

Ambuja Cement

Ref: ACL /RPR/UH/ENV/2021/ 172

28th October 2021

Director,
Ministry of Environment, Forests & Climate Change,
Northern Regional Office, Bays No. 24-25, Sector 31-A,
Dakshin Marg, Chandigarh-160030

Sub: Half Yearly compliance of conditions of Environmental Clearance.

Dear Sir,

This has reference to the Environmental Clearance granted to our plant by MoEF&CC vide letter no. J--11011/146/2012-IA-II(I) dated 26th May 2016. We are sending a point-wise status report from April 2021 to September 2021 on compliance of the stipulated conditions of Environmental clearance letter referred above through e-mail address: ronz.chd-mef@nic.in with a request you to kindly acknowledge the receipt through return mail.

Hope you will find the information in order.

Thanking you.

Yours faithfully,
for Ambuja Cements Limited
(Unit: Ropar)


Rajiv Jain
Sr. Vice President

Encl: As above

CC: Environmental Engineer
Punjab Pollution Control Board
Regional Office Rupnagar,
281, Gaini Zail Singh Nagar
140001(Punjab)

- Hard Copy

AMBUJA CEMENTS LIMITED
(UNIT ROPAR)

Village Daburji, P.O. Lodhimajra, Distt. Ropar - 140 113 (Punjab) Phone : 01881 - 274287 Fax : 276034

Website : www.ambujacement.com

(Regd. Off.: P. O. Ambuja Nagar, Taluka - Kodinar, Distt. Gir Somnath, Gujarat - 362 715)

CIN No. : L26942GJ1981PLC004717

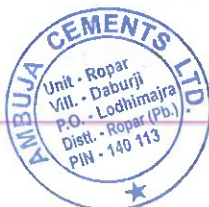
Compliance of Conditions of Environment Clearance

Name of the Project: Ambuja Cements Ltd., Village Daburji, P.O. Lodhimajra, Tehsil & Distt. Ropar, Punjab - 140113

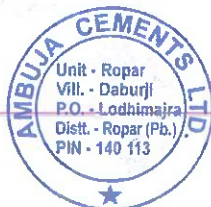
Environmental Clearance letter No.: J-11011/146/2012-IA-II(I) dated 26th May 2016

Period of Compliance: April 2021 to September 2021

S. No.	Condition	Compliance status
A. SPECIFIC CONDITIONS		
1.	The project proponent shall install 24x 7 air monitoring devices to monitor air emissions as provided by the CPCB and submit the Report to Ministry and its Regional Office.	<ul style="list-style-type: none">CEMS has been installed for continuous monitoring of PM, SO₂ and NO_x at the stack of Boiler & connected with the SPCB & CPCB server.Opacity meter has been installed for continuous monitoring of PM at the stack of all cement mills & connected with the SPCB & CPCB server.
2.	The Standard issued by the Ministry Vide G.S.R. No. 612(E) dated 25th August 2014 regarding cement plant with respect to particulate matter, SO ₂ and NO _x shall be followed.	<ul style="list-style-type: none">This is cement grinding unit and we have installed online dust monitors (opacity meter) in major stacks of the Unit and data of monitoring is being already transmitted to CPCB/SPCB servers. Emission of SO₂ and NO_x is not applicable in the mill stacks.PM Emission levels are < 50 mg/Nm³ for boiler stacksComplying with SO₂ < 600 mg/Nm³ and NO_x < 300 mg/Nm³ respectively for boilers. Report of Monitoring done in September 2021 by M/s Environ Tech Laboratories Mohali, a Third Party NABL Accredited Lab is enclosed as Annexure - IaCEMS have been installed for continuous monitoring of SO₂ and NO_x at the stack of Boiler.Storm water management system in the plant has also been established.
3.	Efforts shall be made to achieve power consumption of 70 units for Portland Pozzolana Cement (PPC) and 95 units /ton for Ordinary	<ul style="list-style-type: none">This is cement grinding unit the same is not applicable, however we have setup our target of power consumption for Cement production as 36 kwh /Ton



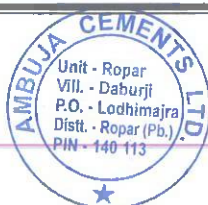
	Portland Cement (OPC) production and thermal energy consumption 670 K cal/Kg of Clinker.	of cement produced.
4.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No 826(E) dated 16th November 2009 shall be followed.	<ul style="list-style-type: none"> • Ambient air quality monitoring is being monitored at the six locations of the plant boundary. • Complying with the National Ambient Air Quality Emission Standards issued by the Ministry. • Ambient Air Quality and Stack Emission Monitoring is also being conducted through NABL Accredited/ MoEF&CC recognized Lab (M/s Environ Tech Laboratories, Mohali). Report of Monitoring done in September 2021 by M/s Environ Tech Laboratories Mohali, a Third Party NABL Accredited Lab is enclosed as Annexure - Ib. • Six monthly compliance report is being submitted on regular basis to the Ministry of RO office of the MOEF, CPCB and SPCB
5.	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines /Code of Practice issued by the CPCB in this regard shall be followed.	<ul style="list-style-type: none"> • CPCB guidelines for control of fugitive emission have been implemented • Following measures have been taken for the control of fugitive emission: <ol style="list-style-type: none"> a) All transfer points and storage silos are provided with dust collection and extraction systems for effective control of fugitive emissions. b) Use of Rail along with road transportation c) Clinker is being stored in clinker storage silo & covered shed, Gypsum and additives are being stored in covered storage sheds, fly ash & cement is being stored in silos. Raw material transfer conveyors are covered with GI sheets to avoid any secondary fugitive emissions. d) All roads and open areas in the plant are concreted and vehicle movement



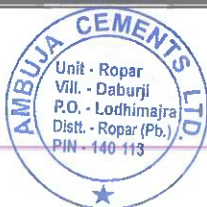
		<p>is allowed only through specific routes for control of secondary fugitive dust emissions.</p> <p>e) Road sweeping machines are already deployed in the plant clear the spillage/dust accumulated on the roads to control the fugitive emissions and maintain proper housekeeping in the plant.</p> <p>f) Improved sealing arrangement in belt conveyors.</p> <p>g) Installed the wheel cleaning system (dry) & Wind wall arrangement for control of fugitive emissions.</p> <p>h) Water spray system has been provided</p> <p>i) Greenbelt developed in plant area.</p> <p>j) Fugitive emission is well and within limit. Report of Monitoring done in September 2021 by M/s Environ Tech Laboratories Mohali, a Third Party NABL Accredited Lab is enclosed as Annexure - Ic.</p>
6.	<p>Efforts shall be made to reduce impact of the transport of the raw materials and end products on the Surrounding environment including agricultural land by use of conveyors/rail mode of transport wherever feasible. The company shall have separate truck parking area. Vehicular emissions shall be regularly monitored.</p>	<ul style="list-style-type: none"> • To ensure and reduce impact of transport on the surrounding environment; raw materials and cement is transported mostly by rail and in trucks covered with tarpaulin. • Dry Fly ash is being received by pneumatic pipe line from nearby Guru Govind Singh Super Thermal Power Plant. • Transport vehicles are periodically checked for Pollution Under Control certificate from approved RTA agencies. • Separate railway siding is commissioned since inception of the plant in 1995 from nearby Guru Govind Singh Super Thermal Plant to our plant site to transport raw materials and around 30-35 % of cement dispatch is also carried out



		<p>by rail thereby reducing the impact on the surrounding environment caused by transportation activity.</p> <ul style="list-style-type: none"> • Provided wind wall across the raw material yard for controlling the Fugitive emissions. • The approaching road towards raw material yard has been concreted for arresting fugitive emissions. • The approaching road towards Guru Gobind Singh Super Thermal Plant (GGSSTP) fly ash dykes has been concreted for arresting fugitive emissions.
7.	Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and zero discharge shall be adopted.	<ul style="list-style-type: none"> • Cement manufacturing process is based on dry process technology. Return water from cooling system is routed back to collection tank and recycled back into system. • Domestic wastewater is treated in Sewage Treatment Plants (STP) and it is being used for greenbelt, dust suppression system. • The Waste water from Captive power plant being treated through the Effluent Treatment Plant and treated water being used in cooling tower after treatment in ETP (comprises of HRSCC-MGF-UF-RO1-RO2-MEE & Solar ponds). • Zero' discharge has been achieved • STP and ETP treated water is also got tested through NABL Accredited/ MoEF&CC recognized Lab (M/s Environ Tech Laboratories, Mohali). Reports of Testing done in September 2021 are enclosed as Annexure - I d & I e.
8.	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met	<ul style="list-style-type: none"> • Additional Collection Tank of approximately one lakh Litre is constructed to collect the rain water in plant area and same is being used for cooling purpose in the plant.



	from other sources.	
9.	Green belt shall be developed in 33% of the project area within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, along road sides etc. by planting native and broad leaved species in consultation with local DFO and local communities as per the CPCB guidelines.	<ul style="list-style-type: none"> Green belt has been developed in the plant area with total green cover of more than 33%. The same has been certified by the DFO, State Forest Department vide letter No. 10295 dated.10.01.2019. Certificate is enclosed as Annexure - II Local native species are planted for increase survival rate. Plant species like Silver Oak, Aacacia, Ariaculifromis, Neem, Burma Neem, Chakrasia, Amaltas, Teak, Jamun, Satpati and Sagwan etc have been planted Total 29259 numbers of sampling have been planted upto September 2021. Details attached as Annexure - III.
10.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented.	All the applicable conditions of the CREP are complied. Compliance status is enclosed as Annexure - IV
11.	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and Submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.	<p>As committed during public hearing we have incurred more than 2.5 % of the project cost. We have spent approximately 2.1 Crores of rupees in 2020 as environment Capex. We have spent Rs 65.63 lakh on Environment Protection and other related activities in 2021 from April to September.</p> <p>Detailed Head wise expenses in 2020-2021 towards CSR are enclosed as Annexure - V</p>
12.	The proponent shall prepare a detailed CSR Plan for every next 5 years for the existing-cum-expansion project, which includes village-wise, Sector-wise (Health,	Being complied. CSR arm of ACL i.e Ambuja Cement Foundation has made efforts to declare nearby village 100% ODF. Mass awareness program being organized on Swatchh Bharat Abhiyan, Bio composting



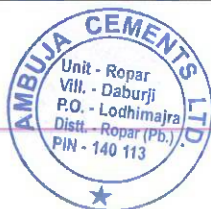
	<p>Education, Sanitation, Health, Skill Development and infrastructure requirements Such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.</p>	<p>etc. We have installed Organic waste converter plant capacity 400 kg/day for treating kitchen waste & horticultural waste into organic manure. For the year 2020-21, Ambuja Cement Foundation has spent an approximate amount of Rs.2.0 Crores on CSR activities including Water Resource Management, Agro Based Livelihood, Skill and Enterpreneurship Development, Education, Health & Sanatisation, Women Empowerment and infrastructure Development etc. Details enclosed as Annexure - V and Proposed CSR Expenses for next 5 Years enclosed as Annexure - VI</p>
13.	<p>The project proponent shall provide for solar light system for all common areas, street lights, Villages, parking around project area and maintain the same regularly.</p>	<p>Solar lights have been installed in nearby village and further replacement will be done by LED lights only.</p>
14.	<p>The project proponent shall provide for LED lights in their offices and residential areas.</p>	<p>The point is being complied. All the lights which are damaged/ due for replacement are being replaced with the LED lights. In year 2021, we have replaced approximately 335 lights with LED.</p>
15.	<p>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, Safe drinking water, medical</p>	<p>No construction activity is being proposed however the housing was provided to all the labours with all required infrastructure.</p>



	health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	
B. GENERAL CONDITIONS		
1.	The project authorities must strictly adhere to the stipulations made by the Punjab Pollution Control Board and the State Government.	All the stipulations made by PPCB in their Consents are complied. Half yearly Compliance reports are sent to the Regional office, Punjab Pollution Control Board on regular basis.
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).	Point noted & agreed. No future expansion will be carried out without prior approval of the MoEF&CC.
3.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, PM25, SO2 and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and Stack emission shall be regularly submitted to this Ministry including its Regional Office at Chandigarh and the SPCB/CPCB once in six months.	<ul style="list-style-type: none"> Ambient air quality monitoring is being monitored at the six locations of the plant boundary. Complying with the National Ambient Air Quality Emission Standards issued by the Ministry. Stack emission levels are maintained. Six monthly compliance report is being submitted on regular basis to the Ministry of RO office of the MOEF/CPCB and RPCB
4.	Industrial wastewater shall be properly collected, treated So as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31 December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.	<ul style="list-style-type: none"> No waste water is being generated from the dry cement manufacturing process. Trade Effluent is generated from the Cooling Tower Blow down & Boiler Blow down and is properly treated in ETP and zero liquid discharge maintained treated water being used in captive power plant condenser cooling



		<p>process.</p> <ul style="list-style-type: none"> Domestic sewage being generated from colony and plant is also being treated through zero liquid discharge STP and treated water also for dust suppression and condenser cooling process. STP and ETP treated water is also got tested through NABL Accredited/ MoEF&CC recognized Lab (M/s Environ Tech Laboratories, Mohali). Testing Reports of monitoring done in September 2021 are enclosed as Annexure - Id & Ie.
5.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time).	<ul style="list-style-type: none"> Overall noise level in and around the plant area are well within the prescribed standards of 85 dB (A) Ambient noise levels at the plant boundary are well within the standards prescribed under EPA Rules viz 75 dB (A) (Day time) and 70 dB (A) (Night time.) All necessary noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation are in place and properly maintained. Workplace noise level survey is conducted on regular basis to identify areas with high noise levels. Workers employed in High Noise Area are provided with proper PPEs and their exposure to noise is controlled within the permissible limits.
6.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<ul style="list-style-type: none"> Occupational health surveillance is being conducted periodically. This year it was planned in August/September and the record is maintained. (Health record of some employees/workers is enclosed as Annexure - VII)
7.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground	<ul style="list-style-type: none"> Constructed one rainwater harvesting tank of approximately 1 Lakh m³ for collection of rain water, which is further being used in Cooling Tower. Two structures have also been made in



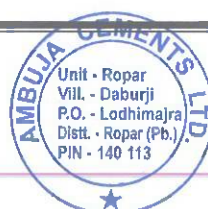
	water table.	Munguwal & Chakarma villages. Also we are planning to utilize Ghanuli Drain waste water after treatment. It will be utilized in the captive power plant condenser cooling process for which feasibility study has been completed and accordingly capex has been proposed for approval.
8.	The project proponent shall also comply with all the environmental protection measures and Safeguards recommended in the EIA/EMP report. Further, the company must undertake Socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water Supply and health care etc.	<ul style="list-style-type: none"> All the environmental protection safe guards are being done. Ambuja cement Foundation Ropar is doing welfare and community development activities in the nearby villages of our project area as per MoEF&CC Environmental Clearance Condition, under our CSR programme covering nearby villages with local communities and Panchayats. The Head wise CSR Expenditure incurred in 2020-2021 is enclosed as Annexure - V
9.	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEF&CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Chandigarh. The funds so provided shall not be diverted for any other purpose.	<ul style="list-style-type: none"> Earmarked funds are being utilized for environmental protection control measures to implement the condition stipulated by MoEF&CC and SPCB. We have spent approximately 2.1 Crores of rupees in 2020 as environment Capex. Apart from this we have spent Rs 65.63 Lakh on Environment Protection and other related activities from April to September 2021. Details enclosed as Annexure VIII
10.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation,	<ul style="list-style-type: none"> Copies of the EC have been sent to surrounding village Panchayats, various village people in the area and the NGO. A copy of the EC is posted on



	Urban Local Body and the local NGO, if any, from whom Suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	the company's website for public display. Also displayed in villages notice boards.
11.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their Website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF&CC at Chandigarh. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOx (ambient levels as well as Stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Six monthly compliance reports in respect of Post Environment Clearance Monitoring (Rule 10 of EIA Notification, 2006, dated 14.09.2006) being timely submitted to the concerned regulatory authorities on half yearly basis. Copies of these reports as well as the Annual Environment Statement as submitted to the PPCB, are also uploaded on the company's website (www.ambujacement.com) for public viewing in compliance to the Ministry's Circular dated 30.06.2009.
12.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitoring data(both in hard copliesaswell as in email) to the Refional Office of MOEFCC ,the respective zonal office of CPCB and the SPCB .The Regional Office of this Ministry at Chandigarh /CPCB/SPCB shall monitor the stipulated conditions.	Six monthly compliance reports in respect of Post Environment Clearance Monitoring (Rule 10 of EIA Notification, 2006, dated 14.09.2006) has been submitted regularly to Regional Punjab Pollution Control Board & Regional MoEF&CC Office, Chandigarh. Last report was sent on 15th July 2021 through e-mail: ronz.chd-mef@nic.in
13.	The environmental statement for each financial year ending 31	Annual Environment Statement is regularly sent to the PPCB. In addition, a copy of the



	<p>March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended Subsequently, shall also be put on the website of the company along with the Status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF&CC at Chandigarh by e-mail.</p>	<p>statement has been uploaded on the company's website. Last Annual Environmental statement for the year 2020-2021 has been submitted on 28th Sept 2021.</p>
14.	<p>The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEF&CC) at http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the Vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Chandigarh.</p>	<p>The Public were informed of the grant of Environment Clearance through an advertisement in the Punjab, Dainik Bhaskar and Dainik Navjyoti dated 1st June 2016. Copies of the newspaper clippings have already been submitted to the Regional Office of the MoEF&CC immediately after the grant of Environment Clearance within seven days.</p>
15.	<p>Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.</p>	<p>Date of final approval of the project - 26.05.2016 and there is no land development work as the proposed project expansion is based on the process optimization. We have taken approval for SAC from Punjab Pollution Control Board. All the required permits have been obtained.</p>



Environ Tech Laboratories

NABL Accredited (ISO/IEC 17025:2017)/MoEF & CC Recognized
OHSAS 45001:2018

Annexure-1a
Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214507

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/O/212693AJ	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Boiler Stack
Sample Code given by Customer	Nil	Date of sampling	25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/O/2693AJ
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Stack of Boiler-1(45Ton/Hr)
3	Fuel used in source	Coal & Biomass
4	Type of stack	Round of Metal
5	Velocity of fuel gases	10.80m/s
6	Sampling Duration	63 min.
7	Ambient air temperature	32 °C
8	Stack temperature	115 °C
9	Stack height from ground level	85 meter (GL)
10	Diameter of stack	1.40 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	41.6	50	IS:11255(Pt -1):2003 reaffirmed 2019
2.	Sulphur Dioxide, as SO ₂ , mg/Nm ³	315	600	Lab SOP- by Electrochemical Method
3.	Oxides of Nitrogen, as NO _x , mg/Nm ³	135	300	Lab SOP- by Electrochemical Method
4.	Mercury(Hg), mg/Nm ³	BDL(MDL 0.001)	--	As Per Lab SOP
5.	Carbon Monoxide, (as CO) mg/Nm ³	102	...	Lab SOP- by Electrochemical Method
6.	Moisture, %	11	---	As Per Lab SOP

Note: BDL: Below Detection Limit , MDL : Method 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.

Checked By *[Signature]*



[Signature]
(Authorized Signatory)
Dy. Technical Manager
Environ Tech Laboratories

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OHSAS 45001:2018

Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
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Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214506

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/O/212693AI	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Boiler Stack
Sample Code given by Customer	Nil	Date of sampling	25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/O/2693AI
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

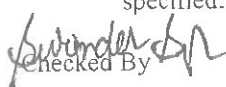
TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Stack of Boiler-2(45Ton/Hr)
3	Fuel used in source	Coal & Biomass
4	Type of stack	Round of Metal
5	Velocity of fuel gases	10.9m/s
6	Sampling Duration	61min.
7	Ambient air temperature	32 °C
8	Stack temperature	120 °C
9	Stack height from ground level	85 meter (GL)
10	Diameter of stack	1.40 meter
11	No. of traverse point selected	01

S. N O	PARAMETER	RESULT	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	22.4	50	IS:11255(Pt -1):2003 reaffirmed 2019
2.	Sulphur Dioxide, as SO ₂ , mg/Nm ³	255	600	Lab SOP- by Electrochemical Method
3.	Oxides of Nitrogen, as NO _x , mg/Nm ³	162	300	Lab SOP- by Electrochemical Method
4.	Mercury(Hg), mg/Nm ³	BDL(MDL 0.001)	--	As Per Lab SOP
5.	Moisture %	12	--	As Per Lab SOP

Note: BDL: Below Detection Limit , MDL : Method 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.

Checked By 



(Authorized Signatory)


AJEET SINGH
Dy. Technical Manager
Environ Tech Laboratories

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Environ Tech Laboratories

NABL Accredited (ISO/IEC 17025:2017)/MoEF & CC Recognized
OHSAS 45001:2018

Annexure - Ib
Plot No. 62, Janta Industrial Estate
Airport Road, Sector 82, S.A.S Nagar
Mohali, (Punjab) 160062,
Mobile : 94172-10081, 94172-20081
94640-00081, (O) 94630-00081
GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214513

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212700	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.09.2021-25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2700
Sampling procedure	As per SOP	Date of test	01.10.2021 to 07.10.2021

TECHNICAL DATA

1	Location of Sampling Station	Gunny Godown
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	31°C
5	Environmental Condition	Max temp. 32°C Min temp. 23°C Clear sky and wind direction west to east
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	0.288 m ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM ₁₀)	91	100.0 µg/m ³	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur dioxide (SO ₂)	12	80.0 µg/m ³	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen dioxide (NO ₂)	25	80.0 µg/m ³	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine particulate matter (PM _{2.5})	43	60.0 µg/m ³	IS: 5182(Pt-24):2019
5.	CO(1 Hour)	0.12	4.0 mg/m ³	Lab SOP (By Electrochemical Method)
6.	Nickel (Ni)	ND	20.0 ng/m ³	Lab. SOP (BY AAS)
7.	Arsenic (As)	ND	6.0 ng/m ³	Lab. SOP (BY AAS)
8.	Lead (Pb)	ND	1.0 µg/m ³	Lab. SOP (BY AAS)
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	Lab. SOP (BY G.C)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	Lab. SOP (BY G.C)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	CPCB Guideline
12.	Ozone (O ₃)	ND	180.0 µg/m ³	CPCB Guideline

Note:

ND denotes NOT Detectable

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Sand
Checked By



Ajeet Singh
(Authorized Signatory)
AJEET SINGH
Dy. Technical Manager
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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214514

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212701	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.09.2021-25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2701
Sampling procedure	As per SOP	Date of test	01.10.2021 to 07.10.2021

TECHNICAL DATA

1	Location of Sampling Station	Worker Colony
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	31°C
5	Environmental Condition	Max temp. 32°C Min temp. 23°C Clear sky and wind direction west to east
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	0.288 m ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM ₁₀)	93	100.0 µg/m ³	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur dioxide (SO ₂)	15	80.0 µg/m ³	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen dioxide (NO ₂)	28	80.0 µg/m ³	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine particulate matter (PM _{2.5})	44	60.0 µg/m ³	IS: 5182(Pt-24):2019
5.	CO(1 Hour)	0.11	4.0 mg/m ³	Lab SOP (By Electrochemical Method)
6.	Nickel (Ni)	ND	20.0 ng/m ³	Lab. SOP (BY AAS)
7.	Arsenic (As)	ND	6.0 ng/m ³	Lab. SOP (BY AAS)
8.	Lead (Pb)	ND	1.0 µg/m ³	Lab. SOP (BY AAS)
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	Lab. SOP (BY G.C)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	Lab. SOP (BY G.C)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	CPCB Guideline
12.	Ozone (O ₃)	ND	180.0 µg/m ³	CPCB Guideline

Note:

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AJEET SINGH
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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214515

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212702	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.09.2021-25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2702
Sampling procedure	As per SOP	Date of test	01.10.2021 to 07.10.2021

TECHNICAL DATA		
1	Location of Sampling Station	Biomass Storage Yard
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	31°C
5	Environmental Condition	Max temp. 32°C Min temp. 23°C Clear sky and wind direction west to east
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	0.288 m ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM ₁₀)	95	100.0 µg/m ³	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur dioxide (SO ₂)	16	80.0 µg/m ³	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen dioxide (NO ₂)	27	80.0 µg/m ³	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine particulate matter (PM _{2.5})	52	60.0 µg/m ³	IS: 5182(Pt-24):2019
5.	CO(1 Hour)	0.23	4.0 mg/m ³	Lab SOP (By Electrochemical Method)
6.	Nickel (Ni)	ND	20.0 ng/m ³	Lab. SOP (BY AAS)
7.	Arsenic (As)	ND	6.0 ng/m ³	Lab. SOP (BY AAS)
8.	Lead (Pb)	ND	1.0 µg/m ³	Lab. SOP (BY AAS)
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	Lab. SOP (BY G.C)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	Lab. SOP (BY G.C)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	CPCB Guideline
12.	Ozone (O ₃)	ND	180.0 µg/m ³	CPCB Guideline

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ND denotes NOT Detectable

Checked By



Authorized Signatory
AJEET SINGH
By, Technical Manager
(Authorized Signatory)

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214516

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212703	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.09.2021-25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2703
Sampling procedure	As per SOP	Date of test	01.10.2021 to 07.10.2021

TECHNICAL DATA

1	Location of Sampling Station	Clinker Truck yard
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	31°C
5	Environmental Condition	Max temp. 32°C Min temp. 23°C Clear sky and wind direction west to east
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	0.288 m ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM ₁₀)	89	100.0 µg/m ³	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur dioxide (SO ₂)	13	80.0 µg/m ³	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen dioxide (NO ₂)	24	80.0 µg/m ³	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine particulate matter (PM _{2.5})	42	60.0 µg/m ³	IS: 5182(Pt-24):2019
5.	CO(1 Hour)	0.27	4.0 mg/m ³	Lab SOP (By Electrochemical Method)
6.	Nickel (Ni)	ND	20.0 ng/m ³	Lab. SOP (BY AAS)
7.	Arsenic (As)	ND	6.0 ng/m ³	Lab. SOP (BY AAS)
8.	Lead (Pb)	ND	1.0 µg/m ³	Lab. SOP (BY AAS)
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	Lab. SOP (BY G.C)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	Lab. SOP (BY G.C)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	CPCB Guideline
12.	Ozone (O ₃)	ND	180.0 µg/m ³	CPCB Guideline

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ND denotes NOT Detectable

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(Authorized Signatory)

AJEET SINGH
Dy. Technical Manager
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Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214517

Date: 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212704	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.09.2021-25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2704
Sampling procedure	As per SOP	Date of test	01.10.2021 to 07.10.2021

TECHNICAL DATA

1	Location of Sampling Station	ACL Colony
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	31°C
5	Environmental Condition	Max temp. 32°C Min temp. 23°C Clear sky and wind direction west to east
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	0.288 m ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM ₁₀)	92	100.0 µg/m ³	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur dioxide (SO ₂)	12	80.0 µg/m ³	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen dioxide (NO ₂)	25	80.0 µg/m ³	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine particulate matter (PM _{2.5})	47	60.0 µg/m ³	IS: 5182(Pt-24):2019
5.	CO(1 Hour)	0.17	4.0 mg/m ³	Lab SOP (By Electrochemical Method)
6.	Nickel (Ni)	ND	20.0 ng/m ³	Lab. SOP (BY AAS)
7.	Arsenic (As)	ND	6.0 ng/m ³	Lab. SOP (BY AAS)
8.	Lead (Pb)	ND	1.0 µg/m ³	Lab. SOP (BY AAS)
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	Lab. SOP (BY G.C)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	Lab. SOP (BY G.C)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	CPCB Guideline
12.	Ozone (O ₃)	ND	180.0 µg/m ³	CPCB Guideline

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ND denotes NOT Detectable

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214518

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2020/G/212705	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.09.2021-25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2705
Sampling procedure	As per SOP	Date of test	01.10.2021 to 07.10.2021

TECHNICAL DATA

1	Location of Sampling Station	Village Rattanpura
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	31°C
5	Environmental Condition	Max temp. 32°C Min temp. 23°C Clear sky and wind direction west to east
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440 Minutes
8	Volume of Air Sampled	0.288 m ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM ₁₀)	87	100.0 µg/m ³	IS:5182(Pt-23):2006, Reaffirmed 2017
2.	Sulphur dioxide (SO ₂)	11	80.0 µg/m ³	IS:5182(Pt-2): 2001, Reaffirmed 2017
3.	Nitrogen dioxide (NO ₂)	17	80.0 µg/m ³	IS:5182(Pt-6):2006, Reaffirmed 2017
4.	Fine particulate matter (PM _{2.5})	42	60.0 µg/m ³	IS: 5182(Pt-24):2019
5.	CO(1 Hour)	0.16	4.0 mg/m ³	Lab SOP (By Electrochemical Method)
6.	Nickel (Ni)	ND	20.0 ng/m ³	Lab. SOP (BY AAS)
7.	Arsenic (As)	ND	6.0 ng/m ³	Lab. SOP (BY AAS)
8.	Lead (Pb)	ND	1.0 µg/m ³	Lab. SOP (BY AAS)
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	Lab. SOP (BY G.C)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	Lab. SOP (BY G.C)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	CPCB Guideline
12.	Ozone (O ₃)	ND	180.0 µg/m ³	CPCB Guideline

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ND denotes NOT Detectable

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214491

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212687	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2687
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-2 of Packer No-4
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	12.4 m/s
6	Sampling Duration	43 min.
7	Ambient air temperature	31 °C
8	Stack temperature	40°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	0.91 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm3	16.7	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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

Sunder
(Checked By)



** End of Report **

(Authorized Signatory)

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Dy. Technical Manager
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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214492

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212688	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2688
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-1 of Packer No-4
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	12.6 m/s
6	Sampling Duration	43 min.
7	Ambient air temperature	31 °C
8	Stack temperature	42°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	0.86 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.3	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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

Surinder
(Checked By)



** End of Report **

(Signature)
(Authorized Signatory)
AJEET SINGH
Dy. Technical Manager
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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214493

Date:-07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212689	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2689
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-2 of Packer No-3
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	12.6 m/s
6	Sampling Duration	42 min.
7	Ambient air temperature	31 °C
8	Stack temperature	41 °C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	0.74 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.9	30	IS:11255(Pt-1): 2003 reaffirmed:2019

Note:

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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.

(Signature)
(Checked By)

** End of Report **



(Authorized Signatory)

AJEET SINGH
Dy. Technical Manager
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214494

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212690	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2690
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-1 of Packer No-3
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	12.44 m/s
6	Sampling Duration	43 min.
7	Ambient air temperature	31°C
8	Stack temperature	42°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm3	25.2	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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Swinder
(Checked By)



Amey
(Authorized Signatory)
AMEY SINGH
Dy. Technical Manager
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214495

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212691	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2691
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Packer No-2(New Stack)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	12.7 m/s
6	Sampling Duration	42 min.
7	Ambient air temperature	31 °C
8	Stack temperature	44°C
9	Stack height from ground level	38.5 meter (GL)
10	Diameter of stack	0.81meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	26.3	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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Swinder AL
(Checked By)



(Authorized Signatory)
AJEET SINGH
Dy. Technical Manager
Environ Tech Laboratories

11/1/23

Testing of Water, Waste Water, Soil, Food, Ambient Air, Noise Monitoring & Stack Emission

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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214496

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212692	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2692
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Packer No-1(New Stack)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	12.9 m/s
6	Sampling Duration	42 min.
7	Ambient air temperature	31°C
8	Stack temperature	45°C
9	Stack height from ground level	38.5 meter (GL)
10	Diameter of stack	0.81 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	17.4	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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Swinder SL
(Checked By)

** End of Report **

(Authorized Signatory)

Atet Singh
Atet Singh
Zy. Technical Manager
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214499

Date:-07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212693	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2693
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-1 of Packer No-1 & 2
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	12.6 m/s
6	Sampling Duration	44 min.
7	Ambient air temperature	31 °C
8	Stack temperature	54°C
9	Stack height from ground level	38.5 meter (GL)
10	Diameter of stack	1.25 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm3	15.2	30	IS:11255(Pt-1): 2003 reaffirmed:2019

Note:

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Swinder
(Checked By)

** End of Report **



Shef
(Authorized Signatory)
AJEET SINGH
Dy. Technical Manager
Environ Tech Laboratories

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214498

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/O/212693AA	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/O/2693AA
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-1 of Clinker Loading
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	6.84 m/s
6	Sampling Duration	80 min.
7	Ambient air temperature	30 °C
8	Stack temperature	50°C
9	Stack height from ground level	14 meter (GL)
10	Diameter of stack	0.61meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	16.8	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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Swinder
(Checked By)

** End of Report **



Arjeet Singh
(Authorized Signatory)
Arjeet Singh
Dy. Technical Manager
Environ Tech Laboratories

14/10/21

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214499

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited, (Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/O/212693AB	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/O/2693AB
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack-2 of Clinker Loading
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	6.65 m/s
6	Sampling Duration	82 min.
7	Ambient air temperature	30 °C
8	Stack temperature	49°C
9	Stack height from ground level	14 meter (GL)
10	Diameter of stack	0.61 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.6	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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Swinder S/L
(Checked By)



(Authorized Signatory)
AJAY SINGH
By: Technical Manager
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV
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DISPATCH No:-ETL/DSP/ 214500

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/O/212693AC	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/O/2693AC
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Primary Crusher Building (CPP)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	7.0 m/s
6	Sampling Duration	80 min.
7	Ambient air temperature	32 °C
8	Stack temperature	52°C
9	Stack height from ground level	38 meter(GL)
10	Diameter of stack	1.09 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.6	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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(Signature)
(Checked By)



(Signature)
(Authorized Signatory)
AJEET SINGH
Ex. Technical Manager
Environ Tech Laboratories

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214501

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/O/212693AD	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/O/2693AD
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Primary Screen & Secondary Crusher Building (CPP)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	6.5 m/s
6	Sampling Duration	71 min.
7	Ambient air temperature	32 °C
8	Stack temperature	48°C
9	Stack height from ground level	17 meter(GL)
10	Diameter of stack	1.0 m
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	17.9	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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Sunder
(Checked By)



Ajjet Singh
(Authorized Signatory)
AJJET SINGH
Dy. Technical Manager
Environ Tech Laboratories

17/10/21

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214502

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/O/212693AE	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/O/2693AE
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Secondary Screen Building(CPP)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	6.5 m/s
6	Sampling Duration	85 min.
7	Ambient air temperature	32 °C
8	Stack temperature	50°C
9	Stack height from ground level	22 meter(GL)
10	Diameter of stack	28 inch
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	17.4	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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(Checked By) 



(Authorized Signatory)

AJEET SINGH
P. Technical Manager
Environ Tech Laboratories

18/32

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214504

Date:- 07.10.2021

Page 1 of 1

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/O/212693AG	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/O/2693AG
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of New Clunker Tippler Stack No-1
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	7.01 m/s
6	Sampling Duration	78min.
7	Ambient air temperature	32 °C
8	Stack temperature	50°C
9	Stack height from ground level	17 meter (GL)
10	Diameter of stack	1.12 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.1	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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

Swinder S/L
(Checked By)



** End of Report **

Deep Singh
(Authorized Signatory)
Asst. Technical Manager
Environ Tech Laboratories

19/10/21

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214505

Date:- 07.10.2021

Page 1 of 1

TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/O/212693AH	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/O/2693AH
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of New Clinker Tippler Stack No-2
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	7.4m/s
6	Sampling Duration	75 min.
7	Ambient air temperature	32°C
8	Stack temperature	52 °C
9	Stack height from ground level	17 meter (GL)
10	Diameter of stack	1.12 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm3	17.7	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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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.

Swinder SL
(Checked By)



(Authorized Signatory)
AJEET SINGH
Dy. Technical Manager
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214477

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212675	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	29.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2675
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Steel Silo Stack
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.25 m/s
6	Sampling Duration	73 min.
7	Ambient air temperature	31 ⁰ C
8	Stack temperature	80 ⁰ C
9	Stack height from ground level	39.2 meter (GL)
10	Diameter of stack	0.80 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.6	30	IS:11255(Pt-1): 2003 reaffirmed:2019

Note:

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

Swinder S/L
(Checked By)

** End of Report **



Ajeet Singh
(Authorized Signatory)
AJEET SINGH
Dy. Technical Manager
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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214478

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212676	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	29.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2676
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Fly Ash Handling Silo stack (Near East Gate)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	9.88 m/s
6	Sampling Duration	57 min.
7	Ambient air temperature	31 °C
8	Stack temperature	60°C
9	Stack height from ground level	17 meter (GL)
10	Diameter of stack	1.0 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	17.1	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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

Surinder S/L
(Checked By)



** End of Report **

Ajeet Singh
(Authorized Signatory)
AJEET SINGH
Dy. Technical Manager
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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/210479

Date:-07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212677	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	29.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2677
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of 51A BC01 to 51A BC04 (Transfer Point)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	7.25 m/s
6	Sampling Duration	75 min.
7	Ambient air temperature	31 °C
8	Stack temperature	49 °C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	1.09 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	24.6	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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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.

Swinder Singh
(Checked By)

** End of Report **

Ajeet Singh
(Authorized Signatory)
AJEET SINGH
Asst. Technical Manager
Environ Tech Laboratories

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214480

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212678	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	29.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2678
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of 51A-BC4 to 51A-BC5 (Transfer Point)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	6.75 m/s
6	Sampling Duration	81 min.
7	Ambient air temperature	31 ⁰ C
8	Stack temperature	50 ⁰ C
9	Stack height from ground level	17 meter (GL)
10	Diameter of stack	1.12 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	25.4	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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Surinder
(Checked By)

** End of Report **

(Authorized Signatory)

AJEET SINGH
Dy. Technical Manager
Environ Tech Laboratories

24/10/21

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214481

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212679	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2679
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of mill No-4(Osepa)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.50 m/s
6	Sampling Duration	65 min.
7	Ambient air temperature	31 °C
8	Stack temperature	50 °C
9	Stack height from ground level	38 meter (GL)
10	Diameter of stack	1.09 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.6	30	IS:11255(Pt-1): 2003 reaffirmed:2019

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Swinder S/R
(Checked By)

** End of Report **

(Authorized Signatory)
AJEET SINGH
Dy. Technical Manager
Environ Tech Laboratories

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214482

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212680	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2680
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement mill No-3 (Osepa)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.97 m/s
6	Sampling Duration	62 min.
7	Ambient air temperature	31 ⁰ C
8	Stack temperature	56 ⁰ C
9	Stack height from ground level	38 meter (GL)
10	Diameter of stack	1.02 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.4	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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Swinder SL
(Checked By)



(Authorized Signatory)
AJEET SINGH
Dy. Technical Manager
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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214483

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212681	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2681
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Mill -02 (Osepa)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.0 m/s
6	Sampling Duration	70 min.
7	Ambient air temperature	31 °C
8	Stack temperature	58 °C
9	Stack height from ground level	38 meter (GL)
10	Diameter of stack	1.12 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	17.7	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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Swinder
(Checked By)

** End of Report **



Ajeet Singh
(Authorized Signatory)
AJEET SINGH
Jy. Technical Manager
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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214484

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212682	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2682
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement mill 1 (Osepa)
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.0 m/s
6	Sampling Duration	70 min.
7	Ambient air temperature	31 °C
8	Stack temperature	56 °C
9	Stack height from ground level	38 meter (GL)
10	Diameter of stack	1.05 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	16.3	30	IS:11255(Pt -1): 2003 reaffirmed:2019

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(Checked By) 

** End of Report **



(Authorized Signatory)

ATEET SINGH
Dy. Technical Manager
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DISPATCH No:-ETL/DSP/214485

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212683	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2683
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Mill No-4
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	8.62 m/s
6	Sampling Duration	82 min.
7	Ambient air temperature	31 °C
8	Stack temperature	70 °C
9	Stack height from ground level	37 meter (GL)
10	Diameter of stack	1.37 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.2	30	IS:11255(Pt-1): 2003 reaffirmed:2019

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

(Signature)
(Checked By)



** End of Report **

(Signature)
(Authorized Signatory)
AJEET SINGH
Dy. Technical Manager
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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214486

Date:- 07.10.2021

Page 1 of 1

TEST REPORT

To

M/s Ambuja Cement Limited, (Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212684	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2684
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Mill No-3
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	6.2 m/s
6	Sampling Duration	91 min.
7	Ambient air temperature	31 ^o C
8	Stack temperature	57 ^o C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	1.09 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm3	17.7	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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

(Signature)
(Checked By)



(Signature)
(Authorized Signatory)
AJEET SINGH
Dy. Technical Manager
Environ Tech Laboratories

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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/214489

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212685	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2685
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement mill 02
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	6.4 m/s
6	Sampling Duration	88 min.
7	Ambient air temperature	31°C
8	Stack temperature	59°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	1.12 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.5	30	IS:11255(Pt-1); 2003 reaffirmed:2019

Note:

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

Swinder Singh
(Checked By)

**** End of Report ****



Ajjet Singh
(Authorized Signatory)
AJJET SINGH
Dy. Technical Manager
Environ Tech Laboratories

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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214490

Date:- 07.10.2021

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TEST REPORT

To

M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212686	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	24.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2686
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Cement Mill No-1
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	7.55 m/s
6	Sampling Duration	82 min.
7	Ambient air temperature	31 °C
8	Stack temperature	55°C
9	Stack height from ground level	35 meter (GL)
10	Diameter of stack	1.09 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	25.6	30	IS:11255(Pt -1): 2003 reaffirmed:2019

Note:

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Swinder S/L
(Checked By)



(Authorized Signatory)
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DISPATCH No:-ETL/DSP/ 214503

Date:-07.10.2021

Page 1 of 1

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/O/212693AF	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/O/2693AF
Sampling procedure	As per SOP	Date of test	01.10.2021-07.10.2021

TECHNICAL DATA

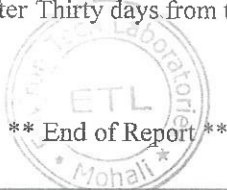
1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Fly Ash Dryer
3	Fuel used in source	Electricity
4	Type of stack	Round of Metal
5	Velocity of fuel gases	6.62m/s
6	Sampling Duration	92 min.
7	Ambient air temperature	32°C
8	Stack temperature	85°C
9	Stack height from ground level	39.5meter (GL)
10	Diameter of stack	2.40 meter
11	No. of traverse point selected	01

S. NO	PARAMETER	RESULT (mg/Nm ³)	Limits (mg/Nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.6	30	IS:11255(Pt -1): 2003 reaffirmed:2019
2.	Sulphur Dioxide, as SO ₂	19.5	...	Lab SOP- by Electrochemical Method
3.	Oxides of Nitrogen, as NO _x	27.8	...	Lab SOP- by Electrochemical Method
4.	Carbon Monoxide, (as CO) mg/Nm ³	14	...	Lab SOP- by Electrochemical Method
5.	Mercury(Hg)	BDL(MDL 0.001)	-	EPA:M-29/102

Note: BDL: Below Detection Limit , MDL : Method Detection Limit

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Swinder S/L
(Checked By)



** End of Report **

(Authorized Signatory)

AJEET SINGH
Aj. Technical Manager
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DISPATCH No:-ETL/DSP/214507A

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212694	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.09.2021-25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2694
Sampling procedure	As per SOP	Date of test	01.10.2021 to 07.10.2021

TECHNICAL DATA

1	Location of Sampling Station	Fly Ash Dryer Area
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Work Zone Air Sample

Sr.N.	PARAMETERS	RESULTS	Standard	TEST METHOD
1.	Suspended Particulate Matter	4822 µg/m3	5000 µg/m3	IS:5182 (Pt-4):1999, Reaffirmed 2019

Note:

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Checked By



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PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 214508

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212695	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.09.2021-25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2695
Sampling procedure	As per SOP	Date of test	01.10.2021 to 07.10.2021

TECHNICAL DATA

1	Location of Sampling Station	Tippler Area
2	Instrument Used for Fugitive Sampling	Respirable Dust Sampler
3	Source of Sampling	Work Zone Air Sample

Sr.N.	PARAMETERS	RESULTS	Standard	Test Method
1.	Suspended Particulate Matter	4475 µg/m3	5000 µg/m3	IS:5182 (Pt-4):1999, Reaffirmed 2019

Note:

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Checked By



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DISPATCH No:-ETL/DSP/214509

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212696	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.09.2021-25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2696
Sampling procedure	As per SOP	Date of test	01.10.2021 to 07.10.2021

TECHNICAL DATA

1	Location of Sampling Station	Cement Mill Area
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Work Zone Air Sample

Sr.No	PARAMETERS	RESULTS	Standard	Test Method
1.	Suspended Particulate Matter	4784 µg/m3	5000 µg/m3	IS:5182 (Pt-4):1999, Reaffirmed 2019

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DISPATCH No:-ETL/DSP/ 214510

Date:- 07.10.2021

Page 1 of 1

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212697	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.09.2021-25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2697
Sampling procedure	As per SOP	Date of test	01.10.2021 to 07.10.2021

TECHNICAL DATA			
1	Location of Sampling Station	Packing Plant Area	
2	Instrument Used for Sampling	Respirable Dust Sampler	
3	Source of Sampling	Work Zone Air Sample	

Sr.No	PARAMETERS	RESULTS	Standard	Test Method
1.	Suspended Particulate Matter	4732 µg/m3	5000 µg/m3	IS:5182 (Pt-4):1999, Reaffirmed 2019

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Jy. Technical Manager
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DISPATCH No:-ETL/DSP/ 214511

Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212698	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.09.2021-25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2698
Sampling procedure	As per SOP	Date of test	01.10.2021 to 07.10.2021

TECHNICAL DATA	
1	Location of Sampling Station
2	Instrument Used for Sampling
3	Source of Sampling
	Fly Ash Handling Area
	Respirable Dust Sampler
	Work Zone Air Sample

Sr.No	PARAMETERS	RESULTS	Standard	Test Method
1.	Suspended Particulate Matter	4722 µg/m3	5000 µg/m3	IS:5182 (Pt-4):1999, Reaffirmed 2019

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Date:- 07.10.2021

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TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2021/G/212699	Report Date	07.10.2021
Your Ref. No	Nil	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	24.09.2021-25.09.2021
Sampling Location	Within Premises	Date of Sample Receipt	01.10.2021
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2021/G/2699
Sampling procedure	As per SOP	Date of test	01.10.2021 to 07.10.2021

TECHNICAL DATA	
1	Location of Sampling Station
2	Instrument Used for Sampling
3	Source of Sampling

Sr.No	PARAMETERS	RESULTS	Standard	Test Method
1.	Suspended Particulate Matter	4706 µg/m ³	5000 µg/m ³	IS:5182 (Pt-4):1999, Reaffirmed 2019

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Dispatch No: ETL/DSP/ 214465

Date: 07.10.2021

TEST REPORT

To
M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2021/G/212616	Report Date	07.10.2021
Your Ref. No.	Nil	Type of sample	New STP Outlet Water
Sample Code Given by Customer	Nil	Quantity	3 Litre (2 litre Plastic Bottle + 1 litre glass bottle)
		Date of sampling	23.09.2021
Sampling Location	STP	Date of sample receipt	24.09.2021
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2021/G/2616
Sampling procedure	As per Lab SOP	Date of test	24.09.2021-04.10.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	8.01	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002,Reaff.2017 APHA 23 rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/l	5	100	600	200	IS:3025(Part-17)2012, Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/l	368	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	11	30	350	100	IS: 3025(Part-44)2009, Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/l	23.8	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	5	10	20	10	IS:3025(Part-39)2003,Reaff.2014 APHA 23 rd Edition:2017-5520 B

Note:

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Dispatch No: ETL/DSP/214464

Date: 07.10.2021

TEST REPORT

To
M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2021/G/212615	Report Date	07.10.2021
Your Ref. No.	Nil	Type of sample	Old STP Outlet Water
Sample Code Given by Customer	Nil	Quantity	3 Litre (2 litre Plastic Bottle + 1 litre glass bottle)
		Date of sampling	23.09.2021
Sampling Location	STP	Date of sample receipt	24.09.2021
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2021/G/2615
Sampling procedure	As per Lab SOP	Date of test	24.09.2021-04.10.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.60	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002, Reaff.2017 APHA 23 rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/l	08	100	600	200	IS:3025(Part-17)2012, Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/l	422	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	27	30	350	100	IS: 3025(Part-44)2009, Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/l	67	250	No guideline	No guideline	IS:3025(Part-58)2006, Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	05	10	20	10	IS:3025(Part-39)2003, Reaff.2014 APHA 23 rd Edition:2017-5520 B

Note:

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(Signature)
(Checked By)



(Signature)
(Authorized Signatory)

AJEET SINGH
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Dispatch No: ETL/DSP/214466

Date: 07.10.2021

TEST REPORT

To
M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2021/G/212617	Report Date	07.10.2021
Your Ref. No.	Nil	Type of sample	HRSSC Outlet Water
Sample Code Given by Customer	Nil	Quantity	3 Litre (2 litre Plastic Bottle + 1litre glass bottle)
		Date of sampling	23.09.2021
Sampling Location	ETP	Date of sample receipt	24.09.2021
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2021/G/2617
Sampling procedure	As per Lab SOP	Date of test	24.09.2021-04.10.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	8.76	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002, Reaff.2017 APHA 23 rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/l	4	100	600	200	IS:3025(Part-17)2012, Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/l	828	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	13	30	350	100	IS: 3025(Part-44)2009, Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/l	28.4	250	No guideline	No guideline	IS:3025(Part-58)2006, Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	5	10	20	10	IS:3025(Part-39)2003, Reaff.2014 APHA 23 rd Edition:2017-5520 B

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Dispatch No: ETL/DSP/ 214467

Date: 07.10.2021

TEST REPORT

To
M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2021/G/212618	Report Date	07.10.2021
Your Ref. No.	Nil	Type of sample	RO Project Final Water
Sample Code Given by Customer	Nil	Quantity	3 Litre (2 litre Plastic Bottle + 1litre glass bottle)
		Date of sampling	23.09.2021
Sampling Location	ETP	Date of sample receipt	24.09.2021
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2021/G/2618
Sampling procedure	As per Lab SOP	Date of test	24.09.2021-04.10.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.86	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002,Reaff.2017 APHA 23 rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/l	ND	100	600	200	IS:3025(Part-17)2012, Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/l	260	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	18	30	350	100	IS: 3025(Part-44)2009, Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/l	50.6	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	4	10	20	10	IS:3025(Part-39)2003,Reaff.2014 APHA 23 rd Edition:2017-5520 B

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Dispatch No: ETL/DSP/ 214468

Date: 07.10.2021

TEST REPORT

To
M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2021/G/212619	Report Date	07.10.2021
Your Ref. No.	Nil	Type of sample	MGF Outlet Water
Sample Code Given by Customer	Nil	Quantity	3 Litre (2 litre Plastic Bottle + 1litre glass bottle)
		Date of sampling	23.09.2021
Sampling Location	ETP	Date of sample receipt	24.09.2021
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2021/G/2619
Sampling procedure	As per Lab SOP	Date of test	24.09.2021-04.10.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	8.63	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002,Reaff.2017 APHA 23 rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/l	3	100	600	200	IS:3025(Part-17)2012, Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/l	898	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	6	30	350	100	IS: 3025(Part-44)2009, Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/l	19.2	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	4	10	20	10	IS:3025(Part-39)2003,Reaff.2014 APHA 23 rd Edition:2017-5520 B

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Dispatch No: ETL/DSP/ 214469

Date: 07.10.2021

TEST REPORT

To
M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2021/G/212620	Report Date	07.10.2021
Your Ref. No.	Nil	Type of sample	UF Inlet Water
Sample Code Given by Customer	Nil	Quantity	3 Litre (2 litre Plastic Bottle + 1litre glass bottle)
		Date of sampling	23.09.2021
Sampling Location	ETP	Date of sample receipt	24.09.2021
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2021/G/2620
Sampling procedure	As per Lab SOP	Date of test	24.09.2021-04.10.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	8.87	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002,Reaff.2017 APHA 23 rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/l	4	100	600	200	IS:3025(Part-17)2012, Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/l	870	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	6	30	350	100	IS: 3025(Part-44)2009, Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/l	19.2	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	3	10	20	10	IS:3025(Part-39)2003,Reaff.2014 APHA 23 rd Edition:2017-5520 B

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Dispatch No: ETL/DSP/ 214470

Date: 07.10.2021

TEST REPORT

To
M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2021/G/212621	Report Date	07.10.2021
Your Ref. No.	Nil	Type of sample	UF Outlet Water
Sample Code Given by Customer	Nil	Quantity	3 Litre (2 litre Plastic Bottle + 1litre glass bottle)
		Date of sampling	23.09.2021
Sampling Location	ETP	Date of sample receipt	24.09.2021
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2021/G/2621
Sampling procedure	As per Lab SOP	Date of test	24.09.2021-04.10.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.60	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002,Reaff.2017 APHA 23 rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/l	ND	100	600	200	IS:3025(Part-17)2012, Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/l	836	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	3	30	350	100	IS: 3025(Part-44)2009, Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/l	8	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	2	10	20	10	IS:3025(Part-39)2003,Reaff.2014 APHA 23 rd Edition:2017-5520 B

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Dispatch No: ETL/DSP/214471

Date: 07.10.2021

TEST REPORT

To

M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2021/G/212622	Report Date	07.10.2021
Your Ref. No.	Nil	Type of sample	RO- 1 Product Water
Sample Code Given by Customer	Nil	Quantity	3 Litre (2 litre Plastic Bottle + 1litre glass bottle)
		Date of sampling	23.09.2021
Sampling Location	ETP	Date of sample receipt	24.09.2021
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2021/G/2622
Sampling procedure	As per Lab SOP	Date of test	24.09.2021-04.10.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.96	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002,Reaff.2017 APHA 23 rd Edition:2017-4500H*B
2.	Total Suspended Solids, mg/l	ND	100	600	200	IS:3025(Part-17)2012, Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/l	248	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	8	30	350	100	IS: 3025(Part-44)2009, Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/l	28.4	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	3	10	20	10	IS:3025(Part-39)2003,Reaff.2014 APHA 23 rd Edition:2017-5520 B

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Dispatch No: ETL/DSP/ 214472

Date: 07.10.2021

TEST REPORT

To

M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)

VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2021/G/212623	Report Date	07.10.2021
Your Ref. No.	Nil	Type of sample	RO- 1 Rejected Water
Sample Code Given by Customer	Nil	Quantity	3 Litre (2 litre Plastic Bottle + 1litre glass bottle)
		Date of sampling	23.09.2021
Sampling Location	ETP	Date of sample receipt	24.09.2021
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2021/G/2623
Sampling procedure	As per Lab SOP	Date of test	24.09.2021-04.10.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.68	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002,Reaff.2017 APHA 23 rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/l	2	100	600	200	IS:3025(Part-17)2012, Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/l	2142	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	11	30	350	100	IS: 3025(Part-44)2009, Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/l	38.4	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	4	10	20	10	IS:3025(Part-39)2003,Reaff.2014 APHA 23 rd Edition:2017-5520 B

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Dispatch No: ETL/DSP/214473

Date: 07.10.2021

TEST REPORT

To
M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2021/G/212624	Report Date	07.10.2021
Your Ref. No.	Nil	Type of sample	RO- 2 Product Water
Sample Code Given by Customer	Nil	Quantity	3 Litre (2 litre Plastic Bottle + 1litre glass bottle)
		Date of sampling	23.09.2021
Sampling Location	ETP	Date of sample receipt	24.09.2021
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2021/G/2624
Sampling procedure	As per Lab SOP	Date of test	24.09.2021-04.10.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.64	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002, Reaff.2017 APHA 23 rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/l	ND	100	600	200	IS:3025(Part-17)2012, Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/l	152	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	9	30	350	100	IS: 3025(Part-44)2009, Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/l	18.4	250	No guideline	No guideline	IS:3025(Part-58)2006, Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	5	10	20	10	IS:3025(Part-39)2003, Reaff.2014 APHA 23 rd Edition:2017-5520 B

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Dispatch No: ETL/DSP/ 214474

Date: 07.10.2021

TEST REPORT

To
M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2021/G/212625	Report Date	07.10.2021
Your Ref. No.	Nil	Type of sample	RO- 2 Rejected Water
Sample Code Given by Customer	Nil	Quantity	3 Litre (2 litre Plastic Bottle + 1litre glass bottle)
		Date of sampling	23.09.2021
Sampling Location	ETP	Date of sample receipt	24.09.2021
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2021/G/2625
Sampling procedure	As per Lab SOP	Date of test	24.09.2021-04.10.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.83	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002,Reaff.2017 APHA 23 rd Edition:2017-4500H*B
2.	Total Suspended Solids, mg/l	4	100	600	200	IS:3025(Part-17)2012, Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/l	3990	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	6	30	350	100	IS: 3025(Part-44)2009, Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/l	19.2	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	4	10	20	10	IS:3025(Part-39)2003,Reaff.2014 APHA 23 rd Edition:2017-5520 B

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Dispatch No: ETL/DSP/214475

Date: 07.10.2021

TEST REPORT

To
M/s AMBUJA CEMENT LIMITED. (UNIT ROPAR)
VILLAGE DABURJI, PO LODHIMAJRA, DISTT ROPAR, (PB)

Report No.	ETL/44/2021/G/212626	Report Date	07.10.2021
Your Ref. No.	Nil	Type of sample	ETP Inlet Water
Sample Code Given by Customer	Nil	Quantity	3 Litre (2 litre Plastic Bottle + 1litre glass bottle)
		Date of sampling	23.09.2021
Sampling Location	ETP	Date of sample receipt	24.09.2021
Sample Collected by	Lab Person	Sample I.D.	ETL/32/2021/G/2626
Sampling procedure	As per Lab SOP	Date of test	24.09.2021-04.10.2021

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	8.34	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS:3025 (Part-11)2002,Reaff.2017 APHA 23 rd Edition:2017-4500H+B
2.	Total Suspended Solids, mg/l	10.4	100	600	200	IS:3025(Part-17)2012, Reaff.2017 APHA 23 rd Edition:2017-2540 D
3.	Total Dissolved Solid, mg/l	1220	2100	2100	2100	IS:3025(Part-16)2006, Reaff.2017 APHA 23 rd Edition:2017-2540 C
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/l	8	30	350	100	IS: 3025(Part-44)2009, Reaff.2014. APHA 23 rd Edition:2017-5210 B
5.	Chemical Oxygen Demand, mg/l	22.2	250	No guideline	No guideline	IS:3025(Part-58)2006,Reaff.2017 APHA 23 rd Edition:2017-5220 B
6.	Oil and Grease, mg/L	8	10	20	10	IS:3025(Part-39)2003,Reaff.2014 APHA 23 rd Edition:2017-5520 B

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.

Samel
(Checked By)



Ajeet Singh
(Authorized Signatory)
AJEET SINGH
Dy. Technical Manager
Environ Tech Laboratories

10/10

ਪੰਜਾਬ ਸਰਕਾਰ
ਵਣ ਅਤੇ ਜੰਗਲੀ ਜੀਵ ਸੁਰੱਖਿਆ ਵਿਭਾਗ, ਪੰਜਾਬ
ਦਫ਼: ਵਣ ਮੰਡਲ ਅਫਸਰ, ਰੂਪਨਗਰ।
Email ID-dforupar@gmail.com
Phone No. 01881-222231

ਸੇਵਾ ਵਿਖੇ,

ਸ੍ਰੀ ਰਾਜੀਵ ਜੈਨ
ਸੀਨੀਅਰ ਵਾਈਸ ਪ੍ਰੋਜੈਕਟ,
ਅੰਬੂਜਾ ਸੀਮੈਂਟ ਲਿਮਿਟਿਡ,

ਨੰਬਰ: 10295

ਮਿਤੀ: 10-1-19

ਵਿਸ਼ਾ:- Request for Vetting of Green Cover

ਹਵਾਲਾ:- ਆਪ ਦਾ ਪੱਤਰ ਨੰਬਰ 722 ਮਿਤੀ 19.11.18

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਤੇ ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਦੇ ਸਬੰਧ ਵਿੱਚ ਵਣ ਰੇਂਜ ਅਫਸਰ, ਰੂਪਨਗਰ ਨੇ ਆਪਣੇ ਪੱਤਰ ਨੰਬਰ 803 ਮਿਤੀ 31.12.18 ਰਾਹੀਂ ਇਸ ਦਫਤਰ ਨੂੰ ਰਿਪੋਰਟ ਕੀਤੀ ਹੈ ਕਿ ਅੰਬੂਜਾ ਸੀਮੈਂਟ ਫੈਕਟਰੀ ਦੇ ਕੰਪਲੈਕਸ, ਰਿਹਾਇਸ਼ੀ ਕਲੋਨੀ, ਟਰੈਕ ਯਾਰਡ ਦਾ ਏਰੀਆ ਚੈੱਕ ਕੀਤਾ ਗਿਆ। ਸਾਰੇ ਏਰੀਏ ਨੂੰ ਚੈੱਕ ਕਰਨ ਤੇ ਪਾਇਆ ਗਿਆ ਕਿ ਨਕਸ਼ੇ ਮੁਤਾਬਿਕ 33% ਏਰੀਏ ਵਿੱਚ ਗਰੀਨ ਕਵਰ ਰੁੱਖਾਂ ਦੇ ਰੂਪ ਵਿੱਚ ਖੜ੍ਹਾ ਹੈ। ਜਿਸ ਵਿੱਚ ਪੁਰਾਣੇ ਰੁੱਖ ਅਤੇ ਨਵੇਂ ਰੁੱਖ ਲਗਾਏ ਗਏ ਰੁੱਖ ਸ਼ਾਮਲ ਹਨ।

ਇਹ ਆਪ ਦੀ ਸੂਚਨਾ ਲਈ ਹੈ।

Aminder

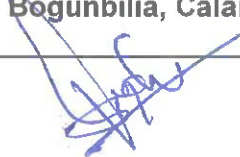
ਵਣ ਮੰਡਲ ਅਫਸਰ,
ਰੂਪਨਗਰ।
2019

Annexure - III

**AMBUJA CEMENTS LIMITED (UNIT - ROPAR)
PLANTATION DATA UPTO SEPTEMBER 2021**

Month	Trees planted	Shrubs planted
Upto December 2000	1125	2340
January to December 2001	650	570
January to December 2002	460	280
January to December 2003	505	350
January to December 2004	395	280
January to December 2005	450	450
January to December 2006	580	615
January to December 2007	640	380
January to December 2008	476	419
January to December 2009	510	425
January to December 2010	360	305
January to December 2011	605	660
January to December 2012	525	780
January to December 2013	430	423
January to December 2014	346	550
January to December 2015	515	780
January to December 2016	1650	880
January to December 2017	1200	770
January to December 2018	2500	1500
January to December 2019	400	600
January to December 2020	450	380
Upto June 2021	100	50
July 2021	0	0
August 2021	600	0
September 2021	0	0
TOTAL	15472	13787
	TOTAL	29259

Species Planted include: Silver Oak, Acacia Auriculiformis, Burma Neem, Neem, Chakrasia, Amaltas, Teak, Jamun, Satpatia, Sagwan, Kachnar, Pulmaria, Palm, Sheesham, Ficus Benjamina, kaner, Acacia Biflora, Bogunbilia, Calandra, Roses, Chandni and seasonal plants etc

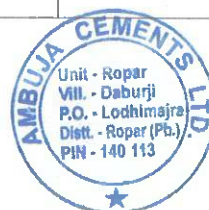


**Compliance of Conditions of CREP recommendations
Ambuja Cements Limited Village Daburji,
P.O. Lodhimajra, Tehsil & Distt. Ropar,
Punjab - 140113**

Sl. No.	Recommendation	Compliance Status
1	Cement Plants, which are not complying with notified standards, shall do the following to meet the standards; Augmentation of existing Air Pollution Control Devices - by July 2003. Replacement of existing Air Pollution Control Devices - by July 2004	Unit is already meeting the notified emission standards.
2	Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100mg/ Nm ³ limit or particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm ³ .	Emission level is maintained below the prescribed norms.
3	The new cement kilns to be accorded NOC/Environmental Clearance w.e.f 1.04.2003 will meet the limit of 50 mg/Nm ³ for particulate matter emissions.	Not Applicable as there is a 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 SO ₂ and NO _x emission standards by June 2004.	Not Applicable as this is a 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 from 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 covered areas. Maximum area inside plant is either covered with Greenery or it has been concreted to prevent fugitive emission.
7	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum cokes as fuel in cement kiln	Not Applicable as this is a standalone Grinding Unit.



	by July 2003.	
8	After performance evaluation of various types of continuous monitoring equipment and feedback form 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	Continuous emission monitoring system has been installed at all four Cement Mill Stacks and 3 Boiler stacks. Also a Continuous Ambient Air Quality Monitoring Station (CAAQMS) has been installed. All the stack emission monitors and CAAQMS have been connected with CPCB and State Pollution Control Board for online data transmission.
9	Tripping in kiln ESP to be minimized by July 2003 as per the recommendations of NTF.	Not Applicable as this is a 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. More over 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.	The condition is not Applicable as this is a 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. * Non complying units shall given bank guarantee to respective SPCBs.	Not Applicable.





SATPAL & ASSOCIATES

CHARTERED ACCOUNTANTS

OPP. SENIOR SECONDARY SCHOOL GHANAULI, ROPAR (PB)-140113

Ph.: 80540-39047

DATE: 22.09.2021

REF NO: 117

Annexure-V

TO WHOMSOEVER IT MAY CONCERN

As per information & explanations given and records produced to us, this is certified that Ambuja Cement Foundation has incurred the expenditure for the following CSR activities as per details mentioned below during the financial year 2020-2021:-

EXPENDITURE FOR THE YEAR 2020-21		
Sr. No.	Programme / Activity	Amount (Rs)
01	Water Resource Management	758762.00
02	Agro Based Livelihood	2581354.00
03	Health & Sanitation	2979977.00
04	Education – Ambuja Manovikas Kendra	7395873.00
05	Women Empowerment	750706.00
06	Integrated Community Development Programme	4904500.00
07	Establishment	728000.00
	Total	20099172.00

Date: 22.09.2021

Place: Ropar

For SATPAL & ASSOCIATES

Chartered Accountants

Membership Number 542160

Signature

(SATPAL)

(CHARTERED ACCOUNTANTS)

Membership Number 542160

UDIN :21542160AAAABD2459



Ambuja Cement Foundation - Ropar
Proposed CSR expenditure For The Year (2021-2026)

S. No.	Programme	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
1	Water Resource Management	925000	1017500	1119250	1231175	1354292.5
2	Agro Based Livelihood	2846000	3130600	3443660	3788026	4166828.6
3	Health & Sanitation	6152000	6767200	7443920	8188312	9007143.2
4	Women Empowerment	663000	729300	802230	882453	970698.3
5	Education	8510000	9361000	10297100	11326810	12459491
6	Rural Infrastructures Development / other welfare activities	5000000	5500000	6050000	6655000	7320500
7	Other Intervention	290000	319000	350900	385990	424589
8	Establishment	4099000	4508900	4959790	5455769	6001345.9
	Grand Total Expenditure (In Rs)	28485000	31333500	34466850	37913535	41704888.5



Doc. No.: F-E-020-27	Issue: 2.0	Pre-employees & periodic health examination of own employees	Issue Date: 10.08.11	Page 1 of 2
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General physical examination

General appearance	
Height (Cms)	5'9
Weight (Kg)	73 Kg
Vision	
Eyes-other defects(moles, squint)	NIL
Ears: evidence of middle ear disease	NIL
Hearing	
Mouth & Throat	No. Mouth/Throat Gp.
Tonsils	No. Tonsillitis.
Sinuses	No. Sinus Issues.
Nose	No. Septal Deviation
teeth	
Caries	No. Dental.
Dentures	
Pyrrhoea	No
Skin	Hydrated.
Nails	Pink.
Genital orifices	No
Hydrocele	No.
Genitalia	No.
Haemorrhoids	No.
Heart Murmurs	CVS-Sys 2(N) ECG Show. RBBB.
Pulse	82/min.
Blood pressure	130/80
Lungs	BR Equal AE @ Base.
Abdomen	
Liver	P/A soft Non Tender.
Spleen	

No Organomegaly.

Prepared By:
 Authorised By:
 Ashish Kumar
 Dr. Roshan Jyoti
 Sr. Pharmacist
 OHC



Head -

4/10

Patient Name: -

Age: -

UHID:

Date: -

Consultant Name: -

History/Complaints:

Plan of Care:

General / Systemic Examination:

Generally fit & Healthy.

Investigation Advised:

Next Follow up Date:

DEPARTMENT OF PATHOLOGY

INTERIM REPORT

LAB ID : 6053280

PATIENT NAME : MR SURENDER KUMAR GAUTAM /

F 2Hm
KPP 22

PRINTING NAME	RESULT VALUE	UOM	REFERENCE RANGE
T3	0.84	NG/ML	0.87-1.78 NG/ML
T4	8.80	MCG/DL	6.09-12.23 MCG/DL
TSH	2.126	MIU/L	0.34-5.6 MIU/L
S. CHOLESTEROL	231 ↑	MG/DL	DESIRABLE : <200 MG/DL BORDERLINE HIGH: 200 - 239 MG/DL HIGH : >=240 MG/DL
S. TRIGLYCERIDE	184	MG/DL	NORMAL : < 150 MG/DL BORDERLINE HIGH : 150-199 MG/DL HIGH : 200-499 MG/DL VERY HIGH : >= 500 MG/DL
S. HDL	50 ✓	MG/DL	40 TO 60 MG/DL
S. LDL	144 ✓	MG/DL	OPTIMAL <100 MG/DL NEAR TO ABOVE OPTIMAL 100 - 129 MG/DL BORDERLINE HIGH 130 - 159 MG/DL HIGH 160 - 189 MG/DL VERY HIGH > 190 MG/DL
VLDL	37	MG/DL	10 TO 30 MG/DL
BLOOD SUGAR (PP)	ANALYSIS IN PROCESS	MG/DL	NORMAL : 100-140 PREDIABETES: 140-199 DIABETES : >=200
URINE SUGAR [PP]	ANALYSIS IN PROCESS		
BLOOD SUGAR (F)	93 4	MG/DL	NORMAL : 70-110 MG/DL IMPAIRED: 111-125 MG/DL DIABETIC: >125 MG/DL
URINE SUGAR [F]			
HAEMOGLOBIN	15.4 ✓	GM%	13.0 - 17
RBC COUNT	5.03	MILL/CMM	4.5 - 5.5
HCT	50.7	%	40 - 50
MCV	100.7	FL	77-100
MCH	30.6	PG	26 - 33
MCHC	30.4	G/DL	33 - 36
RDW	12.5	%	13.3 - 18.3
WBC COUNT (TLC)	5750 ✓	/CMM	4000-11000
NEUTROPHILS	63 ✓	%	40-80
LYMPHOCYTES	31	%	20-40
EOSINOPHILS	02	%	1-6
MONOCYTES	04	%	2-10
BASOPHIL	00	%	0 - 2
PLATELET COUNT	1.55 LAKH	/CMM	1.50 - 4.50
RBCS			
WBCS			
PLATELETS			
MALARIAL PARASITE			
PLATELET COUNT (MANUAL)		/CMM	
S. BILIRUBIN (TOTAL)	0.4 ✓	MG/DL	0-1 DAY (PREMATURE) 1.0-8.0 MG/DL 0-1 DAY (FULL TERM) 2.0-6.0 MG/DL 1-2 DAY (PREMATURE) 6.0-12.0 MG/DL 1-2 DAY (FULL TERM) 6.0 - 10.0 MG/DL 3-5 DAY (PREMATURE) 10.0- 14.0 MG/DL 3-5 DAY (FULL TERM) 4.0-8.0 MG/DL ADULT 0.2 -1.3 MG/DL
S. BILIRUBIN (DIRECT)	0.1 ✓	MG/DL	0.0 TO 0.3 MG/DL
S. BILIRUBIN (INDIRECT)		MG/DL	0.0 TO 1.1 MG/DL
S. G.P.T	49 ✓	U/L	<50 U/L
S. G.O.T	33	U/L	17 TO 59 U/L
S. ALKALINE PHOSPHATASE	98	U/L	20-50 YRS : 53 TO 128 U/L 4-19 YR : 54 - 369 U/L >=51 YR : 56 - 119 U/L

SHALBY HOSPITAL, MOHALI
Phase IV Sector-63, S.A.S. Nagar, Mohali, Punjab, India. Tel: 0172-2907000
Tel: 0172-2907001 Email: info@shalby.org
Regd. Proprietor: Shalby Limited, Opp. Karnavati Club, S. G. Road, Ahmedabad - 380 015, Gujarat, India.

S. PROTEIN	9.2 ✓	G/DL	6.3 TO 8.2 G/DL
DEPARTMENT OF PATHOLOGY		G/DL	3.5 TO 5.0 G/DL
S. GLOBULIN	4.2 ↑	MG/DL	2.3 - 3.6
A/G RATIO	1.2 ✓		1.0 - 2.3
S. GGT (GAMMA GLUTAMYL TRANSAMINASE)	23	U/L	15 TO 73 U/L
BUN	10	MG/DL	9-20 MG/DL
S. CREATININE	0.7 ✓	MG/DL	0.6 - 1.5
S. URIC ACID	5.2 ✓	MG/DL	3.5 TO 8.5 MG/DL
S. SODIUM	142 ✓	MMOL/L	137-145 MMOL/L
S. POTASSIUM	4.7 ✓	MMOL/L	3.5-5.1 MMOL/L
S. CHLORIDE	103 ✓	MMOL/L	98-107 MMOL/L
		MG/DL	1 - 1
TSH		MIU/L	0.34-5.6 MIU/L
BLOOD UREA		MG/DL	19 TO 42 MG/DL
HBSAG	NON REACTIVE		NON REACTIVE
E.S.R	16 ↑	MM/1ST HR	1 TO 7 MM/HR

SHALBY HOSPITAL, MOHALI

Phase-IX Sector-63, S.A.S. Nagar, Mohali, Punjab, India. Tel: 0172-4907000

Tel: 0172- 5063617 | Email: info.mohali@shalby.org

Regd. Office: Shalby Limited, Opp. Karnavati Club, S. G. Road, Ahmedabad - 380 015, Gujarat, India.



INDUS HEALTHCARE



61

Name: -	SURINDER GAUTAM
Age/ Sex: -	50/M
Emp Code: -	2004064
Date: -	31/07/2021
Ref By :-	MEDICAL
Radiologist: -	DR. NEHA UTTAM
Imaging Center: -	INDUS HOSPITAL MOHALI (PUNJAB)

Investigation: X-RAY-CHEST PA VIEW

Lung fields appear normal.

Chest cage is within normal limit.

Trachea is central.

Costophrenic & Cardio phrenic angles and apices are normal.

Lung Fields are clear with no parenchymal lung lesion seen.

Aortic shadow is normal.

Both hila are unremarkable.

Cardiac size appears normal.

Both domes are normally placed with normal contours.

IMPRESSION:

- **NORMAL STUDY**

Suggested Clinical Correlation

Neha

Dr. Neha Uttam
Consultant Radiologist

INDUS INTERNATIONAL HOSPITAL

(A unit of Indus Super Speciality Healthcare Pvt. Ltd.)

Chandigarh-Ambala Road, National Highway - 22, Derabassi (MOHALI) Punjab (India)-140507
24x7 Indus Information Centre +91 1762 512666 | contact@indushospital.in | www.indushospital.in

NOT VALID FOR MEDICO-LEGAL PURPOSES

ID: 2/

31-07-2021 15:10:55

AECW Cc

Male Years
cm kg / mmHg
Minnesota Code:
7-3-0 1-1-2
9-4-2 2-1-2

HR : 82 bpm
P : 09 ms
PR : 147 ms
QRS : 98 ms
QT/QTc : 381/446 ms
P/QRS/T : 74/-40/46 °
RV5/SV1 : 0.96/0.153 mV

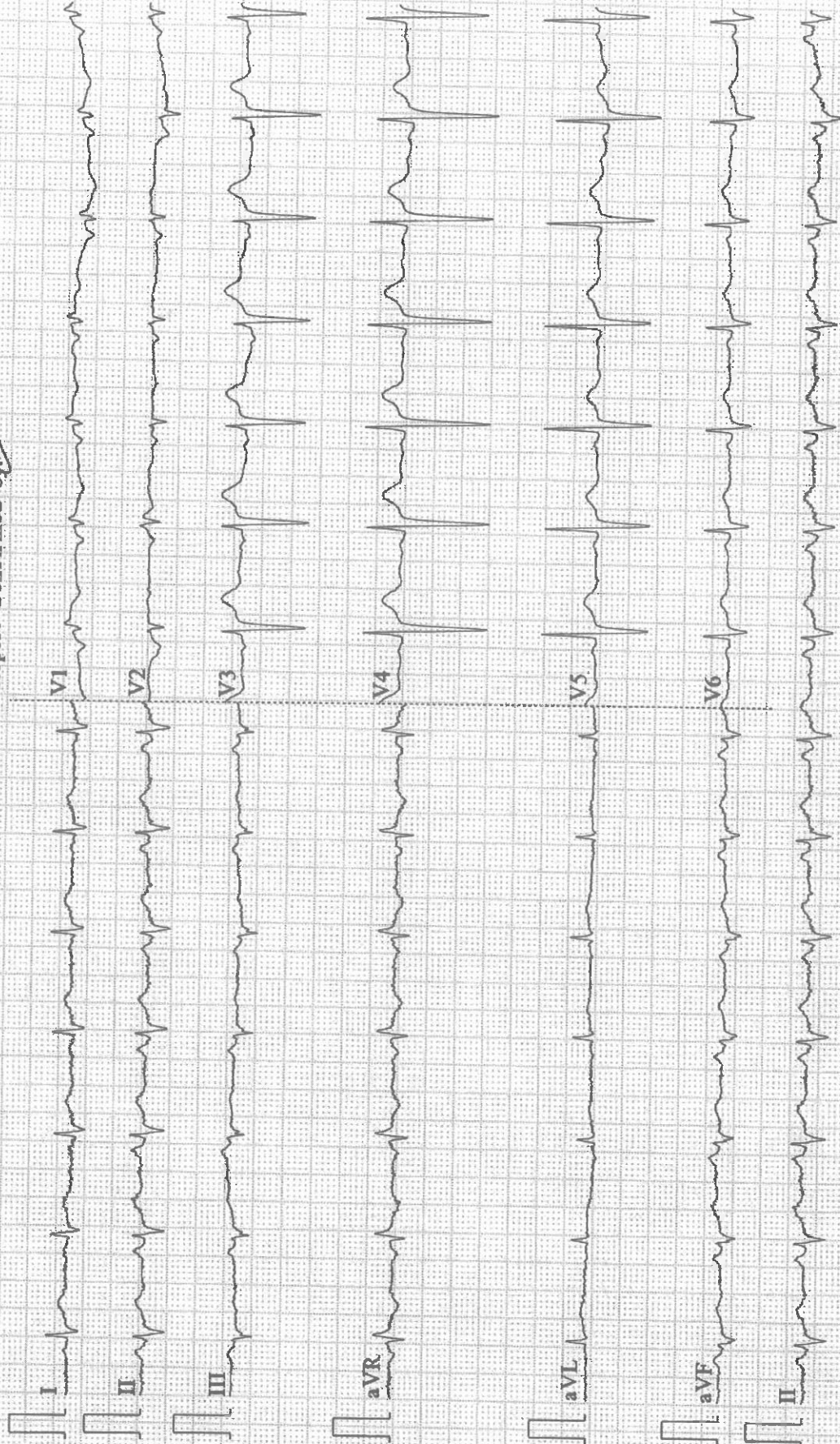
Diagnosis Information:
Sinus Rhythm
Largd PtfV1
Incomplete Right Bundle Branch Block
Abnormal q Wave(V1)
Left Axis Deviation

Sune ndra Gattam

2004064 (Pack)

(6/)

Report Confirmed by: ✓



6/10

Sushil Kumar C
C.P.D.

Doc. No.: F-E-020-27	Issue: 2.0	Pre-employees & periodic health examination of own employees	Issue Date: 10.08.11	Page 1 of 2
-------------------------	---------------	---	-------------------------	----------------

General physical examination

General appearance	
Hight (Cms)	5'5"
Weight (Kg)	68 kg
Vision	DN 6/6 B.E.U.A.N.V.N. 6/6 aided
Eyes-other defects(moles,squint)	NIL Colour in conjunctiva
Ears: evidence of middle ear disease	
Hearing	No. Hearing loss.
Mouth & Throat	No ulcers.
Tonsils	No Tonsillitis
Sinuses	Swollen
Nose	
teeth	
Caries	
Dentures	No Denture.
Pyrrhoea	No.
Skin	Pink
Nails	- Pink.
Hernial orifices	NO
Hydrocele	NO
Genitalia	NO
Haemorrhoids	NO.
Heart Murmurs	
Pulse	76 -
Blood pressure	120/90 mmHg
Lungs	- Bil Equal E.A. @ Base.
Abdomen	
Liver	
Spleen	1/4 soft No Tenderness.

Prepared By:
Authorised By:
Ashsih Kumar
Dr. Roshan Jyoti
Sr. Pharmacist
OHC



Head

7/10

DEPARTMENT OF PATHOLOGY

SHALBY MULTI-SPECIALTY HOSPITAL

Patient Name : **SUSHIL KUMAR**

OP / IP No : **MOH0000043861**

Age/Sex : **46 Years /M**

Referred By :

Lab ID : **6053466**

DOB :

Sample Collected On : **30-Jul-2021 15:47**

Sample Registered On : **30-Jul-2021 15:47**

Sample Received On : **30-Jul-2021 15:48**

Sample Type :



Parameter	Result	Unit	Biological Reference Interval
HAEMOGLOBIN	15.2 ✓	gm%	13.0 - 17
Modified Haemoglobin cyanide method			
HCT	50.2	%	40 - 50
Calculated method			
MCV	94.3	fL	77-100
Electrical Impedance			
MCH	28.6	pg	26 - 33
Calculated method			
MCHC	30.3	g/dL	33 - 36
Calculated method			
RDW	14.2	%	13.3 - 18.3
Calculated method			
WBC count (TLC)	7810	/cmm	4000-11000
Electrical Impedance			
LYMPHOCYTES	30	%	20-40
MONOCYTES	06	%	2-10
EOSINOPHILS	09	%	1-6
BASOPHIL	00	%	0-2
PLATELET COUNT	2.34 LAKH ✓	/cmm	1.50 - 4.50
Electrical Impedance			
ESR			
ESR 1st hr	05		0 - 18
Modified Westergren Method			
BLOOD SUGAR (F)	77	mg/dL	Normal : 70-110 mg/dL Impaired: 111-125 mg/dl Diabetic: >125 mg/dl
Glucose oxidase,hydrogen peroxidase			
BUN	10	mg/dL	9-20 mg/dl
Urease,colorimetric			
S. CREATININE	0.9	mg/dL	0.6 - 1.5
Enzymatic			

Lab Technician

Approved by : **DR.AKANKSHA RAWAT**
MD PATHOLOGY
Consultant Pathologist

Approved On : **31-Jul-2021 00:04:00**

SHALBY HOSPITAL, MOHALI

Phase-IX Sector-63, S.A.S. Nagar, Mohali, Punjab, India. Tel: 0172-4907000

Tel: 0172- 5063617 | Email: info.mohali@shalby.org

Regd. Office: Shalby Limited, Opp. Karnavati Club, S. G. Road, Ahmedabad - 380 015, Gujarat, India.

8/10

Patient Name : **SUSHIL KUMAR**

OP / IP No : MOH0000043861

Age/Sex : 46 Years /M

Referred By :

Lab ID : 6053466

DOB :

Sample Collected On : 30-Jul-2021 15:47

Sample Registered On : 30-Jul-2021 15:47

Sample Received On : 30-Jul-2021 15:48

Sample Type :

**S.TRIGLYCERIDE****275** ↑

mg/dL

 Normal : < 150 mg/dl
 Borderline High : 150-199 mg/dl
 High : 200-499 mg/dl
 Very High : ≥ 500 mg/dl

Enzymatic, End point

S.dHDL

53

mg/dL

40 to 60 mg/dL

Direct Measure, Modified Enzymatic.

VLDL

55

mg/dL

10 to 30 mg/dL

T3

0.76

ng/mL

0.87-1.78 ng/ml

By Enzyme Linked Immunofluorescent Assay (ELFA)

T4

8.97

mcg/dL

6.09-12.23 mcg/dL

By Enzyme Linked Immunofluorescent Assay (ELFA)

TSH

2.841

mIU/L

0.34-5.6 mIU/L

By Enzyme Linked Immunofluorescent Assay (ELFA)

HBsAg

Non-reactive

Non reactive

Rapid Chromatography

COLOUR

Pale yellow

Pale yellow

TRANSPERANCY

Clear

Clear

PH

6.5

5.0 to 8.0

SP.GRAVITY

1.020

1.005 - 1.020

CHEMICAL EXAMINATION

PROTEIN

Nil

Nil

GLUCOSE

Nil

Nil

KETONE BODIES

Nil

Nil

MICROSCOPIC EXAMINATION

LEUCOCYTE

0-1/hpf

RED BLOOD CELL

Nil

EPITHELIAL CELL

0-1/hpf

CRYSTALS

Nil

CAST

Nil

BACTERIA

Nil

Lab Technician

 Approved by : **DR. AKANKSHA RAWAT**
 MD PATHOLOGY
 Consultant Pathologist

Approved On : 31-Jul-2021 00:04:00

SHALBY HOSPITAL, MOHALI

Phase-IX Sector-63, S.A.S. Nagar, Mohali, Punjab, India. Tel: 0172-4907000

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Regd. Office: Shalby Limited, Opp. Karnavati Club, S. G. Road, Ahmedabad - 380 015, Gujarat, India.

9/10

Sukhil Kumar-200419
(CPP)
⑮

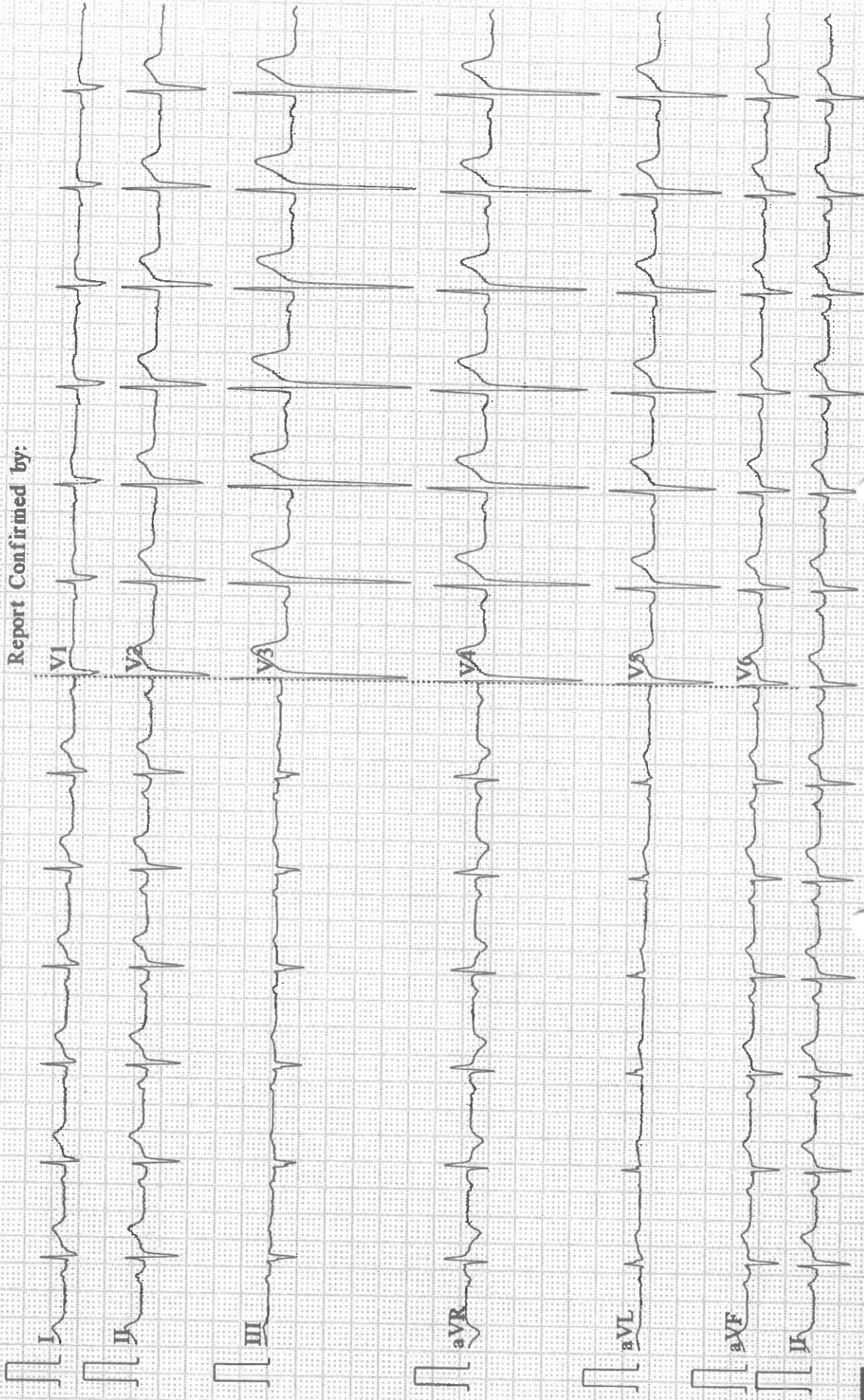
Diagnosis Information:
Sinus Rhythm
Left Axis Deviation

HR : 82 bpm
P : 95 ms
PR : 153 ms
QRS : 83 ms
QT/QTc : 334/391 ms
P/QRS/T : 59/-41/43 °
RV5/SV1 : 0.745/0.486 mV

Male
cm / mmHg

Years
kg

Minnesota Code:
9-4-2 2-1-2



Report Confirmed by:

EXPENSES INCURRED ON ENVIRONMENT PROTECTION AND OTHER RELATED ACTIVITIES

S.No.	Items	Expenditure Detail
		Recurring (Rs.) (01.4.21 to 30.09.21)
1	Air Pollution Control/Measures	1105542
2	Water Pollution Control Measures	70938
3	Road Sweeping Machines	1035850
4	Housekeeping	1724514
5	Occupational Health & safety	1008814
6	Green Belt	1301254
7	Other Misc (Regulatory fee etc)	316653
	Total	6563565

