment (Protection) Act, 1986; OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059 Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/ 2335010

To M/s AMBUJA CEMENT LIMITED VILLAGE NAVAGAON, TEHSIL NALAGARH DISTRICT SOLAN, HIMACHAL PRADESH

Report No.	ETL/44/2023/G/232822	Report Date	29.03.2023
Customer Ref. No.	NIL	Type of Sample	Work Zone Engitive Emission
Sample Code Given by	NIL	Date of Sampling	14.03.2023
Customer			The second section of the section of th
Sampling Location	Hopper Building	Date of Sample Receipt	15,05,2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	6f1,/32/2020,0/2022
Sampling Procedure	ETL/STP/26	Date of testing	15.67.267.4 29 0 (2023

S.No	TECHNICAL DATA					
1	Location of Sampling Station	Hopper Building				
	Source of Sampling	Fugitive Emission				
3	Temperature of Sampling Location	29°C				
ı <u>t</u>	Environmental Condition	Max temp. 30° C Min temp. 18° C				
5	Flow Rate of Sampling	1.0 LPM				
6	Time Period for Sampling	480 min				

S.NG.	PARAMETERS	RESULTS	Limit(mg/m³)	अंश्वर कहारे में 00
		ug/m3	(as per Factory act 1948(Section-41-F)	
1.	Suspended Particulate Matter (SPM )	7.2	10	NIOSH ASOU

### Note:

The test report refers only to tested sample and applicable parameters.

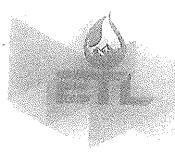
This report can neither be used as evidence in the court of law nor can it be used in part or fill in any media without prior permission.

The sample will be destroyed after thirty days from the date of issue of test report unless other wase

Report\*

specified.

Tecanical Services 1 on 1 Environ restriction cons



CPCB Recognized under Environment (Protection) Act, 1986; OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase -Vii, Sector-73, Mohali, Punjab- 160059 Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/2335011

TEST REPORT

To M/s Ambuja cement limited VILLAGE NAVAGAON, TEHSIL NALAGARH DISTRICT SOLAN, HIMACHAL PRADESH

The same was a supply and a supply a supply and a supply a supp			
Report No.	ETL/44/2023/G/232823	Report Date	F
Customer Ref. No.	NL		29.00.261.3
Sample Code Given by	NII.	Type of Sample	Work Car Frence Luis on
Customer	ATT	Date of Sampling	14.03.26_3
Sampling Location	Clinker Tippler	Date	i grante en
Sample Collected 13y	K.K.Mishra, Field Officer	Date of Sample Receipt	15.03.2023
Sampling Procedure	The state of the s	Sample I.D.	ETI/32/2021/0/2823
Sample of Control of	ETL/STP/26	Date of testing	15.03.20 1.29.05.2023
		The state of the s	,

5.(¥6)		TECHNICAL DATA	* ***	
	Location of Sampling Station	Clinker Tippler	the second of th	
	Source of Sampling	Fugitive Emission	195.00	
	Temperature of Sampling Location	29°C	The state of the second second	
4	Environmental Condition	Max temp. 30°C	the same of the same	e
- <u>-</u>	Flow Rate of Sampling	Min temp. 18°C	* * * · · · · · · · · · · · · · · · · ·	
()	Time Period for Sampling	1.0 LPM	en de la companya de	******
	1 une 1 errog for Sambring	480 min	The first seems of the first see	/

S.No.	PARAMETERS	RESULTS	Limit(mg/m³)	TEST MESTHIN	
-		ug/m3	(as per Factory act		
1.	Surrounded Book - 1		1948(Section 42-6)		
	Suspended Particulate Matter (SPM.)	8.2	1.0	Esocia eson	
L	(DLM)			*	ļ

### Note:

7. The test report refers only to tested sample and applicable parameters

8. This report can neither be used as evidence in the court of law nor can it be used in part or full is any media without prior permission.

 The sample will be destroyed after thirty days from the date of issue of test report ruless other a use specified.

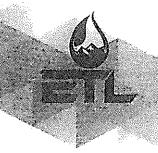
\*End of Report\*

Teh Maragraph &

Antoun Still II Edini 122 Sin III Edini Education Egy I of I Lawten I of Caloranges

718

Testing of Water, Waste Water, Soll, Biological Testing; Monitoring of Ambient Air, Stack Emission, Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring Email: environtechlab72@yahoo.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSE



CPCB Recognized under Environment (Protection) Act, 1986; OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059 Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081 GSTIN: 038PEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/2335012

To M/s AMBUJA CEMENT LIMITED VILLAGE NAVAGAON, TEHSIL NALAGARH DISTRICT SOLAN, HIMACHAL PRADESH

Report No.	ETL/44/2023/G/232824	Report Date	29.03.2023
Customer Ref. No.	NIL	Type of Sample	Work Zon Fagitive emission
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023
Sampling Location	VRM Building	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/G/2824
Sampling Procedure	ETL/STP/26	Date of testing	15.03.2023-29.71.2023

S.No		TECHNICAL DATA
1	Location of Sampling Station	VRM Building
2	Source of Sampling	Fugitive Emission
3	Temperature of Sampling Location	29°C
4	Environmental Condition	Max temp. 30° C Min temp. 18° C
5	Flow Rate of Sampling	1.0 LPM
6	Time Period for Sampling	480 min

S.No.	PARAMETERS	RESULTS ug/m3	Limit(mg/m³) (as per Factory act 1948(Section-41-F)	TEST METHOD
1.	Suspended Particulate Matter (SPM )	8.1	10	\$10\$1: 9500

### Note:

7. The test report refers only to tested sample and applicable parameters.

 This report can neither be used as evidence in the court of law nor can it be used in part of full many media without prior permission.

The sample will be destroyed after thirty days from the date of issue of test report intest otherwise

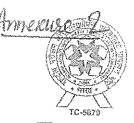
specified.

Autho Dulknatory

2 ... Table State 
8/8



MoBF & CC Recognized, ONSAS ISO 45001:2018 Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BREPS9693P1ZV, PAN No. BPEPS9693P





### TEST REPORT

DISPATCH No:-ETL/DSP/23 33 8 9

M/s ambuja cement limited (unit-nalagarh) VILLAGE NAVAGRAON, P.O JAJHRA TEH, NALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232793		
Customer Ref. No.		Report Date	29.03.2023
	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NII.		<u> </u>
	1816	Date of Sampling	14.03.2023 -15.03.2023
Sampling Location	I there is a second of the sec		
Sample Collected By	Labour Huttuent towards Jujhra	Date of Sample Receipt	15.03.2023
	K.K.Mishca , Field Officer	Sample LD.	57075 173.75 177 miles
Sampling Procedure	ETL/STP/27		ETL/32/2023/2793
And the second s	The second secon	Date of testing	15.03.2023 - 29.03.2023

S.No	TECHNICAL DATA
	673 3 X400 A.S.
Location of Sampling Station	(PART-A)
2 Instrument Used for Sampling	Station no.1 (Labour Hubnert towards Jujuru)
3 Source of Sampling	RDS, PM25, Sampler & Gaseous Sampler
Temperature of Sampling Location	Ambient Alt
5 Environmental Condition	30 °C
way onnehita Condition	Max temp. 32°C
	Min temp. 15°C
6 Flow Rate of Gaseous Sampling	Clear sky, whild direction West to South
7 Time Period for Sampling	0.2 LPM
Volume of air Sampled(m³)	1410 Min
Lamber of our squibled up.	1.39

í	S.No.	The state of the s				
į.	(F.1843.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
į	1.	Respirable Suspended Particulate Matter(PM <sub>16</sub> )	85.3	100.0 µg/m²	· ·	15:5 (82(Pt-23):2006, Realfirmed 2017
	2.	Sulphur Dioxide (SO <sub>3</sub> )	9.1	110.0 pg/m3		IS:5182[Pt-2]: 2001, Reaffirmed 2017
	3.	Nitrogen Diaxide (NO <sub>2</sub> )	23,4	710.0 kg/m <sup>3</sup>		) C.E (025D) (2.70) (4.70)
	4.	Fine Particulate Matter (PM <sub>25</sub> )	42.1	60.0 jig/m³	د الله الله الله الله الله الله الله الل	15:5.182[Pt-6]:2006, Reaffirmed 2(1):7 15:5182[Pt-24]:2019

### Note

The last report refers only to rested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

Nevaul?

Fortional Margare Barnes Tech Laboratories

Page 1 0/2

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX Email: environtechlab72@yahco.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSES



MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

**TEST REPORT** 

DISPATCH No:-ETL/DSP/23 3389

M/s AMBUJA CEMENT LIMITED (UNIT-NALAGARH) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101

Donaut	No	ETL/44/2023/G/232793	Report Date	29.03.2023	
Report No. Customer Ref. No.		2800943057/NE29/07.03.2023	Type of Sample	Ambient Air	
Sample	Code Given by Customer	NIL	Date of Sampling	14.03.2023 -15.03.2023	
Camuli	ng Location	Labour Hutment towards Jujhru	Date of Sample Receipt	15.03.2023	
	Collected By	K.K.Mishra , Field Officer	Sample LD.	ETL/32/2023/2793	
	ng Procedure	ETL/STP/27	Date of testing	15.03,2023 -29,03,2023	
S.No	Ţ!		ECHNICAL DATA (PART-B)		
1	Location of Sampling Stati	031	Station no.1 (Labour Hutment towards Jujhru  RDS, PMzs , Sampler & Gaseous Sampler  Ambient Air  30°C		
2	Instrument Used for Samplit	ig			
3	Source of Sampling				
4	Temperature of Sampling Lo	ecation			
5	Environmental Condition		Max temp. 32° €		
_			Min temp. 15 °C		
		21	Clear sky, wind direction West to South		
6 Flow Rate of Gaseous Sampling		ling	1 LPM & ZLPM 1440 Min		
7	7 Time Period for Sampling				
Я	Volume of air Sampled(m3)		1.39		

	4.00			<u> </u>	TECT METION
Sr.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
No.				<u> </u>	18:5182(P-10) Jodine Pentiloxide method
1	CO	BDF	4.0 mg/m <sup>3</sup> (1 hr)	0.5 µg/m <sup>3</sup>	
	Nickel (Ni)	BDL	20.0 ng/m³	15.ng/m <sup>3</sup>	IS 5182(Pt-26):2020
- 2	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
3	Lead (Pb)	Bul	1.0 µg/m³	0.1 ng/m <sup>3</sup>	IS 5182(Pt-26);2020
	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL.	5.0 µg/m³	0.5 µg/m <sup>3</sup>	IS 5182(Pt-11):2006
3	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m³	1.0 ng/m³	IS 5182(Pt-12):2004
6		BDL	400.0 µg/m³	20 μg/m <sup>3</sup>	IS 5182(Pt-25):2018
7	Animonia (NH <sub>3</sub> )	BDL	180.0 µg/m³ (1 hr)	5.0 µg/m <sup>3</sup>	CPGB Guideline

Note:

BDL denotes below detection limit

1. The test report refers only to tested sample and applicable parameters

2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.

3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

d Signatory)

Technical Manager

Ensuine Tech Laboratores

Page 2 of 2

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX Email: environtechlab72@yahoo.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSES



MoEF & CC Recognized, OHSAS ISO 45001:2018 Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 150059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

DISPATCH No:-ETL/DSP/233390

Ϋ́ M/s ambuja cement limited (unit- nalagarii) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101



Report Na.	ETL/44/2023/G/232794	Report Date	29.03.2023
Customer Ref. Na.	2800943057/NE29/07.03.2023	Type of Sample	Amblent Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 - 15.03.2023
Sampling Location	Station No.2, Near Rain Water Harvesting structure	Date of Sample Receipt	15.03.2023
Sample Collected By	KK,Mishra , Field Officer	Sample LD.	ETL/32/2023/2794
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	The state of the s	TECHNICAL DATA				
		(PART-A)				
1	Location of Sampling Station	Station No.2, Near dain Water Harvesting structure				
2	Instrument Used for Sampling	RDS, PM2s, Sampler & Gaseous Sampler				
3	Source of Sampling	Ambient Air				
4	Temperature of Sampling Location	300 C				
5	Environmental Condition	Max temp. 32°C				
		Min temp. 15°C				
r r		Clear sky, wind direction West to South				
Ü	Flow Rate of Gaseous Sampling	0.2 LPM				
7	Time Period for Sampling	1440 Min				
H	Volume of air Sampled(m³)	143				

S.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Matter( PM <sub>10</sub> )	83.7	100.6 µg/m <sup>3</sup>	and the state of t	(S:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur Dioxide (502)	9.3	:80.0 µg/m³		15:5182(Pt-2): 2001, Reaffirmed 2017
3, [	Nitrogen Dioxide (NO <sub>2</sub> )	22.5	80.0 µg/m³		IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter ( PM <sub>2.5</sub> )	41,3	60,0 µg/m³		IS: 5182(Pt-24):2019

The test report refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.

The sample will be destroyed after thirty days from the date of usue of test report unless otherwise specified.

Signatory)

Testsikal Mepacer Environ Tech Librarians

Page 1 Of 1

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX Email: environtechlab72@yahoo.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSES



MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081

GSTIN: 03BPEPS9693P4ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/23 3390

TO M/s AMBUJA CEMENT LIMITED (UNIT-NALAGARH) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232794	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023-15.03.2023
Sampling Location	Station No.2, Near Rain Water Harvesting structure	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishim, Field Officer	Sample LD.	ETL/32/2023/2794
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	TECHNICAL DATA (PART-B)			
	Location of Sampling Station	Station No.2 Near Rain Water Harvesting structure		
2	Instrument Used for Sampling	RDS, PM <sub>2.5</sub> , Sampler & Gaseous Sampler		
3	Source of Sampling	Ambient Air		
4	Temperature of Sampling Location	30°C		
5	Environmental Condition	Max temp. 32° C		
		Min temp. 15°C		
		Clear sky, wind direction West to South		
6	Flow Rate of Gaseous Sampling	1 LPM & 2LPM		
7	Time Period for Sampling	1440 Min		
В	Volume of air Sampled(m³)	1.43		

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	СО	BDL	4.0 mg/m³ (1 hr)	0.5 µg/m³	IS:5182(P-10) Indine Pentaoxide method
2	Nickel (Ni)	BDL	20.0 ng/m³	15 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
.3	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m³	IS 5182(Pt-26):2020
4	Lead (Pb)	BDL	1.0 µg/m³	0.1 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
5	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL	5.0 ug/m <sup>(</sup>	0.5 μg/m³	IS 5182(Pt-11):2006
6	Benzo(a)pyrene (BaP)	BDL	1:0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS 5182(Pt-12):2004
7	Ammonia (NH <sub>3</sub> )	BDI.	400.0 μg/m³	20 μg/m³	IS 5182(Pt-25):2018
8	Ozone (O <sub>3</sub> )	BDL	180.0 µg/m³(1 hr)	5.0 µg/m³	CPGB Guideline

### Note:

BDI, denotes below detection limit

1. The test report refers only to tested sample and applicable parameters.

2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.

3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

uthofized Signatory)

Tensor that the English Residents

Page 2 of 2

4/12

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX-Email: environtechlab72@yahoo.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSES



MoEF & CC Recognized, OHSAS ISO 45001:2018 Plot No. C-101, Industrial Area. Phase VII, Sector 73, Mohali, Punjab - 180059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4638081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

DISPATCH No:-ETL/DSP/23 33 91

M/s ambuja cement limited (unit- nalagarh) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101

Andrew Control Million Control							
Report No.	ETL/44/2023/G/232795	The second secon	and the same of th				
Customer Ref. No.	2800943057/NE29/07.03.2023	Report Date	29.03.2023				
	2000343037/8623/07,03.2023	Type of Sample	Amblent Air				
Sample Code Given by	NIL	Community of the Commun					
Customer	, Will	Date of Sampling	14.03,2023 - 15.03,2023				
Sampling Location	Station No.3 Near Administrative	Date of Sample Receipt	13' 50' 3111111				
	building	and completed in	15.03.2023				
Sample Collected By	K.K.Mishra , Field Officer						
Sampling Procedure	ETL/STP/27	Sample LD.	ETL/32/2023/2795				
Commence of the comment of the comme	E11/211/4/	Date of testing	15.03.2023 -29.03.2023				
a discount of the control of the con		The state of the s	and the same of th				

S.No		The state of the s
17.18£)F		TECHNICAL DATA
j	I seem the see the man the a transfer	(PART-A)
	Location of Sampling Station	Station No.3 Near Administrative building
	Instrument Used for Sampling	RDS, PM25, Sampler & Gaseous Sampler
-2	Source of Sampling	Ambient Air
3	Temperature of Sampling Location	30°C
5	Environmental Condition	Max temp. 32°C
		Min temp. 15 °C
6	Flow Rate of Gaseous Sampling	Clear sky, wind direction West to South
7	Time Period for Sampling	O.2 LPM
8		1440 Min
	Volume of air Sampled(m³)	1.44

S.No.	PARAMETERS	T verzeus		PICTOR NAME OF THE PICTOR OF T	
**		RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
λ-	Respirable Suspended Particulate	70.2	(m/gu 0.001	Andreas	A CONTRACTOR OF THE PROPERTY O
	Matter( PM <sub>10</sub> )		167.44	· <del>-</del>	15:5182(Pt-23):2006; Heaffirmed 2017
2.	Sulphur Dioxide (SO <sub>2</sub> )	0.7			
		9.7	## ## 0.0B	*	15:5182(Pt-2): 2001, Realfirmed 2017
3.	Nitrogen Diaxide (NO <sub>2</sub> )	25.1	80.0 µg/m <sup>3</sup>		
4	Pion Programme March 15	~~~~	on o hg/m	-	IS:5182(Pr-6):2006, Realtirmed 2017
	Pine Particulate Matter ( PM2.s)	39.5	60.0 µg/m <sup>3</sup>		(C. 1189(D) 4 () 2016
	The same of the sa		L		IS: 5182(Pt-2-t):2019

### Note:

The test report refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

zed Signatory)

Techaic a Bourger Environ Tech Laboratories Page 1 0f 2

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX Email: environtechlab72@yahoo.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSES



MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081

GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

### TEST REPORT

DISPATCH No:-ETL/DSP/23 3391

M/s AMBUJA CEMENT LIMITED (UNIT-NALAGARH) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232795	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by	NIL	Date of Sampling	14.03.2023 -15.03.2023
Customer Sampling Location	Station No.3 Near Administrative	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra , Fleid Officer	Sample I.D.	ETL/32/2023/2795
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	TECHNICAL DATA (PART-B)				
1	Location of Sampling Station	Station No.3 Near Administrative building			
2	Instrument Used for Sampling	RDS, PM25, Sampler & Gaseous Sampler			
3	Source of Sampling Ambient Air				
4	Temperature of Sampling Location	30°C			
5	Environmental Condition	Max temp. 32° C			
_		Min temp, 15 ° C			
	}	Glear sky, wind direction West to South			
6	Flow Rate of Gaseous Sampling	1 LPM & 2LPM			
7	Time Period for Sampling	1440 Min			
8	Volume of air Sampled(m³)	1.44			

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	CO	BDI.	4.0 mg/m <sup>3</sup> (1 hr)	0.5 μg/m³	IS:5182(P-10) lodine Penthoxide method
	Nickel (Ni)	BDL.	20.0 ng/m³	15 ng/m³	JS 5102(Pt-26):2020
3	Arsenic (As)	BDI,	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
	Lead (Pb)	BDL	1.0 μg/m <sup>3</sup>	0.1 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
	Benzenc (CoHo)	BDL	5.0 µg/m³	0.5 µg/m³	IS 5182(Pt-11):2006
<u> </u>	Benzo(a) pyrene (BaP)	BDI.	1.0 ng/m³	1.0 ng/m <sup>3</sup>	(\$.5182(Pt-12):2004
7.	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m³	20 μg/m³	IS 5182(Pt-25):2018
- 7	Ozone (O3)	BDL	180,0 µg/m³(1 hr)	5.0 µg/m³	CPCB Guideline

### Note:

BDL denotes below detection limit

The test report refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.

The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)

Page 2 Of 2

Bavious Leak Lorendance

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX Email: environtechlab72@yahoo.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSES



MoEF & CC Recognized, OHSAS ISO 45001:2018 Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohall, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630061 GSTIN: 038REPS9693P1ZV, PAN No. BPEPS9693P



DISPATCH No:-ETL/DSP/23 3392

TEST REPORT

M/s AMBUJA CEMENT LIMITED (UNIT-NALAGARH) VILLAGE NAVAGRAON, P.O JAJIIRA TEH. MALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232796	Report Date	
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	29,03.2023 Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 -15.03.2023
Sampling Location	Station no.4(Roof Top of Guest House)	Date of Sample Receipt	15.03,2023
Sample Collected By Sampling Procedure	K.K.Mishra , field Officer	Sample I.D.	ETL/32/2023/2796
vanilying riocedure	ETL/STP/27	Date of testing	15.03.2023 - 29.03.2023

International Commence	The second of th	The state of the s				
S.No	TEGRICAL DATA					
		(PART-A)				
. ]	Location of Sampling Station	Station no.4 (Roof Top of Guest House)				
2	Instrument Used for Sampling	RDS, PM25 , Sampler & Gasenus Sampler				
3	Source of Sampling	Anthent Air				
-4	Temperature of Sampling Location	3016				
5	Environmental Condition .	Max temp. 32°C				
		Min temp. 15°C				
	Plant the Advisor of	Clear sky, wind direction West to South				
	Flow Rate of Gaseous Sampling	0.2 LPM				
7	Time Period for Sampling	1440 Min				
8.	Volume of air Sampled(m³)	1.45				
A STATE OF THE PARTY OF THE PAR						

S.No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1.	Respirable Suspended Particulate Maiter(PM10)	79.1	100.0 µg/m²	-	IS:S182(Pt-23):2006, Reaffirmed 2010
2.	Sulphur Dioxide (SO2)	11.1	80.0 μg/m³		IS:5182(Pt-2): 2001, Realfirmed 2017
3.	Nitrogen Dioxide (NO2)	25.7	йо.0 µg/ni³	* ·	IS:S182(Pt-6):2006, Reaffirmed 2017
4.	Fine Particulate Matter (PM25)	38.9	60.0 μg/m³	A Military and containing a magnificant field property of a section of the containing and	tS: 5182(Pt-24): 2019.

### Note:

The test report refers only to tested sample and applicable parameters. 1.

This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise partied.

AMED STATES AND SALES Techno JA Page 1 072

(Alkinn/iked Signatury)

Division Tech Lakergonies



MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081

GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/ 233392

M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232796	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by	NIL	Date of Sampling	14.03.2023 -15.03.2023
Sampling Location	Station no.4(Roof Top of Guest House)	Date of Sample Receipt	15.03.2023
Sample Collected By .	K.K.Mishra , Field Officer	Sample I.D.	ETL/3Z/2023/2796
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	TECHNICAL DATA (PART-B)				
1	Location of Sampling Station	Station no.4(Roof Top of Guest House)			
2	Instrument Used for Sampling	RDS, PM25, Sampler & Gascous Sampler			
3	Source of Sampling	Ambient Air			
4	Temperature of Sampling Location	30°C			
5	Environmental Condition	Max temp. 32°C			
		Min temp. 15°C			
		Clear sky, wind direction West to South			
6	Flow Rate of Gaseous Sampling	1 LPM & 2LPM			
7	Time Period for Sampling	1440 Min			
8	Volume of air Sampled (m³)	1.45			

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	CO	BDI.	4.0 ing/m³ (1 hr)	0,5 μg/m³	15:5182(P-10) lodine Pentaoxide method
2	Nickel (Ni)	BDL	20.0 ng/m <sup>3</sup>	15 ng/m³	IS 5182(Pt-26):2020
3	Arsenic (As)	BDL	6.0 ng/m³	5.0 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
4	Lead (Pb)	BDL	1.0 μg/m <sup>2</sup>	0.1 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
5	Веплепе (С«Н«)	BDL	5.0 µg/m³	0.5 μg/m³	IS 5182(Pt-11):2006
6	Benzo(a)pyrene (BaP)	BDL	1,0 ng/m³	1.0 ng/m <sup>3</sup>	IS 5182[Pt-12]:2004
7	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m <sup>3</sup>	20 µg/m³	(\$ 5182(Pt-25):2018
В	Ozone (O <sub>3</sub> )	BDL	180.0 µg/m³(1 hr)	5.0 µg/m <sup>3</sup>	CPCB Guideline

### Note:

1. The test report refers only to tested sample and applicable parameters.

2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission. 3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

> Bedrie 4 Nove 5 Enteron Toly Laboureries

> > Page 2-Of 2

ND denotes NOT Detected



MoEF & CC Recognized, OTISAS ISO 45001:2018 Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059 Mob: 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. EPEPS9603P





TEST REPORT

DISPATCH No.-ETL/DSP/ 23 3393

M/s anbuja cement limited(unit- nalagaith) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/G/232797	Report Date	29.63.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by Gustomer	NIL	Date of Sampling	14.03.2023-15.03.2023
Sampling Location	Station no.5 (Nursery Towards Pater Phaloo)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishra , Field Officer	Sample LD.	GTL/32/2023/2797
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

4	- Maria Mari	· · · · · · · · · · · · · · · · · · ·
SiNo		TECHNICAL DATA
	And the same of th	(FART-A)
	Location of Sampling Station	Station no.5 (Nursery Towards Pater Phalue)
2	Instrument Used for Sampling	RDS, PM2.s., Sampler & Gaseous Sampler
3	Source of Sampling	Ambient Air
4	Temperature of Sampling Location	300 C
5	Environmental Condition	Max temp, 32°C
		Min temp. 15°C
		Clear sky, wind direction West to South
()	Flow Rate of Gaseous Sampling	0.2 LPM
.7	Time Period for Sampling	1440 Min
8	Volume of air Sampled(in³)	1.43
		A STATE OF THE PARTY OF THE PAR

S.No.	PARAMETERS	***************************************			
49454134	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
T.	Respirable Suspended Particulate	82.3	100.0 µg/m <sup>-1</sup>		15:5182(Pr-23):2006, Reaffirmed 2017
	Matter(Phin)	ĺ	( 6/		regressful-splening Regulation To Ev
2.	Sulphur Dioxide (SO2)	11.9	80,0 tig/m³		2.4 Francisco
1 2	Min was the state of the state		100.0 108/110	i	IS:5182(Pt-2): 2001, Reaffirmed 2017
.,,	Nitrogen Dioxide (NO <sub>3</sub> )	26.3	:80.0 µg/m³	,	IS:5182(PI-6):2000, Reaffirmed 2017
4.	Fine Particulate Matter ( PM:s]	40.8	60.0 µg/m³	and the second s	and the same of th
1	The same with the contract of	L	The state of the s		IS: 5102(Pt-24):2019

### Note

Ε.

The test report refers only to tested sample and applicable parameters.

This report can neither he used as evidence in the court of law nor can it be used in part or full in any media without prior permission. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

Main garansaini Trehilian Muniger

Unviron Tech Laboratories

Page 10f2

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX Email: environtechlab72@yahoo.com | Website: www.environtechlab;com NOT VALID FOR LEGAL PURPOSES



MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

**TEST REPORT** 

DISPATCH No:-ETL/DSP/23 3393

M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101

	ETL/44/2023/G/232797	Report Date	29.03.2023
Report No. Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by	NIE	Date of Sampling	14.03.2023 -15.03.2023
Customer	Station no.5 (Nursery Towards Pater	Date of Sample Receipt	15.03.2023
Sampling Location	Phaloo) K.K.Mishra , Field Officer	Sample I.D.	ETL/32/2023/2797
Sample Collected By Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	TECHNICAL DATA (PART-B)				
1	Location of Sampling Station	Station no.5 (Nursery Towards Pater Phaloe)			
3	Instrument Used for Sampling	RDS + Gaseous sampler + PM2.5 Sampler			
	Source of Sampling	Ambient Air			
4	Temperature of Sampling Location	30°C			
5	Environmental Condition	Max temp. 32°C Min temp. 15°C			
	**.	Clear sky, wind direction West to South			
6	Flow Rate of Gasenus, Sampling	I LPM & 2LPM			
7	Time Period for Sampling	1440 Min			
- 8	Volume of air Sampled(m³)	1,43			

- N	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
Sr. No.	CO CO	BOL	4.0 mg/m <sup>3</sup> (1 hr)	0.5 μg/m³	15:5182(P-10) loding Pentaoxide method
	Nickel (Ni)	BD1.	20.0 ng/m <sup>3</sup>	15 ng/m <sup>3</sup>	IS 5 (B2(Pt-26):2020
<u>-</u>	Arsenic (As)	BDL	6.0 ng/m <sup>3</sup>	5.0 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
-3-	Lead (Ph)	BDL	1.0 µg/m³	0.1 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
- 4	Benzene (CeHe)	BDL	5.0 μg/m <sup>3</sup>	0.5 μg/m³	IS 5182(Pt-11):2006
5	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS 5182(Pt-12):2004
- 7	Ammonia (NH <sub>3</sub> )	BDL	400.0 µg/m³	20 μg/m <sup>3</sup>	IS 5182(Pt-25):2018
- 0:	Ozone (Oa)	BDL	180.0 μg/m³ (1 hr)	5.0 µg/m <sup>3</sup>	CPCB Guideline

ND denotes NOT Detected

Note:

The test report refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.

1. 2. 3, The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

Page 2 Of 2

Rechalds a Line of a time the fit was a designed

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX Email: environtechlab72@yahoo.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSES



MoEF & CC Recognized, OHSAS ISO 45001:2018 Piot No. C-101, industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9893P



## TEST REPORT

DISPATCH No:-ETL/DSP/ 23 3394

To M/s ambuja cement limited(unit- nalagarh) Village navagraon, p.o.jajhra Téh. nalagari, district solan HIMACHAL PRADESH-174101



And the state of t	Washington and the same of the		
Report No.	ETL/44/2023/G/232798	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07-03.2023	Type of Sample	Ambient Air
Sample Code Given by Customer	NIL	Date of Sampling	14.03.2023 -15.03.2023
Sampling Location	Station No.6 (Near STP Towards Ratyor)	Date of Sample Receipt	15.03.2023
Sample Collected By	K.K.Mishm , Pleid Officer	Sample I.D.	ETL/32/2023/2798
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

5.80	and the second s	
**** # WA		TECHNICAL DATA
†	For any local control of the second state of the second se	(PART-A)
	Location of Sampling Station	Station No.6 (Near STP Towards Ratyon)
	Instrument Used for Sampling	RDS, PM2s , Sampler & Gascous Sampler
3	Source of Sampling	Antblent Air
4	Temperature of Sampling Location	30 pc
5	Environmental Condition	Max temp, 32°C Mln temp, 15°C
6	Plow Rate of Gaseous Sampling	Clear sky, wind direction West to South
7	Time Period for Sampling	0.2 LPM 1440 Min
8	Volume of air Sampled(m³)	141
	Committee of the Commit	The state of the s

S.No.	PARAMETERS	Th. 27.7.2.4.4.			
		RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
, L.	Respirable Suspended Particulate	84,5	100.0 gg/m <sup>3</sup>	-	IS:5182(Pr-23):2006, Reaffirmed 2017
	Matter(PM10)		,		emitorfired room Remained 3017
2.	Sulpiper Diexide (502)	10.2	80.0 mg/m3		Established the control of the contr
3	Nitrogen Dioxide (N();)			_	IS:5182(Pt-2): 2001, Realfirmed 2017
		29.4	80.0 pg/m³	-	IS:5182(Pt-6):2006, Resfirmed 2017
1 4	Fine Particulate Matter ( PM25)	41.5	60.0 ng/m³	The state of the s	
	A program personal control former operator, and control former operator, and the control former of the properties of the control former or the properties of the control former	L1	460.5 1691.45).	*	IS: 5182(Pt-24):2019

### Note:

The test report refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

Technical Manyer Environ Total Laboresages

Page 1 Of 2

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX Email: environtechlab72@yahoo.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSES



MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081

GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

DISPATCH No:-ETL/DSP/233394

M/s AMBUJA CEMENT LIMITED (UNIT-NALAGARH) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN

Report No.	ETL/44/2023/G/232798	Report Date	29.03,2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ambient Air
Sample Code Given by	NIL	Date of Sampling	14.03.2023 -15.03.2023
Customer Sampling Location	Station No.6 (Near STP Towards Ratyor)	Date of Sample Receipt	15,03,2023
Sample Collected By	K.K.Mishra , Field Officer	Sample LD.	ETL/32/2023/2798
Sampling Procedure	ETL/STP/27	Date of testing	15.03.2023 -29.03.2023

S.No	TECHNICAL DATA (PART-B)				
1	Location of Sampling Station	Station No.6 (Near STP Towards Ratyor)			
2	Instrument Used for Sampling	RDS, PM25 . Sampler & Caseous Sampler			
3	Source of Sampling	Ambient Air			
4	Temperature of Sampling Location	30°C			
5	Environmental Condition	Max temp. 32°C Min temp. 15°C			
,		Clear sky, wind direction West to South			
6	Flow Rate of Gaseous Sampling	1 LPM & 2LPM			
7	Time Period for Sampling	1440.Min			
8	Volume of air Sampled(m³) ,	3.41			

Sr. No.	PARAMETERS	RESULTS	STANDARD	DETECTION LIMIT	TEST METHOD
1	СО	BDL	4.0 mg/m³ (1 hr)	0.5 jrg/m³	IS:5182(P-10) lodine Pentauxide method
2	Nickel (Ni)	BDL	20.0 ng/m <sup>3</sup>	15 ng/m <sup>3</sup>	IS 51.82(Pt-26):2020
3	Arsenic (As)	BDL	6.0 ng/m³	5.0 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
4	Lead (Pb)	BDL	1.0 μg/m³	0.1 ng/m <sup>3</sup>	IS 5182(Pt-26):2020
5	Benzene (C <sub>6</sub> H <sub>6</sub> )	BDL	5.0 μg/m³	0.5 μg/m <sup>3</sup>	JS 5182(Pt-11):2006
6	Benzo(a)pyrene (BaP)	BDL	1.0 ng/m <sup>3</sup>	1.0 ng/m <sup>3</sup>	IS 5182(Pt-12):2004
7	Ammonia (NH <sub>3</sub> )	BDL	400.0 μg/m³	20 µg/m³	IS 5102(Pt-25):2018
8	Ozone (O <sub>3</sub> )	BDL	180.0 µg/m <sup>3</sup> (1 hr)	5.0 ug/m³	CPCB Guldeling

Note:

BDL denotes below detection limit

The test report refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it be used in part or full in any needla without prior permission. The sample will be destroyed after thirty days from the date of issue of test report interest otherwise specified.

3.

ized Signatory)

Technik distant.

Environ Teach and dear-

Page 2.0f2

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX Email: environtechlab72@yahoo.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSES

Navagra



MoEF & CC Recognized, OHSAS ISO 45001:2018 Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P



## TEST REPORT

DISPATCH No:-ETL/DSP/23 34 01

M/s Ambuja cement limited(unit-nalagarh) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101



	eport No. ETL/44/2023/G/232810		Report Date	29.03.2023	
Your Ref. No 2800943057/NB29/07.03		2800943057/NE29/07.03.2023	Type of sample	Process Stack	
Sample Co	de given by Customer	NII	Date of sampling	14.03:2023	
Sampling I	Location	Stack of Vertical Roller Mill ( Outside)	Date of Sample Receipt	15.03.2023	
Sample Co	llected By	K.K.Mishra, Field Officer	Sample LD.	6TL/32/2023/G/2810	
Sampling	irocedure	ETL/STP/26	Date of test	15.03.2023 - 29,03.2023	
		TECHNICAL DAT	A.		
		PART-A		•	
1	Instrument Used for Sam	gnik	VSSI		
2	Source of Emission	A AND THE RESIDENCE OF THE PROPERTY OF THE PRO	Process Stack of Vertical Roller Mili(Outside)		
3	Fuel used in source		Electricity		
ış.	Type of stack		Round of Metal		
5	Velocity of fuel gases	Extra description of the state	E7 m/s		
6	Sampling Duration	3	34 niji.		
7			2996		
8	Stack temperature		78°C		
9	Stack beight from ground level		54 ineter (GL)		
10	4 /h		.0 meter	d annotation and a second and a	
\$ ·£	The state of the s		1		

S. NO.	PARAMETER	RESULT (mg/Nm³)	Limits (mg/Nm³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm3	11.9	30	IS:11255(Pt-1):2003 reaffirmed 2014
2.	Sulphur Dioxide (as SO <sub>2</sub> ), mg/Nm <sup>3</sup>	7.1	***	IS:11255(Pt -2):2003 reaffirmed 2014
3.	Oxide of Nitrogen(NOX as NOz), mg/Nm²	39.2	e11	(\$:11255(Pt-7):2005 reaffirmed 2017

The test report refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior

The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.

prized Agnatory)

SUSATHP

ANTERSTRASSIC Technical Mossess yhan Tach Labósszwics

Page 1 of 2

1/8



MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

### **TEST REPORT**

DISPATCH No:-ETL/DSP/23 3401

M/s AMBUJA CEMENT LIMITED (UNIT-NALAGARH)

VILLAGE NAVAGRAON, P.O JAJHRA

TEH. NALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101

Report	No.	ETL/44/2023/G/232810	Report Date	29.03.2023	
Your Re	Our Ref. No         2800943057/NE29/07.03.2023		Type of sample	Process Stack	
Sample	Code given by Customer	Nil	Date of sampling	14.03.2023	
Samplir	mpling Location.  Stack of Vertical Roller Mill ( Outside)		Date of Sample Receipt	15.03.2023	
Sample	Collected By	K.K.Mishra, Field Officer	Sample LD. ETL/32/2023/G/2810		
Sampli	ig procedure	ETL/STP/26	Date of test	15.03.2023 - 29.03.2023	
		TECHNICAL D PART-B	ATA		
1	Instrument Used for Sampling	ent Used for Sampling			
2	Source of Emission		Process Stack of Vertical Rolle	r Mill(Outside)	
3	Fuel used in source	Electricity			
4	Type of stack	1274 25 2	Round of Metal		

1	Instrument Used for Sampling		VSSI
2	Source of Emission		Process Stack of Vertical Roller Mill(Outside)
3	Fuel used in source		Electricity
4	Type of stack	12/43	Round of Metal
5	Velocity of fuel gases	112/20	8.7 m/s
6	Sampling Duration		34 min.
7	Ambient air teiuperature	<u> ما تا تا باید کرد در د</u>	29°C
8	Stack temperature	<del></del>	78°C
9	Stack height from ground level		54 meter (GL)
10	Diameter of stack		1.0 meter
11	No. of traverse point selected		01
	1944994997027	4.5 (6.0)	The state of the s

	4 000 pt 25	11,522		
5.	PARAMETER	RESULT	Limits	TEST METHOD
NO.		(mg/Nm³)	(mg/Nm³)	
			CPCB-2010	
1.	Carbon Monoxide, (as CO)	68		IS 13270:1992 Realfirmed 2003

### Note:

The test report refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.

The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified

\*\* END OF REPORT

(Authorized Signatory)

AJECTRINGS LIP Tuchnical Minuser

Environ Tech Laborated by

Page 2 of 2



MoEF & CC Recognized, OHSAS ISO 45001:2018 Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 180059 Mob. 94640-00081, 94172-20881, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN : 03BPEPS0693P1ZV, PAN No. BPEPS9693P



## TEST REPORT



DISPATCH NOT-ETL/DSP/23 3402

M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN

		ETL/44/2023/6/232809	Report Date	29,03,2023 Process Stack	
		2800943037/NE29/07.03.2023	Type of sample		
Sample Co	ode given by Customer	Nii	Date of sampling	14.03.2023	
Sampling	Location	Stack of Vertical Roller Mill (Intside)	Date of Sample Receipt	15,03,2023	
Sample Co	ollected By	K.K.Mishra, Field Officer	Sample LD.	ETL/32/2023/0/2809	
Sampling	procedure	ETL/STF/26	Date of test	15.03.2023 - 29.03.2023	
		TECHNICAL DATA PART-A			
7	instrument lised for Sampling		Vssi		
2	Source of Emission Fuel used in source		Process Stack of Vertical Roller Mill(Inside) Furnace oil		
3					
4	i Type of stack		Round of Metal		
5	Velocity of fuel gases		8.9 m/s		
ő	6 Sampling Duration		35 min-		
7 Ambient air temperature			29%		
8	8 Stacktemperature		84°C		
9	Stack height from ground	level	54 meter (GL)		
10	Diameter of stack		1.0 meter		
11	11 No. of traverse point selected		U.S. seeman and the second sec		

-	S,	PARAMETER	RESULT	Limits	TEST METHOD
Î	NO		(mg/Nm <sup>-1)</sup>	(mg/Nm <sup>3)</sup>	
Į				CPCB-2010	
		Particulate Matter, mg/Nm3	11,7	30	IS:11255(Pt -1):2003 reaffirmed 2014
	A. S.	Sulphur Dioxide (as SO <sub>2</sub> ),	8.3	741	IS:11255(Pt-2):2003 reaffirmed 2014
i		mg/Nm³			
1	3.	Oxide of Nitrogen(NOx as NOz),	40.5		IS:11255(Pt-7):2005 reaffirmed 2017
1		mg/Nm³	-		A CONTRACTOR OF THE PROPERTY O

Note:

The test report refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior 2.

permission.
The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.

(Authorized Signatory)

MERISTOFIS Tackrical Manager Environ Tech Later appries

Page 1 of 2





MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

## **TEST REPORT**

DISPATCH No:-ETL/DSP/ 23 3 4 0 2-

M/s AMBUJA CEMENT LIMITED (UNIT- NALAGARH) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN

Report No.		ETL/44/2023/G/232809	Report Date	29.03,2023	
Your Ref. No	3	2800943057/NE29/07.03.2023	Type of sample	Process Stack	
Sample Code	e given by Customer	Nil	Date of sampling	14.03.2023	
Sampling Location		Stack of Vertical Roller Mill ( Intside)	Date of Sample Receipt	15.03.2023	
Sample Coll	ected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/G/2809	
Sampling pr	ocedure	ETL/STP/26	Date of test	15.03.2023 - 29.03.2023	
		TECHNICAL DA PART-B			
1	Instrument Used for Sam		VSSI		
2	Source of Emission		Process Stack of Vertical Roller Mill(Inside)		
3	Fuel used in source		Furnace oil		
4	Type of stack		Round of Metal		
-5	Velocity of fuel gases		8:9 m/s		
6	Sampling Duration		35 mln.		
`7	Ambient air temperature		29°C		
8 Stack temperature		A TOTAL OF THE PROPERTY OF THE	84°C		
9	Stack height from ground	level	54 meter (GL)		
10	Diameter of stack		1.0 meter		
11	No, of traverse point sele	cted	01		

S.	PARAMETER	RESULT	Limits	TEST METHOD
NO.		(mg/Nm <sup>3)</sup>	(mg/Nm³)	•
ŀ			CPCB-2010	
1.	Carbon Monoxide, (as CO)	. 53	****	IS 13270:1992 Reaffirmed 2003

Note:

The test report refers only to tested sample and applicable parameters.

2. This report can neither be used as evidence in the court of law non-can it be used in part or full in any media without prior permission.

The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.

END OF REPORT \*\*

ANEX SEVENSES. Feelinied biomager Environ Tech Labratories

Page 2 of 2

4/8



MoEF & CC Recognized, OHSAS ISO 45001:2018 Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160058 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P



### TEST REPORT

DISPATCH No:-ETL/DSP/ 23 3399



M/s ambuja cement limited(unit-nalagarh) VILLAGE NAVAGRAON, P.O. JAJHRA TEH. NALAGARII, DISTRICT SOLAN

ETL/44/2023/G/232812	Report Date	29.03.2023
2800943057/NE29/07.03.2023	Type of sample	Process Stack
NII	Date of sampling	14.03,2023
Process Stack of Packing plant [Packer no.1]	Date of Sample Receipt	15.03.2023
K.K.Mishra, Field Officer	Sample LD.	ETL/32/2023/072812
ETL/STP/26	Date of lest	15.03.2023 - 29.03.2023
	2800943057/NE29/07.03.2023  Nil Process Stack of Packing plant (Packer no.1) K.K.Mishra, Field Officer	2800943057/NE29/07.03.2023 Type of sample  Nil Date of sampling Process Stack of Packing plant (Packer no.1)  6.K.Mishra, Field Officer Sample 1.D.

.1	Instrument Used for Sampling	VSS1
2	Source of Emission	Process Stack of Packing plant (Packer no.1)
3	Fuel used in source	Electricity
4	Type of stack	ROUNG of Metal
5	Velocity of fuel gases	SEC 38/5
6	Sampling Dúration	34 min.
7	Amblentair temperature	29°C
8	Stack temperature	728C
9	Stack beight from ground level	31.6 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	C1

	S.	PARAMETER	RESULT	Limits	TEST METHOD	
	NO.		(mg/Nm³)	(mg/Nm³)		ì
	~			CPC8-2010		1
Ì	1.	Particulate Matter, mg/Nm3	11.6	30	IS:11255(Pt -1):2003 reaffirmed 2014	The second

Note:

The test report refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission. The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.

State Line Page 1 of 1

\*\* END OF REPORT \*\*

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX Email: environtechtab72@yahoo.com | Website: www.environtechtab.com NOT VALID FOR LEGAL PURPOSES



MoEF& CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN 03BPEPS9693P1ZV, PAN No. BPEPS9693P



### TEST REPORT

DISPATCH No:-ETL/DSP/23 34 03

M/s ambuja cement limited(unit- nalagarh) Village navagraon, p.o jajhra TEIL NALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101



Report No. ETL/44/2023/G/232811		ETL/44/2023/G/232811	Report Date 29.03.2023		
Your Ref. No		2800943057/NE29/07.03 2023	Type of sample	Process Stack	
		A171	Date of sampling	14,03,2023	
ample Cod		Nil	Date of Sample Receipt	15.03.2023	
iampling Lo		Process Stack of Packing plant [Packer no.2]	Date of Sample Receipt	\ .	
Sample Coll		K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/G/2811	
Sample Con Sampling p		ETI./STP/26	Date of test	15.03.2023 - 29.03.2023	
		TECHNICAL D			
1	Instrument Used for Sampling		VSSI		
2	Source of Emission		Process Stack of Packing plant (Packer no.2)		
3	Fuel used in source		Electricity		
4	Type of stack		Round of Metal		
5	Velocity of fuel gases		il.9 m/s		
6	Sampling Duration	, ,	35 min		
7 Ambient air temperature		X9oC			
8 Stack temperature		86°C			
9 Stack helght from ground level		31.6 meter (GL)			
10 Diameter of stack		1.0 meter			
11	No. of traverse point selected		01		

					TEST METHOD	
ſ		PARAMETER	RESULT	Limits	dontant lead	ļ
4	34	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(mg/Nm³)	(mg/Nm <sup>3)</sup>	į.	Ì.
١	NO		( <b>-</b>	CPCB-2010		1
Į			107	30	IS-11255(Pt -1):2003 reaffirmed 2014	l
I	1,	Particulate Matter, mg/Nm3	12.7		107.22.07	

1. The test report refers only to tested sample and applicable parameters.

2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior

permission. 3. The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.

rized fignatory) AJEFT FINGHSAIM Technical Manager Environ Tech Laboratories



MoEP & CC Recognized, OHSAS ISO 45001:2018 Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-06081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P



### TEST REPORT



DISPATCH No:-ETL/DSP/23 3404

M/s ambuja cement limited(unit- nalagarh) village navagraon, p.o jajhra teh. nalagarh, district solan himachal pradesh-174101

Report No.	ETL/44/2023/G/232813	Report Date	29.03.2023	
Your Ref. No	2800943057/NE29/07.03.2023	Type of sample	Process Stack	
Sample Code given by Customer	Nil	Date of sampling	14.03.2023	
Sampling Location	Process Stack of Clinker Tippler ( Bag Filter no. 1)	Date of Sample Receipt	15.03,2023	
Sample Collected By	K.K.Mishra, Field Officer	Sample LD.	ETL/32/2023/G/2813	
Sampling procedure	ETL/STP/26	Date of test	15.03.2023 - 29.03.2023	
A COMMON TO A COMM	TECHNICAL DAT	Ά		

1	Instrument Used for Sampling	VSSI	
-22	Source of Emission	Process Stack of Clinker Tippler (Bag Filter no.1)	
3	Fuel used in source	Electricity	
, E	Type of stack	Round of Metal	
5	Velocity of fuel gases	9.3 10/2	
6	Sampling Duration	31 min.	
7	Amblent air temperature	Sac	
8	Stack temperature	G60€ .	
9	Stack height from ground level	32 meter (GL)	
10	Diameter of stack	1.0 meter	
11	No. of traverse point selected	01	

	S	PARAMETER	RESULT	Limits	TEST METHOD
- April - Apri	NO		(mg/Nm³)	(mg/Nm <sup>3)</sup>	
		· .		CPCB-2010	
ì	1.	Particulate Matter, mg/Nm3	14.3	30	(S:11255(Pt -1):2003 reaffirmed 2014

The test coport refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior 2.

permission.
The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.

MELT SKETSAIN To see Miller Indicate The Environ Yech Laborata (\*) Page 10f i

\*\* END OF REPORT \*\*



MoEF & CC Recognized, OHSAS ISO 45001;2018
Plot No. G-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN :03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

DISPATCH No:-ETL/DSP/23 3 4 00



TO M/s AMBUJA CEMENT LIMITED(ÜNIT- NALAGARH) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN

Report No.		ETL/44/2023/G/232814	Report Date	29.03.2023	
Your Ref. No		2800943057/NE29/07.03.2023	Type of sample	Process Stack	
Sample Code given by Customer		Nil	Date of sampling	14.03.2023	
Sampling Lo	·	Process Stack of Clinker Tippler ( Bag Filter no.2)	Date of Sample Receipt	15.03.2023	
Sample Colle	ected By	K.K.Mishra, Field Officer	Sample I.D.	ETL/32/2023/G/2814	
Sampling pr		ETL/STP/26	Date of test	15.03.2023 - 29.03.2023	
		TECHNICAL DA	ITA		
		\$5.5-	with the second second		
1	Instrument Used for S		VSSI		
2	Source of Emission		Process Stack of Clinker Tippler (Bag Filter no.2)		
3	Fuel used in source		Electricity		
4	Type of stack		Round of Metal		
5	Velocity of fuel gases	·	9.1 m/s		
6	Sampling Duration		31 min		
7	Ambient air tempera	ture	29℃		
8 Stack temperature			58°C		
9	Stack height from gro	ound level	32 meter (GL)		
10	Dlameter of stack		1.0 meter	·	
11	No. of traverse point	selected	01		

S. NO.	PARAMETER	RESULT (mg/Nm³)	Limits (mg/Nm³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm3	13.6	30	IS:11255(Pt-1):2003 roaffirmed 2014

Note:

1. The test report refers only to tested sample and applicable parameters.

2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior

permission.

The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.



(Authorized Signatory)

Technical Slaurger Environ Tech Laboratories Page 10f 1

8/8

### Compliance of Conditions of CREP recommendations Ambuja Cements Limited (Cement Grinding Unit), Navagraon - Nalagarh (H.P.)

SI.	Dogger - 1-41	
No.	Recommendation	Compliance Status
1	Cement Plants, which are not complying with notified standards, shall do the following to meet the standards;	Unit is already meeting the emission standard.
	Augmentation of existing Air Pollution Control Devices - by July 2003. Replacement of existing Air Pollution Control Devices - by July 2004	
2	Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100mg/Nm3 limit or particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm3.	
3	The new cement kilns to be accorded NOC/Environmental Clearance w.e.f 1.04.2003 will meet the limit of 50 mg/Nm3 for particulate matter emissions.	Not Applicable being standalone grinding unit.
4	CPCB will evolve load based standards by December 2003.	No load based standard for cement industry particularly applicable to grinding unit has been evolved
5	CPCB and NCBM will evolve SO2 and NOx emission standards by June 2004.	Not Applicable being standalone grinding unit.
6	The Cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December 2003. However, the feasibility for the control of fugitive emissions form limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months.	All the material transfer points are equipped with Bag Filters. Raw materials are stored in Silos or covered areas. The maximum area inside plant has been concreted or developed as green belt to prevent fugitive emission.
	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum cokes as fuel in cement kiln by July 2003.	Not Applicable being standalone grinding unit lenters

r.	ACL	
8	After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufactures, NTF will decide feasible unit operations/sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003	system has been installed at Cement Mill Stack. Also, a Continuous Ambient Air Quality Monitoring Station (CAAQMS) has been installed. Both the systems have been connected with CPCB and HPSPCB
9	Tripping in kiln ESP to be minimized by July 2003 as per the recommendations of NTF.	Not Applicable being standalone grinding unit.
10	Industries will submit the target date to enhance the utilization of waste material by April, 2003.	All the particulate matter collected through APCEs is automatically recycled in the respected processes. Moreover we are using fly ash for making Pozolona Portland Cement (PPC) which is waste of Thermal Plants.
11	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.	Not Applicable being standalone grinding unit.
12	Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003.  * Noncomplying units shall give bank guarantee to respective SPCBs.	Not Applicable being standalone grinding unit.

**Ovavagrain** 



MoEF & CC Recognized, OHSAS ISO 45001:2018 Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160050 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P





TEST REPORT

Dispatch No: ETL/DSP/23 3392 n/s ambuja cement limited(unit- nalagarh) Village navagraon, p.o jajhra Teh. nalagarh, district solan Himachal pradesh-174101

Report No.	ETL/44/2023/G/232836	Report Date	29.03.2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ground Water
Sample Code Given by Customer	NIL	Quantity	2 litre plastic bottle
		Date of Sampling	14.03.2023
Sampling Location	Borewell NO. 1	Date of Sample Receipt	15.03.2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample LD.	ETI./32/2023/2836
Sampling Procedure	ETL/STP/W/33	Date of testing	15.03.2023-29.03.2623
Sample description	Clear and colourless	The state of the s	

S. No.	Parameters	Results	Limits of	S: 10500 - 2012	Test method
		,	Requirement (Acceptable Limit)	Permissible Limit In the Absonce of Alternate Source	
1.	Colour, Hazen unit, Mas	<5	5	15	(S: 3025 (Part - 4)
2:	Turbidity, NTU, Max	<1	1	5	IS: 3025 (Part - 10)
3,	pHi	7.12	6.5 - 8.5	Nu relaxation	iS: 3025(Part - 111
4.	Total Dissolved Stillds, mg/l, Max.	488	500	2000	IS: 3025(Part - 15)
5.	Total Alkalimity (as CaCQa), mg/l , Max	340	200	600	IS: 3025 (Part -23)
õ.	Chloride (as Cl), mg/l, Max	22	250	1000	IS: 3025 (Part - 32)
7.	Sulphate (as SO <sub>4</sub> ), mg/l, Max	49.9	200	400	IS: 3025(Part - 24)
3.	Nitrate (as NO <sub>3</sub> ), mg/l, Max	19.3	45	Norelasation	IS: 3025(Part -34)
₹.	Fluoride (as F), mg/l, Max	0.12	1.0	1.5	IS: 3025(Part -60)
10.	Calcium (as Ca), mg/l, Max	S0	75	200	IS:3025 (Part 40)
11.	Magnesium (as Mg), mg/l, Max	28	30	100	IS: 3025(Part - 46)
12	Total Hardness (as CaCO <sub>3</sub> ), mg/t, Mās	242	200	600	(S: 3025(Part - 21)
13.	Sodium (as Na), mg/l, Max	79.5	-	N. Committee of the com	IS: 3025(Part ~45)
14,	Potassium (os K), mg/l, Max	2.6			IS: 3025(Part -45)
15.	Iron ( as Fe), mg/i, Max	0.28	1.0	No relaxation	IS: 3025 (Part -53)

1. The test report refers only to tested sample and applicable parameters.

2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without the sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

i Signatory)



MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TEST REPORT

Dispatch No: ETL/DSP/23 3382

M/s Ambuja cement limited(unit- nalagarh) VII.lage navagraon, p.o jajhra TEH. NALAGARH, DISTRICT SOLAN **HIMACHAL PRADESH-174101** 

Report No.	ETL/44/2023/G/232836	Report Date	29.03,2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ground Water
Sample Code Given by Customer	NIL	Quantity	250 ml micro bottle
		Date of Sampling	14,03.2023
Sampling Location	Borewell NO. 1	Date of Sample Receipt	15.03.2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample LD,	ETL/32/2023/2836
Sampling Procedure	ETL/STP/W/33	Date of testing	15.03.2023-29.03.2023
Sample description	Clear and colourless		

#### PART-8

#### Bacteriological Quality:-

S. No.	PARAMETERS	TEST RESULTS	Requirement as per IS 10500:2012	TEST METHOD
1,	E.coll/100ml	ABSENT	Shall not be detectable in any 100m; sample	IS 15185:2016
2,	Total Coliform / 100ml	ABSENT	Shall not be detectable in any 100ml sample	JS 15 185;2016

#### Note:

The test report refers only to tested sample and applicable parameters.
 This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
 The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

PAGE Z OF 2



MoEP & CC Recognized, OHSASJSO 45001:2018 Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohall, Punjab - 160059 Mob. 94646-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT

Dispatch Non ETL/DSP/23 3383

M/s amouta cement limited(unit-nalagarh) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN

HIMACHAL PRADESH-174101			
Report No.	ETL/44/2023/232837	Report Date	29.03.2023
Customer Rof. No.	2800943057/NE29/07.03,2023	Type of Sample	Ground Water
Sample Code Given by Customer	NIL	Quantity	2 litre plastic bottle
		Date of Sampling	14.03,2023
Sampling Location	Borewell NO.2	Date of Sample Receipt	15.03;2023
Sample Collected By	Mr. K.K Mishra (Pield Officer)	Sample LD.	BTL/32/2023/2837
Sampling Procedure	ETL/STP/W/33	Date of testing	15.03.2023-29.03.2023
Sample description	Clear and cotourless	and the contract to the contra	

S. No.	Parameters	Results	Limits of	IS: 10500 - 2012	Test method
		- VANABARAN AND AND AND AND AND AND AND AND AND A	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	
1.	Colour, Hazen unit, Max	<5	.5	15	IS: 3025 (Part - 4)
2.	Turbidity, NTU, Max	<1	L	5	(S: 3025 (Part - 10)
3.	pH	7.00	6.5 ~ 8,5	No relaxation	IS: 3025(Part - 11)
4	Total Disselved Solids, mg/l, Max	492	500	2000	IS: 3025(Part - 16)
5.	Total Mkolinity (us CaCO <sub>3</sub> ), mg/l.	340	200	600	IS: 3025 (Part -23)
6.	Chloride (as Cl), mg/l, Max	17.8	250	1000	15: 3025 (Part - 32)
7.	Sulphate (as \$04), mg/l, Max	41.23	200	400	IS: 30/25(Part - 24)
8.	Nitrate (as NO <sub>3</sub> ), mg/l, Max	19.15	15	No relaxation	15: 3025(Part -34)
9,	Fluoride (as F), mg/l, Max	0.34	1.0.	1.5	15: 3025(Part -60)
[0.	Calcium (as Ca), mg/l, Max	64,12	75	200	IS(3025 (Part 30)
11.	Magnesium (as Mg), mg/l, Max	17.03	30	100	15: 3025(Part - 46)
12.	Total Hardness (as CaCO <sub>3</sub> ), mg/l <sub>e</sub> Max	Z30	200	600	15: 3025 (Part - 21)
13.	Sodium (as Na), mg/l, Max	29	er	no manurementale anno mana anno mana anno anno anno anno	IS: 3025(Part -45)
14.	Potassium (as K), mg/l, Max	2.85	~	**************************************	(S: 3025(Part ~45)
15.	Iron (as Fe), mg/l, Max	0.25	1.0	No relaxation	IS: 3025 (Part -53)

Mesta:

1. The test report refers only to tested sample and applicable parameters.

2. This report can neither be used as evidence in the court of law non-can it be used in part or fell in any media.

3. The sample will be destroyed after tibrty days from the date of issue of test report or less otherwise specific.

Vavaurao

nizge Signatory)

PAGE LOF 2

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Noise, Stack Emission & LUX Email: environtechlab72@yahoo.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSES



MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101, Industrial Area, Phase-VII Sector 73, Mohali, Punjab - 160059 Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P

**TEST REPORT** 

Dispatch No: ETL/DSP/ 233383 To M/s ambuja cement limited(unit- nalagarh) VILLAGE NAVAGRAON, P.O JAJHRA TEH. NALAGARH, DISTRICT SOLAN HIMACHAL PRADESH-174101

Report No.	ETL/44/2023/232837	Report Date	29.03,2023
Customer Ref. No.	2800943057/NE29/07.03.2023	Type of Sample	Ground Water
Sample Gode Given by Customer	NIL	Quantity	250 ml micro bottle
		Date of Sampling	14.03.2023
Sampling Location	Borewell NO.2	Date of Sample Receipt	15.03,2023
Sample Collected By	Mr. K.K Mishra (Field Officer)	Sample LD.	ETL/32/2023/2837
Sampling Procedure	ETL/STP/W/33	Date of testing	15.03,2023-29.03.2023
Sample description	Clear and colourless		

PART-B

#### Bacteriological Quality:-

· S. No.	PARAMETERS	TEST RESULTS	Requirement as per IS 10500;2012	TEST METHOD
1.	Ecoli/100ml	ABSENT	Shall not be detectable in any 100ml sample	IS 15185:2016
2.	Total Coliform /100ml	ABSENT	Shall not be detectable in any 100ml sample	IS 15185:2016

\*\*END UF REPORT\*\*

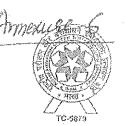
1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.

3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

Testing of Water, Waste Water, Soil, Food, Monitoring of Ambient Air, Indoor Air, Noise, Stack Emission & LUX Email: environtechlab72@yahoo.com | Website: www.environtechlab.com NOT VALID FOR LEGAL PURPOSES



MoEF & CC Recognized, OHSAS ISO 45001:2018 Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059 Mob. 94540-00081, 94172-20081, 94172-10081, (O) 94630-08081, 0172-4630081 GSTIN::03BPEPS9693P1ZV, PAN No. BPEPS9693P





TEST REPORT

Dispatch No: ETL/DSP/23 3397

To M/s ambuja cement limited(unit- nalagarh) Village navagraon, p.o jajhra Teh nalagarh, district solan

1111/1/2/1021 L BULLEY COST. T \ , & TSL F			
Report No.	ETL/44/2023/G/232830	Report Date	29.03,2023
Your Ref. No.	2800943057/NE29/07.03.2023	Type of sample	Treated Water (STP-1 Outlet)
Sample Code Given by	MI	Quantity	1 Litre Plastic Bottle + ZLitre Glass Bottle
Customer		Date of sampling	14.03.2023
Sampling Location	Inside	Date of sample receipt	15.03.2023
Sample Collected by	Mr. K.K Mishra (Field Officor)	Samplé I.D.	ETL/32/2023/G/2830
Sampling procedure	ETL/STP/W/33	Date of test	15.03.2023-29.03.2023
Sample description	Slightly turbid		

S. Na	PARAMETERS	TEST RESULTS	STANDARDS (As per CPCB 2021)	TEST METHODS
1.	pH	7,86	6.5 - 9.0	IS:3025 (Part-11)2002,Real(.2017
2.	Total Suspended Solids, mg/t.	9 2	<100	IS:3025(Part-17)2012,ReafE2017
3,	Total Dissolved Solid, mg/L	450	Not Specified	IS:3025(Part-16)2006,Reaff.2017
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/L	7.8	30 -	IS: 3025(Part-44)2009, Redf£2014.
5.	Chemical Oxygen Demand, mg/L	20.	Not Specified	t5:3025(Part-58)2006,Reaft;2017
£2,	Oil and Greases, mg/L	1.8	Not Specified	(S'3025(Part-39)2003,Reaff.201-t

### Note:

i. The test report refers only to tested sample and applicable parameters.

2 This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.

3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Anthorizad Signatory)

AJECT OF STEAK! Technical Longger Environ Text Laboratories

\*End of Report\*



Page 1 Of 1

11-2



MoEF & CC Recognized, OHSAS ISO 45001:2018

Plot No. C-101. Industrial Area, Phase VII, Sector 73, Mohali, Punjab - 160059 Mob::94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081 GSTIN :: 03BPEPS9693P1ZV, PAN No. BPEPS9693P



TEST REPORT



Dispatch No: ETL/DSP/23 3398

M/s AMBUJA CEMENT LIMITED (UNIT-NALAGARH) VILLAGE NAVAGRAON, P.O JAJHRA TEH, NALAGARH, DISTRICT SOLAN

Report No.	ETL/44/2023/G/232831	Report Date	29.03.2023
Your Ref. No.	2800943057/NE29/07.03.2023	Type of sample	Treated Water (STP-2 Outlet)
Sample Code Given by	NII	Quantity	1 Litre Plastic Bottle +2Litre Glass Bottle
Customer		Date of sampling	14.03.2023
Sampling Location	Outside	Date of sample receipt	15.03.2023
Sample Collected by	Mr. K.K Mishra (Field Officer)	Sample LD.	ETL/32/2023/G/2834
Sampling procedure	ETL/STP/W/33	Date of test	15.03.2023-29.03.2023
Sample description	Slightly turbid		

S. No.	PARAMETERS	TEST RESULTS	STANDARDS (As per CPCB 2021)	TEST METHODS
1.	pH	7,64	6.5 - 9.0	1S;3025 (Part-11)2002,RealI,2017
2.	Total Suspended Solids, mg/L	8.8	<100	IS:3025(Part-17)2012,Reaff.2017
3.	Total Dissolved Solid, mg/L	510	Not Specified	IS:3025(Part-16)2006,ReafE2017
4.	Bio-chemical Oxygen Demand at 27%, 3 days, mg/L	17.8	30	IS: 3025(Part-44)2009, Reaff.2014.
5.	Chemical Oxygen Demand, mg/L	40	Not Specified	[S:3025(Part-58)2006,Realf.2017
6.	Oil and Greases, mg/L	2.2	Not Specified	4S:30Z5(Part-39)2003,Reaff.2014

Note:

The test report refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can libe used in part or full in any media without prior permission. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Authorized Signatory)

ATMET STABLES CON Technical Manage Environ Tech Laboratories

Teh | Nalagarh

Distr. Solan (HP)

PIN-174101

Page 1011



MaEF & CC Renguized, OHSAS ISO 45001:2018
Plot No. C-101, Industrial Area, Phase VII, Sector 73, Mohall, Punjab - 16005\$
Mob. 94640-00081, 94172-20081, 94172-10081, (O) 94630-00081, 0172-4630081
GSTIN: 03BPEPS9693P1ZV, PAN No. BPEPS9693P





### TEST REPORT

Dispatch No: ETL/DSP/23 3405

fo M/s ambuja cement limited Village navagaqn, tensil nalagarh District solan, himachal pradesh

Report No.	ETL/44/2023/G/232799-2808	Report Date	29,03.2023
Your Ref. No.	2800943057/NE29/07.03.2023	Type of sample	Ambient Noise Monitoring
Sampling Location	As per mentioned below	Sample LD.	ETL/32/2023/2799- 2808
Sample monitored By	Mr. K.K Mishra (Field Officor)	Date of monitoring	14.03.2023
Sampling Procedure	ETL/STP/24	er den militar i d'Esp	

S.No.	Location & Area	Result dB(A) Leq day	Results dB(A) Leq Night	Standard Limit Leq dB(A)(Day/Night)	Test Method
1	Ngår måterial Gate	69.2	61.5	75	
			_	70	
2	Near Admin building	64.3	58.9	75	
				7()	-Processing
3	Near Scrap yard	69.5	63.1	75	Tree .
	•	,	Ī	70	
4	Near STP on road	69.3	61.9	75	
				70	IS:9989 ReiT.2014
5	Near MPSS Building	70.9	62.5	75	Association to
				747	energy of the second of the se
G	In front of DO	69.5	62.3	70	
				75	The state of the s
7	Near Borewell / Dispensary	68,9	61.9	70	
				7.5	,
8	Near Store Building	68.5	62.1.	70	
				7()	
9	Near Weigh Bridge	69.4	63.1	75	
				70	
10	Near rain Water Harvesting	70.1	62.5	75	
			-	70	- property

Note:

1. The test report refers only to tested sample and applicable parameters.

This report can neither be used as evidence in the court of law nor can it prior permission.

\*Ena of Report\*

or full in any media without

Disti Salan IHP

Wavagra0

(Addinorized Signatory).

AFER BEST IN 1955 Teime, I've auger Environited Lubera aries