



JK Cement LTD.

ISO 9001 : 2008, ISO 14001:2004 & OHSAS 18001 : 2007 CERTIFIED COMPANY
CIN : L17229UP1994PLC017199

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J.K. Cement Works, Balasinor
(A Unit of J.K. Cement Ltd.)
C/o. Ahmedabad-Indore Highway, Balasinor,
Village - Vadala, Tehsil - Balasinor
Distt.- Mahisagar (Gujarat), India

Date : 26.05.2021

Ref. No.: BL/EMD/MoEF/F 01/004

To,

The Regional Director

Regional Office (WZ),

Ministry of Environment, Forest and Climate Change

Kendriya Paryavaran Bhawan,

E-5, Arera Colony, Link Road-3,

Ravi Shankar Nagar

BHOPAL – 462 016

E-Mail: rowz.bpl-mef@nic.in

Subject: Half Yearly (October' 2020 to March' 2021) Environmental Clearance Compliance Report of J.K. Cement Works, Clinker Grinding Unit: Capacity 1.0 MMTPA at Village: Vadadala, Taluka: Balasinor, District: Mahisagar (Gujarat).

Ref.: Environmental Clearance SEIAA, Gujarat Letter. No. SEIAA/GUJ/EC/3(b)/463/2019, dated 25.03.2019.

Dear Sir,

With reference to above stated Environment Clearance (EC) accorded to JK Cement Works for Clinker Grinding Unit capacity 1.0 MMTPA at Village: Vadadala, Taluka: Balasinor, District: Mahisagar (Gujarat). Please find enclosed herewith the copy of Half Yearly (October' 2020 to March' 2021) Environmental Clearance Compliance status report. As per MoEF & CC notification no. S.O. 5845 (E) 26.11.2018 the same soft copy has been send to below email id for your kind reference and record please. We trust you will find the same in order.

Thanking you,

Yours faithfully,

For JK Cement Works

Arun Sharma

Unit Head

Encl.: 1. Copy of Environmental Clearance Compliance Status Report. Copy to:

1. The Member Secretary, Gujarat Pollution Control Board, Paryawaran Bhawan, Sector- 10 A, Gandhi Nagar (Gujarat). E. mail: ms-gpcb@gujarat.gov.in.
2. The Regional Officer, Gujarat Pollution Control Board, 20, Haidri Society, Near DSP Office, Gita Nagar, Godhra (Gujarat) 389 001, E. mail: ro-gpcb-godh@gujarat.gov.in.
3. The REGIONAL DIRECTORATE- CPCB, VADODARA Parivesh Bhawan, Opp. Ward No. 10 VMC Office Subhanpura, Vadodara- 390023 E. mail: praseen_gargava@yahoo.com & westzonecpcb@yahoo.com.



Corporate & Registered Office : Kamla Tower, Kanpur - 208 001 (U.P.) INDIA
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Units :	J. K. Cement Works, Nimbahera	J. K. Power, Bamanla
	J. K. Cement Works, Mangrol	J. K. Cement Works, Muddapur
	J. K. Cement Works, Gotan	J. K. White Cement Works, Gotan
	J. K. Cement Works, Jharli	J. K. White Katni



Environmental Clearance Half Yearly Compliance Report (October' 2020 – March' 2021)

M/s. J.K. Cement Works, Cement Grinding Unit at S. No.: 1342/3, 1327, 1336, 1328, 1333 & 1334, Village: Vadadala, Taluka: Balasinor, Dist.: Mahisagar (Gujarat).

Ref. No. SEIAA/GUJ/EC/3(b)/463/2019, Dated: 25th March, 2019

C. No.	S. No.	Name of Compliance	Status														
A	CONDITIONS:																
A.1	SPECIFIC CONDITION:																
	1.	Project proponent shall procure raw materials like Limestone for the proposed project from the authorized mining units having Environmental Clearance as per the EIA Notification 2006, CTE & CC&A.	Not Applicable. It's a Clinker Grinding & Packing Unit only. No use of Limestone.														
	2.	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by Green India Consulting Private Limited, Ghaziabad was submitted by project proponent vide letter no. NIL dated 12/12/2018 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered.	Noted. EIA report of the project prepared by Yuva Enviro Experts, Ahmedabad was submitted by project proponent.														
	3.	Complete Zero Liquid Discharge (ZLD) status shall be maintained all the time and there shall be no drainage connection from the premises.	ZLD is being maintained and total waste water generated are utilized in plantation. <table><tr><th>Month</th><th>KLM</th></tr><tr><td>October 2020</td><td>32.91</td></tr><tr><td>November2020</td><td>52.33</td></tr><tr><td>December 2020</td><td>98.31</td></tr><tr><td>January 2021</td><td>120.45</td></tr><tr><td>February 2021</td><td>87.7</td></tr><tr><td>March 2021</td><td>116.6</td></tr></table>	Month	KLM	October 2020	32.91	November2020	52.33	December 2020	98.31	January 2021	120.45	February 2021	87.7	March 2021	116.6
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October 2020	32.91																
November2020	52.33																
December 2020	98.31																
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March 2021	116.6																
	4.	Unit shall comply provisions of MoEFCC's O.M. No. 22-65/2017-IA.III dated 01/05/2018 regarding Corporate Environment Responsibility (CER). Fund allocation for Corporate Environment Responsibility (CER) shall be made as per the said OM dated 01/05/2018 for various activities therein. Item-wise details along with time bound action plan shall be prepared and submitted to the concern authorities.	Detailed CER plan along with budgetary allocation has been submitted to SEIAA, Gujarat along with final EIA report. However, Rs 3.72 Lakhs expenditure made in various CSR activities during FY 2020-21 details od same are given in <u>Annexure -1</u> .														
	5.	Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA.III dated 09/08/2018 for Stand-alone Cement grinding units without Captive Power Plant as mentioned at Sr. no. xii.	Unit is complying the applicable standard conditions.														
	6.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Complied Continuous Emission Monitoring System (CEMS) /Opacity Monitor) at Cement Mill Stack has been installed and connected to CPCB & GPCB server. Product conformity certificate enclosed <u>Annexure-2</u>														
	7.	The project proponent must strictly adhere to the stipulations made by the Gujarat Pollution Control Board, State Government and/or any other statutory authority.	Noted.														

8.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G. S. R. No. 826 (E) dated 16th November, 2009 shall be complied with.	Noted & Complying with Ambient air quality for the PM10, PM2.5, SO2 and NOx is being maintained under prescribed limit. enclosed <u>Annexure-3</u>
9.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (In case of the presence of schedule-I species in the study area).	Not Applicable, Schedule-I species not found in the study area.
10.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	Complying with. Fugitive emission monitoring is being carried out on quarterly basis through labs recognized under Environment (Protection) Act, 1986. Fugitive emission monitoring report is enclosed as <u>Annexure -4</u>
11.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Complying with. The compliances will be verified during the scheduled visit. Status of EMP is enclosed as <u>Annexure-1.</u>
12.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Complying with Already given at point No. 6
13.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	Complying with Already given at point No. 10
14.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Complied With Bag house has been installed with cement mill and total 18 nos. of filter also installed at various material transfer point. List of the same is Enclosed as <u>Annexure -5</u>
15.	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.	Complied With Covered transportation and conveying system for raw material & closed bulkers for carrying fly ash is being practiced to prevent spillage and dust generation.

	16.	Transportation of coal, to the extent permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun etc. shall be carried out in critical areas prone to air pollution (with higher values of PM10/ PM2.5) such as haul road, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.	Complying with. Regular water spray on roads or being done. Material transported through the trucks are covered with tarpaulin.				
	17.	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.	Noted & Complying with. <u>Annexure - 6</u>				
18.	All the issues raised in the public hearing shall be comprehensively addressed / complied with in a time bound manner.		Complied with. Latest status of CER details and Public hearing details with time bound action plan attached in <u>Annexure -7</u>				
WATER:							
19.	Total water requirement for the project shall not exceed 300 KLD. Unit shall reuse 30 KLD of treated sewage for gardening & plantation within premises and hence, fresh water requirement shall not exceed 270 KLD and it shall be met through ground water. Necessary permission from Central Ground Water Authority (CGWA) in this regard shall be obtained from the concern Authority.		Noted & Complied with. CGWA NOC has been obtained vide letter No. CGWA/NOC/IND/ORIG/2019/5430, dated: 28.05.2019. and Online Renewal application has been submitted vide application no. 24-4/3637/GJ/IND/2018 dt. 01.03.2021. Copy enclosed as <u>Annexure-8.</u>				
20.	There shall be no industrial waste water generation & no discharge from the proposed activity.		Noted & Complying with				
21.	Domestic wastewater generation shall be 30 KLD and it shall be treated through adequate capacity STP and treated sewage shall be reused for gardening/plantation within premises.		Complied with 10 KLD STP has been installed in plant premises and treated effluent is being reused for gardening/plantation within premises. STP treated water report is enclosed as <u>Annexure -9.</u>				
22.	During monsoon season when treated sewage effluent may not be required for the plantation / Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of waste water outside the premises in any case.		During the monsoon season treated waste water will be reused in Mill spray				
23.	Unit shall provide buffer water storage tank of adequate capacity for storage of treated waste water during rainy days.		Complying with.				
24.	The company shall harvest rainwater from the rooftop of the building to recharge the ground water and to use the same water for the various activities of the project to conserve fresh water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.		Complying with. Roof top rain water channelized to harvesting structures to recharge the ground water. Photographs are enclosed <u>Annexure -10</u>				
AIR:							
25.	Unit shall not exceed fuel consumption for HAG and stand-by DG set as mentioned below:						
Sr. No.	Source of emission with capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emissions i.e. Air Pollutants	Air Pollution Control Measures (APCM)	
1.	DG Set, 500 KVA	As per Norms	Diesel	240 Liters/Day	PM, SO2, NOx, CO	Noiseless	

2	HAG (Hot Air Generator)	No Stack	Coal	150 TPD	All Hot Air Goes to close circuit Cement Mill and exit from Bag house through Fan of mill circuit		Complyingwith
3	HAG (Hot Air Generator)	No Stack	Oil/ Diesel	5.0 KLD	All Hot Air Goes to close circuit Cement Mill and exit from Bag house through Fan of mill circuit		
26.	Unit shall provide adequate APCM with flue gas generation sources as mentioned above:						Complying with
27.	Unit shall provide adequate APCM with process gas generation sources as mentioned below:						
		Sr. No.	Specific Source of emission (Name of the Product & Process)	Type of emission	Stack/Vent Height (meter)	Air Pollution Control Measures (APCM)	Complying with, APCM have been provided at the sources.
		1	Cement Mill (Cement)	PM	39	Bag House	
		2	Clinker Hopper	PM	Vent provided at the height of 30	De-dusting Bag Filter	
		3	Coal Crusher	PM	30	Bag Filter	
		4	Fly Ash Silo	PM	Vent provided at the height of 36	De-dusting Bag Filter	
		5	Clinker Silo	PM	Vent provided at the height of 32	De-dusting Bag Filter	
		6	Packing Unit No.1	PM	36	Bag Filter	
		7	Packing Unit No.2	PM	36	Bag Filter	
	28.	The above-mentioned measures are indicative and the unit may explore the possibilities of other latest devices also to achieve the better results & better compliance of the air pollution control norms prescribed by the Gujarat Pollution Control Board (GPCB).				Noted.	
	29.	The Reverse Pulse Jet Bag Filters shall be provided with proper metallic casing, adequate stack height and stack monitoring requirement facility.				Complied Bag Filters & adequate stack height of Cement Mill with monitoring facility has been provided.	
	30.	The design the air pollution control equipment (APCE) shall be validated by the reputed institutes and APCEs shall be fabricated, erected and commissioned under guidance and supervision of the said institute.				APCEs have been designed and installed with the supervision of technical expert.	
	31.	The APCM shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB at stack outlet.				Complying with APCE are effectively operative with 99.9% efficiency .and stack monitoring reports are attached enclosed as <u>Annexure-11</u>	
	32.	Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.				Noted & Complying with	
	33.	Stack/Vents of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.				Already given at point No. 27	
	34.	Interlocking facility of the pollution control equipment and the equipment(s) to which it is attached should be provided in such a manner that in the event of pollution control equipment(s) not working, the respective unit(s) is shut down automatically.				Noted & Complying with	
	35.	Regular periodic preventive maintenance of the air pollution control systems shall be carried out during the operation phase.				Noted & Complied with	

	36.	The applicant shall carry out yearly performance evaluation of the air pollution control equipment through any reputed institute and furnish the reports in this regard to the Gujarat Pollution Control Board every year.	Noted & Complying with
	37.	The fugitive emission in the work zone environment and ambient air quality shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities including Director of Industrial Health and Safety as well as Gujarat Pollution Control Board from time to time. Following indicative guidelines shall be followed to reduce the fugitive emission.	Monitoring results for fugitive and ambient air quality are enclosed as <u>Annexure 3 & 4</u> respectively.
		a) Enclosure shall be provided at all loading and unloading operations.	Clinker unload on BRU, DFA unload in concrete silo, Gypsum unload & stored in additive shade.
		b) Water shall be sprayed on all raw materials stock pile periodically to retain some moisture in top layer except wet gypsum to reduce the fugitive emission.	Raw materials are stored in covered shed. Photo enclosed as <u>Annexure -12.</u>
		c) All transfer points shall be fully enclosed.	All transport point and raw material feeding line are fully enclosed. As <u>Annexure-13.</u>
		d) Accumulated dust on the ground and other surfaces shall be removed / swept regularly and water the area after sweeping.	Noted & Complied on regular basis.
		e) Internal roads shall be either asphalted or paved properly to reduce the fugitive emission during vehicular movement.	All Internal roads have been made pucca and regular sweeping are being done.
		f) The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various material handling areas. (e.g. raw material loading, unloading, conveying, transporting, stacking, bagging and packing etc.) Guidelines / Code of Practice issued by the CPCB for prevention and control of the fugitive emission shall be followed.	Complying with, dust collector have been provided all material handling transfer point, are enclosed as <u>Annexure -14</u>
	38.	Regular monitoring of ground level concentration of PM10, PM2.5, SO2 & NOx shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB	Noted and Complying with. Ambient monitoring results are within norms. Location of the monitoring stations and frequency of monitoring has been decided by consultation with the GPCB.
A.4	SOLID / HAZARDOUS WASTE:		
	39.	The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	Noted & Complied with Hazardous Waste Authorization from the GPCB has been obtained vide consent order no. AWH-109494, Date of issue: 28/09/2020, enclosed as <u>Annexure-15.</u>
	40.	Used oil shall be sold only to the registered recycler.	Used oil is being sold to CPCB/GPCB Authorized re-cycler.
	41.	The cement dust collected from the different Air Pollution Control Equipment and other collection systems shall be reutilized in the plant itself.	100% Dust collected in various APCE is being recycled in system.
A.5	SAFETY:		
	42.	Proper ventilation shall be provided in the work area.	Noted & Complied with Proper ventilation in the working area has been provided.

	43.	Personal Protective Equipment shall be provided to workers and its usage shall be ensured and supervised.	Agreed & Complied with Personal Protective Equipment (PPE's) have been provided to workers and employee.
	44.	First Aid Box shall be made readily available in adequate quantity in the unit.	Agreed & Complied with First Aid Box has been provided in various sections in plant.
	45.	Regular periodic work zone ambient air monitoring shall be carried out for measuring concentrations of cement dust, silica dust etc. through qualified industrial hygienist and its records shall be maintained.	Reply given at point no. 37.
	46.	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken on regular basis as per Factories Act & Rules.	Noted & Complying with Pre-employment and periodical medical examination are being done. Its records are enclosed as <u>Annexure-16.</u>
	47.	All necessary safety measures shall be taken to avoid any kind of accident.	Noted & Complying with All necessary safety measures have been taken to avoid any kind of accident.
	48.	Training shall be imparted to all the workers on safety and health aspects.	Noted & Complying with Training & Tool Box Talk (TBT) is being done regularly.
A.6	NOISE:		
	49.	The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.	Noted & Complying with Noise level in and around the plant area are within the norms. and report enclosed in <u>Annexure - 17</u>
A.7	CLEANER PRODUCTION AND WASTE MINIMISATION:		
	50.	The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	There is no waste generation from the plant. However, used oil generated is being sold to Authorized recycler.
	51.	Efforts shall be made to use more fly ash in cement manufacturing without compromising the quality of the cement.	Fly ash is being used as per BIS guideline.
A.8	GREEN BELT AND OTHER PLANTATION:		
	52.	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Noted & Complying with Green belt in 33% of the entire plant will be completed & till date 5087 Nos. native species of plants have been planted, covered 0.98 hector of plant area.

	53.	The unit shall develop green belt within the factory premises as per the CPCB guidelines, consisting of at least three rows of trees of local species on periphery. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation at suitable open land on road sides and other open areas in nearby locality or schools in consultation with the Gram Panchayat / GPCB and submit an action plan of plantation for next three years to the GPCB.	Noted & will be complied. Plantation has been developed along the periphery of industrial premises.
A.9	OTHER CONDITIONS:		
	54.	Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F.No. 22-34/2018-IA.III dated 09/08/2018.	Already given at point no. 5
	55.	In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.	Not Applicable as spray dryer will be not used in plant premises.
	56.	The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the	Reply is given at point no. 4
		regional office of MoEFCC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.	
	57.	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	Noted & complied with
	58.	All the recommendations of the Corporate Responsibility of Environment Protection (CREP) shall be strictly followed.	Reply is given at point no. 17
	59.	All the recommendations made in the EIA / EMP report of the project submitted by the project proponent shall be implemented effectively.	Noted & complied with
	60.	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Not Applicable No. additional condition imposed by SEAC or SEIAA.
	61.	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Noted & complied with
	62.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Hazardous Wastes (Management, and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted & complied with
	63.	The granting of Environment Clearance to the project by the SEIAA does not restrain or dilute any legal action to be initiated against the project proponent by any authority including the GPCB, for commencing the construction work and production without obtaining prior Environment Clearance.	Noted & complied with

	64.	The project proponent shall comply all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules, 2014” and its amendments from time to time in a letter and spirit.	Noted & complied with
	65.	The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	Noted & complied with
	66.	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Noted & complied with
	67.	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA and that GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Noted & Complied Advertisement Copy has been submitted vide letter No. BL/EMD/MoEFCC/2018-19/F005, dated 28.03.2019.
	68.	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Not Applicable No additional condition imposed by SEAC or SEIAA.
	69.	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1 st June and 1 st December of each calendar year.	Noted & Complying with Environment Clearance conditions compliance status report is being submitted regularly. Last half yearly compliance report has been submitted dated 27.11.2020.
	70.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
	71.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Noted
	72.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted
	73.	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.	Noted
	74.	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted Project work started from 01.04.2019 and Production started on 07.10.2020.
	75.	This environmental clearance is valid for seven years from the date of issue.	Noted
	76.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
	77.	Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.	Noted

Yours faithfully,
For JK Cement Works,

A handwritten signature in black ink, appearing to be 'Arun Sharma', written over a faint horizontal line.

Arun Sharma
Unit Head

Annexure-1

JK Cement Works

Village : Vadadala, Tahsil: Balasinor, Distt. Mahisagar (Gujarat)

Actual Spends under Corporate Environment Responsibility (CER)

S.NO.	Activities	Spends in (Lac)
1	Health (Health Checkup Camp etc.)	1.36
2	Education	0.43
3	Infrastructure (Road, Community Centre etc.)	1.63
4	Others Locals Need	0.30
	Total	3.72

CERTIFICATE

of Product Conformity (QAL1)

Certificate number: 0000001014_03

Certified AMS: 4500 MKIII for dust

Manufacturer: Land Instruments International Ltd.
Stubley Lane, Dronfield
Derbyshire, S18 1DJ
Great Britain

Test Institute: TÜV Rheinland Energy GmbH

**This is to certify that the AMS has been tested and certified
according to the standards**

**EN 15267-1 (2009), EN 15267-2 (2009), EN 15267-3 (2007)
and EN 14181 (2004)**

Certification is awarded in respect of the conditions stated in this certificate
(this certificate contains 6 pages).



Suitability Tested
EN 15267
QAL1 Certified
Regular
Surveillance

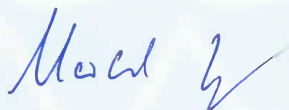
www.tuv.com
ID 0000001014

Publication in the German Federal Gazette
(BAnz.) of 20 July 2012

German Federal Environment Agency
Dessau, 22 July 2016

This certificate will expire on:
28 July 2021

TÜV Rheinland Energy GmbH
Cologne, 21 July 2016



Dr. Marcel Langner
Head of Section II 4.1



ppa. Dr. Peter Wilbring

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Tel. + 49 221 806-5200

TÜV Rheinland Energy GmbH
Am Grauen Stein
51105 Köln

Test institute accredited to EN ISO/IEC 17025:2005 by DAkkS (German Accreditation Body).
This accreditation is limited to the accreditation scope defined in the enclosure to the certificate D-PL-11120-02-00

Test report:	936/21217693/A of 21 March 2012
Initial certification:	29 July 2011
Expiry date:	28 July 2021
Certificate	renewal (previous certificate 0000001014_02 dated from 20 August 2012 with validity up to the 28 July 2016)
Publication:	BAnz AT 20.07.2012 B11, chap. I, no. 1.3

Approved application

The tested AMS is suitable for use at combustion plants according to Directive 2010/75/EU, chapter III (13. BImSchV), at waste incineration plants according to Directive 2010/75/EU, chapter IV (17. BImSchV) and other plants requiring official approval. The measured ranges have been selected considering the wide application range of the AMS.

The suitability of the AMS for this application was assessed on the basis of a laboratory test and a fifteen-month field test at a waste incineration plant.

The AMS is approved for an ambient temperature range of -20 °C to +50 °C.

The notification of suitability of the AMS, performance testing, and the uncertainty calculation have been effected on the basis of the regulations valid at the time of performance testing. As changes in legal regulations are possible, any potential user should ensure that this AMS is suitable for monitoring the limit value relevant to the application.

Any potential user should ensure, in consultation with the manufacturer, that this AMS is suitable for the installation at which it will be installed.

Basis of the certification

This certification is based on:

- test report 936/21217693/A of 21 March 2012 of TÜV Rheinland Energie und Umwelt GmbH
- suitability announced by the German Federal Environment Agency (UBA) as the relevant body
- the ongoing surveillance of the product and the manufacturing process

Publication in the German Federal Gazette: BAnz AT 20.07.2012 B11, chapter I, no. 1.3
Announcement by UBA from 06 July 2012:

AMS name:

4500 MKIII for dust

Manufacturer:

Land Instruments International Ltd, Dronfield, United Kingdom

Approval:

For measurements at plants requiring official approval and plants according to 27th BImSchV

Measuring ranges during the suitability test:

Component	Certification range	supplementary measurement ranges			Unit
dust	0 – 0.2	0 – 0.1	0 – 0.4	0 – 1.2	Ext.

0 – 0.2 Ext. \triangleq 15 mg/m³ dust at a measuring path of 5 m length.

Software versions:

Control Software Version: 01.03.01,
HI Software Version: 01.02.01

Restriction:

The AMS is only fit for purpose as long as it is assured that the temperature will not drop below the dew point.

Remarks:

1. Dust concentration is measured in wet flue gas under operating conditions.
2. The maintenance interval is six months.
3. Multiplying the length of the measuring path (5m) with a measuring range of 15 mg/m³ as determined through calibration, leads to a product of 75 mg m/m³ at the field test plant.
4. The requirement of the EN 15267-3 for the correlation coefficient R² of the calibration function was not met during the suitability test.
5. Complementary testing (extension of the maintenance interval) to Federal Environmental Agency notice of 23 February 2012 (Federal Journal (BAnz.) p. 920, Chapter I, No. 1.1).

Test report:

TÜV Rheinland Energie und Umwelt GmbH, Cologne
Report No.: 936/21217693/A of 21 March 2012

Certified product

This certificate applies to automated measurement systems conforming to the following description:

The measurement device 4500 MKIII was developed for the determination of the dust concentration at emitting plants. The underlying principle is the measurement of the optical transmission.

The Land Model 4500 MKIII is a further development from the Land Model 4500 MKII+. The main light source uses three green LEDs in a special configuration (patent pending) to ensure homogeneity over the entire transmitted light beam. The light source is modulated at a frequency of 1 kHz, to reduce electrical noise and eliminate errors due to ambient light. A second light source, the (patented) "Flood LED" is used to reduce the effect of temperature drift in the detectors to an almost immeasurable low level.

Electronic modulation eliminates the need for a mechanical chopper and so the only moving parts are the motors used in the calibration system. These motors have a very low duty cycle and are very reliable.

The Land Instruments International Model 4500 MKIII Continuous Opacity Monitoring System (COMS) measures opacity by shining a light beam through flue gases. An internal microprocessor calculates dust density and other parameters. The instrument comprises the following parts: The Transceiver which contains all of the optical and electro-optic components; the Retro-Reflector containing a glass reflector and the air purge system.

The air purge system is available in several forms depending upon individual site requirements. Single and dual electric blowers are available, as are compressed-air driven devices. Continuous purge air supply is essential to prevent dust and corrosive gases from affecting the optical system. Automatic fail-safe shutters can also be fitted for temporary protection in the event of a purge air failure.

The AMS 4500 MKIII is basically composed of the following components:

Transceiver:	Containing all of the major electronic and electro-optic components.
Retro-Reflector:	Containing a corner cube reflector.
Air Purge System:	A continuous supply of purge air is essential to prevent dust and corrosive gases from affecting the optical system. Single and dual electric blowers or compressed-air driven devices are available to suit individual site requirements. Automatic fail-safe shutters can also be fitted for temporary protection in the event of a purge air failure

Measurement path length and concentration:

0 – 0,2 Ext. \triangleq 15 mg/m³ dust at 5 m measurement path length

General notes

This certificate is based upon the equipment tested. The manufacturer is responsible for ensuring that on-going production complies with the requirements of the EN 15267. The manufacturer is required to maintain an approved quality management system controlling the manufacture of the certified product. Both the product and the quality management systems shall be subject to regular surveillance.

If a product of the current production does not conform to the certified product, TÜV Rheinland Energy GmbH must be notified at the address given on page 1.

A certification mark with an ID-Number that is specific to the certified product is presented on page 1 of this certificate. This can be applied to the product or used in publicity material for the certified product.

This document as well as the certification mark remains property of TÜV Rheinland Energy GmbH. With revocation of the publication the certificate loses its validity. After the expiration of the certificate and on requests of the TÜV Rheinland Energy GmbH this document shall be returned and the certification mark must not be employed anymore.

The relevant version of this certificate and its expiration is also accessible on the internet: gal1.de.

Certification of 4500 MKIII for dust is based on the documents listed below and the regular, continuous monitoring of the Quality Management System of the manufacturer:

Initial certification according to EN 15267

Certificate No. 0000001014: 19 August 2011
Expiry date of the certificate: 28 July 2016

Test report: 936/21213182/A of 31 March 2011
TÜV Rheinland Energie und Umwelt GmbH, Cologne
Publication: BAnz. 29 July 2011, No. 113, p. 2725, Chapter I No. 1.1
Announcement by UBA from 15 July 2011

Supplementary testing according to EN 15267

Certificate No. 0000001014_01: 16 March 2012
Expiry date of the certificate: 28 July 2016

Test report: 936/21216966/A of 15 September 2011
TÜV Rheinland Energie und Umwelt GmbH, Cologne
Publication: BAnz. 02 March 2012, No. 36, p. 920, chapter I, No. 1.1
Announcement by UBA from 23 February 2012

Certificate No. 0000001014_02: 20 August 2012
Expiry date of the certificate: 28 July 2016

Test report: 936/21217693/A of 21 March 2012
TÜV Rheinland Energie und Umwelt GmbH, Cologne
Publication: BAnz AT 20.07.2012 B11, chapter I, No. 1.3
Announcement by UBA from 06 July 2012

Renewal of the certificate

Certificate No. 0000001014_03: 22 July 2016
Expiry date of the certificate: 28 July 2021

Calculation of overall uncertainty according to EN 14181 and EN 15267-3

Measuring system

Manufacturer	Land Instruments International Ltd.
Name of measuring system	4500 MKIII
Serial number of the candidates	150854 83 / 154891 91
Measuring principle	Transmission

Test report

Test laboratory	936/21213182/A / 936/21213182/B / 936/21217693/A
Date of report	TÜV Rheinland Energie und Umwelt GmbH 31.03.2011 / 15.09.2011 / 21.03.2012

Measured component

Certification range	Dust	0 - 15	mg/m³
---------------------	------	--------	-------

Calculation of the combined standard uncertainty

Tested parameter

		u		u²
Standard deviation from paired measurements under field conditions *	u_D	0,110	mg/m³	0,012 (mg/m³)²
Lack of fit	u_{Lof}	-0,081	mg/m³	0,007 (mg/m³)²
Zero drift from field test	$u_{d,7}$	0,095	mg/m³	0,009 (mg/m³)²
Span drift from field test	$u_{d,s}$	-0,219	mg/m³	0,048 (mg/m³)²
Influence of ambient temperature at span	u_t	0,030	mg/m³	0,001 (mg/m³)²
Influence of supply voltage	u_v	0,023	mg/m³	0,001 (mg/m³)²
Uncertainty of reference material at 70% of certification range	u_{rm}	0,121	mg/m³	0,015 (mg/m³)²
Excursion of measurement beam	u_{mb}	0,173	mg/m³	0,030 (mg/m³)²

* The larger value is used :
"Repeatability standard deviation at span" or
"Standard deviation from paired measurements under field conditions"

Combined standard uncertainty (u_c)

$$u_c = \sqrt{\sum (u_{max, i})^2} \quad 0,35 \text{ mg/m}^3$$

Total expanded uncertainty

$$U = u_c \cdot k = u_c \cdot 1.96 \quad 0,68 \text{ mg/m}^3$$

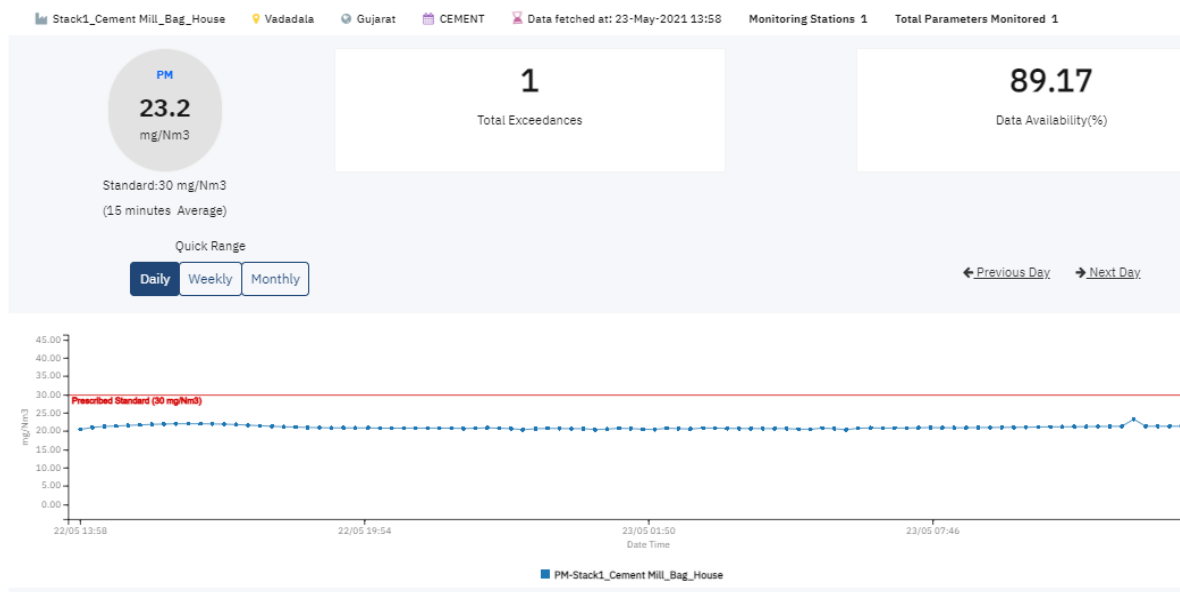
Relative total expanded uncertainty

Requirement of 2000/76/EC and 2001/80/EC
Requirement of EN 15267-3

U in % of the ELV 10 mg/m³	6,8
U in % of the ELV 10 mg/m³	30,0
U in % of the ELV 10 mg/m³	22,5

(A) Online opacity meter reading

J K Cement Limited(ID- 69109)



(B) Online Opacity Meter installation on cement mill stack.





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Ref. No. : 106/12/2020-21

Date : 30/12/2020

AMBIENT AIR QUALITY MONITORING REPORT

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333, Vill.: Vadadala,

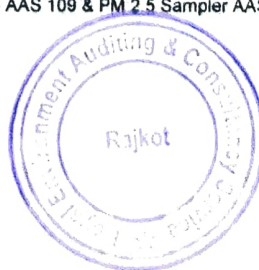
Ta.: Balasinor, Dist.: Mahisagar

Sr. No.	Particulars	Unit	Nr. STP Plant, Eastern Boundary	Nr. Project Office, North Direction	Nr. Sec. Tower, South Direction
01.	Date of sampling	----	22/12/2020	22/12/2020	22/12/2020
02.	Time of sampling	Hr	9.00	9.15	9.25
03.	Duration of Sampling	Min.	1440	1440	1440
04.	Dominant Wind Direction (From)	----	NE	NE	NE
05.	Average Wind Speed	Km/Hr	3 to 15	3 to 15	3 to 15
06.	Average flow rate during sampling	m3/Hour	1.20	1.10	1.10
07.	Average flow rate for Gas sampling	LPM	0.2	0.2	0.2
08.	Permissible Limits of PM 2.5	µg/m ³	60	60	60
09.	Measured Concentration of PM 2.5	µg/m ³	34	36	40
10.	Permissible Limits of PM 10	µg/m ³	100	100	100
11.	Measured Concentration of PM 10	µg/m ³	52	56	60
12.	Permissible Limits of SO ₂	µg/m ³	80	80	80
13.	Measured Concentration of SO ₂	µg/m ³	13.5	14.5	15.3
14.	Permissible Limits of NO ₂	µg/m ³	80	80	80
15.	Measured Concentration of NO ₂	µg/m ³	20.2	22.2	23.5

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127

Calibrate Done on : 17/06/2020

Royal Environment Auditing & Consultancy Service



Vishal
Analyst



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Annexure-3

Ref. No. : 306/03/2020-21

Date : 31/03/2021

AMBIENT AIR QUALITY MONITORING REPORT

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333, Vill.: Vadadala,

Ta.: Balasinor, Dist.: Mahisagar

Sr. No.	Particulars	Unit	Nr. STP Plant, Eastern Boundary	Nr. Project Office, North Direction	Nr. Sec. Tower, South Direction
01.	Date of sampling	---	20/03/2021	20/03/2021	20/03/2021
02.	Time of sampling	Hr	9.25	9.35	10.20
03.	Duration of Sampling	Min.	1440	1440	1440
04.	Dominant Wind Direction (From)	---	NW	NW	NW
05.	Average Wind Speed	Km/Hr	2 to 15	2 to 15	2 to 15
06.	Average flow rate during sampling	m3/Hour	1.10	1.20	1.20
07.	Average flow rate for Gas sampling	LPM	0.2	0.2	0.2
08.	Permissible Limits of PM 2.5	µg/m ³	60	60	60
09.	Measured Concentration of PM 2.5	µg/m ³	32	34	38
10.	Permissible Limits of PM 10	µg/m ³	100	100	100
11.	Measured Concentration of PM 10	µg/m ³	50	54	58
12.	Permissible Limits of SO ₂	µg/m ³	80	80	80
13.	Measured Concentration of SO ₂	µg/m ³	15.3	16.3	13.5
14.	Permissible Limits of NO ₂	µg/m ³	80	80	80
15.	Measured Concentration of NO ₂	µg/m ³	22.3	21.1	25.3

Instrument used : 1) Ecotech RDS, Model No. AAS - 217BL, Gaseouse Sampling Kit- AAS 109 & PM 2.5 Sampler AAS 127

Calibrate Done on : 17/06/2020

Royal Environment Auditing & Consultancy Service



Vishal
Analyst

J.K. Cement WORKS, BALASINOR (G.J.)						
AMBIENT AIR QUALITY AVERAGE SPM RESULTS						
(ALL VALUES IN MICROGRAMS / CUBIC METER)						
HALF YEARLY REPORT (October 20-March 21)						
S.No.	Location	Month	Parameters			
			PM10	PM2.5	SO2	NOx
1	NEAR STP PLANT BOUNDARY TOWARDS EAST DIRECTION	Oct-20	54.11	33.52	10.40	20.54
2		Nov-20	55.66	35.48	15.24	21.83
3		Dec-20	53.96	38.26	15.07	21.04
4		Jan-21	50.50	31.53	10.26	20.55
5		Feb-21	49.26	38.05	13.22	22.66
6		Mar-21	53.60	37.41	13.48	22.14
Half Yearly Average			52.85	35.71	12.94	21.46
1	NEAR PROJECT OFFICE PLANT BOUNDARY TOWARDS NORTH DIRECTION	Oct-20	56.27	40.68	10.90	21.03
2		Nov-20	56.00	32.96	12.91	21.19
3		Dec-20	52.41	35.82	14.43	21.22
4		Jan-21	50.20	34.30	11.08	21.80
5		Feb-21	56.84	35.15	10.93	21.54
6		Mar-21	52.75	35.72	12.19	21.35
Half Yearly Average			54.08	35.77	12.07	21.35
1	NEAR SECURITY TOWER PLANT BOUNDARY TOWARDS SOUTH DIRECTION	Oct-20	54.47	38.28	14.10	21.10
2		Nov-20	57.75	36.70	15.08	21.45
3		Dec-20	56.80	35.85	14.44	22.19
4		Jan-21	50.16	35.80	11.70	20.89
5		Feb-21	45.26	36.70	14.41	22.72
6		Mar-21	56.62	35.74	11.62	22.00
Half Yearly Average			53.51	36.51	13.56	21.72

Shikhar Singh
Monitored By

Naresh Meghwal
Reviewed by



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Annexure-4

Ref. No.:108/12/2020-21

Date : 30/12/2020

REPORT OF FUGITIVE EMISSION ANALYSIS

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333,

Vill.: Vadadala,

Ta.: Balasinor, Dist.: Mahisagar

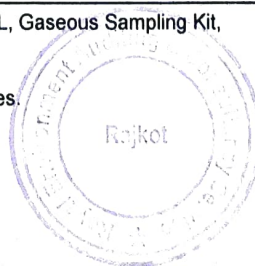
Test Method : As per IS Standards - 5182_23/4/6

Sr. No.	Particulars	Unit	Location No. 1	Location No. 2
01.	Location of Sampling	---	NEAR UNLOADING AREA	NEAR CEMENT MILL
02.	Date of sampling	---	21/12/2020	21/12/2020
03.	Time of sampling	Hr	11.10	11.25
04.	Duration of Sampling	Min.	480	480
05.	Dominant Wind Direction (From)	---	NE	NE
06.	Average Wind Speed	Km/Hr	2 to 12	3 to 13
07.	Flow rate during sampling	m3/Hr	1.0	1.0
08.	Average flow rate for Gas sampling	LPM	0.2	0.2
09.	Permissible Limits of SPM *	$\mu\text{g}/\text{m}^3$	5000	5000
10.	Measured Concentration of SPM	$\mu\text{g}/\text{m}^3$	1335	1820

Instrument used : Envirotech make (HVS), Model No. APM-430BL, Gaseous Sampling Kit,

Calibration done on : 17/06/2020

* Permissible limits of fugitive emission based on CPCB Guidelines.



Royal Environment Auditing & Consultancy Service

Vishal
Analyst



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Annexure-4

Ref. No.:109/12/2020-21

Date : 30/12/2020

REPORT OF FUGITIVE EMISSION ANALYSIS

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333,

Vill.: Vadadala,

Ta.: Balasinor, Dist.: Mahisagar

Test Method : As per IS Standards - 5182_23/4/6

Sr. No.	Particulars	Unit	Location No. 3	Location No. 4
01.	Location of Sampling	---	NEAR FLYASH SILO	NEAR PACKING AREA
02.	Date of sampling	---	21/12/2020	21/12/2020
03.	Time of sampling	Hr	11.40	11.40
04.	Duration of Sampling	Min.	480	480
05.	Dominant Wind Direction (From)	---	NE	NE
06.	Average Wind Speed	Km/Hr	1 to 15	1 to 15
07.	Flow rate during sampling	m ³ /Hr	1.0	1.0
08.	Average flow rate for Gas sampling	LPM	0.2	0.2
09.	Permissible Limits of SPM *	µg/m ³	5000	5000
10.	Measured Concentration of SPM	µg/m ³	1120	2235

Instrument used : Envirotech make (HVS), Model No. APM-430BL, Gaseous Sampling Kit,
Calibration done on : 17/06/2020

* Permissible limits of fugitive emission based on CPCB Guidelines.

Royal Environment Auditing & Consultancy Service

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Analyst



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Annexure-4

Ref. No.:308/03/2020-21

Date : 31/03/2021

REPORT OF FUGITIVE EMISSION ANALYSIS

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333,

Vill.: Vadadala,

Ta.: Balasinor, Dist.: Mahisagar

Test Method : As per IS Standards - 5182_23/4/6

Sr. No.	Particulars	Unit	Location No. 1	Location No. 2
01.	Location of Sampling	---	NEAR UNLOADING AREA	NEAR CEMENT MILL
02.	Date of sampling	---	20/03/2021	20/03/2021
03.	Time of sampling	Hr	11.00	11.15
04.	Duration of Sampling	Min.	480	480
05.	Dominant Wind Direction (From)	---	NW	NW
06.	Average Wind Speed	Km/Hr	1 to 12	4 to 13
07.	Flow rate during sampling	m3/Hr	1.0	1.0
08.	Average flow rate for Gas sampling	LPM	0.2	0.2
09.	Permissible Limits of SPM *	$\mu\text{g}/\text{m}^3$	5000	5000
10.	Measured Concentration of SPM	$\mu\text{g}/\text{m}^3$	1353	1735

Instrument used : Envirotech make (HVS), Model No. APM-430BL, Gaseous Sampling Kit,
Calibration done on : 17/06/2020

* Permissible limits of fugitive emission based on CPCB Guidelines.

Royal Environment Auditing & Consultancy Service

Vishal
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Annexure-4

Ref. No.:309/03/2020-21

Date : 31/03/2021

REPORT OF FUGITIVE EMISSION ANALYSIS

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333,

Vill.: Vadadala,

Ta.: Balasinor, Dist.: Mahisagar

Test Method : As per IS Standards - 5182_23/4/6

Sr. No.	Particulars	Unit	Location No. 3	Location No. 4
01.	Location of Sampling	---	NEAR FLYASH SILO	NEAR PACKING AREA
02.	Date of sampling	---	20/03/2021	20/03/2021
03.	Time of sampling	Hr	11.30	10.20
04.	Duration of Sampling	Min.	480	480
05.	Dominant Wind Direction (From)	---	NW	NW
06.	Average Wind Speed	Km/Hr	2 to 15	2 to 15
07.	Flow rate during sampling	m3/Hr	1.0	1.0
08.	Average flow rate for Gas sampling	LPM	0.2	0.2
09.	Permissible Limits of SPM *	$\mu\text{g}/\text{m}^3$	5000	5000
10.	Measured Concentration of SPM	$\mu\text{g}/\text{m}^3$	1138	2258

Instrument used : Envirotech make (HVS), Model No. APM-430BL, Gaseous Sampling Kit,

Calibration done on : 17/06/2020

* Permissible limits of fugitive emission based on CPCB Guidelines.

Royal Environment Auditing & Consultancy Service

Analyst

J.K. Cement Works, Balasinor					
Fugitive Emission Monitoring Report					
October '2020 - March '2021					
S.No.	Month/Year	SPM (mg/m3)			
		NEAR UNLOADING AREA	NEAR CEMENT MILL	NEAR FLYASH SILO	NEAR PACKING AREA
1	Oct-20	1.57	1.67	1.49	0.87
2	Nov-20	1.46	1.65	1.73	0.92
3	Dec-20	1.33	1.39	1.39	0.92
4	Jan-21	1.44	1.53	1.46	0.92
5	Feb-21	1.41	1.49	1.47	0.91
6	Mar-21	1.37	1.39	1.39	0.83
Average		1.43	1.52	1.49	0.90


 Shikhar Singh
 Monitored By


 Naresh Meghwal
 Reviewed by

JK CEMENT WORKS, BALASINOR

LIST OF APCM (Bag Filters & Stack)Date: 01.05.2021

<u>S.No</u>	<u>Area</u>	<u>Sub Area</u>	<u>Tag Name</u>	<u>BF Capacity (M3/hr)</u>
1	RAW MATERIAL HANDLING	Truck Tippler	471BF100	35000
		Elevator	471BF200	7500
		Tunnel	481BF100	8000
		Silo Top	471BF300	15000
		Tunnel	481BF200	8000
2	FLYASH UNLOADING AND SILO	Silo Top	241BF100	10000
		Flyash bin	241BF200	5000
3	CEMENT SILO	Cement Steel Bin	611BF200	5000
		Cement Silo Top	611BF100	7500
		Steel Silo Top	612BF100	6000
4	PACKING PLANT	Packer Cone	641BF100	31000
		Elevator / Packer Bin	641BF200	15000
5	FLYASH HANDLING	Bin Venting	246BF350	7000
6	CEMENT MILL FEED	W/F Venting	511BF630	22680
		Misc Ventings	511BF050	15000
7	CEMENT MILL	Elevator / Feed Belt	531BF030	8500
		Reject Circuit Venting	531BF230	14000
		Product Elevator / Airslide	531BF650	4500
8		Bag House	531BF500	228240
TOTAL BAG FILTERS			19 Nos	

Compliance of Corporate Responsibility for Environmental Protection (CREP)

S. No.	Corporate Responsibility for Environmental Protection (CREP)	Compliance of CREP
1.	Cement Plant which are not complying with notified standards: - •Augmentation of existing Air Pollution Control Devices - by July 2003. •Replacement of existing Air Pollution Control Devices - by July 2004.	J.K. Cement Works, Balasinor is complying with notified standard. <ul style="list-style-type: none"> The Grinding Unit has installed high efficiency Bag House and Bag Filter to maintain stack emission from various sources below prescribed limit. Interlocking facility has been provided, so that in the event of failure of any pollution control equipment adopted by the unit, the unit shall be immediately put out of operation and the respective unit is shut down automatically.
2.	Cement plant located in critically polluted or urban areas (including 5Km distance outside urban boundary) will meet 100 mg/Nm ³ limit of particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/ Nm ³ .	Plant is neither located in critically polluted area nor in urban area, hence, this limit is not applicable, However, the company is complying emission standard of particulate matter less than 30 mg/ Nm ³
3.	The new cement kilns to be accorded NOC/Environmental Clearance w.e.f. 01.04.2003 will meet the limit of 50 mg/ Nm ³ for particulate matter emissions.	Not Applicable as the plant is a Clinker Grinding Unit.
4.	CPCB will evolve load based standards by December 2003.	Latest equipment has been installed to comply load based standard prescribed by CPCB.
5.	CPCB and NCBM will evolve SO ₂ and NO _x emission standard by June 2004.	All applicable emission standards are being complied by the 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	Closed storage/ Silos for Clinker, Fly Ash, Gypsum and Cement have been provided. All conveyors belts are covered to avoid wind blowing of fines. All material transfer points are fully enclosed and equipped with dust extraction systems. Floors in the plant and at main gate truck

	Task Force (NTF). The NTF shall submit its recommendation within three months.	parking area are concreted to mitigate fugitive dust generation. Regular sweeping of cemented roads and floors through vacuum sweeping machines is being done.
7.	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum coke as fuel in cement kiln by July 2003.	Not Applicable
8.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plans shall be implemented.	Complied with. Compliance status is give as below: 1. PM emission level of cement mill bag house is <30 mg/Nm ³ 2. All raw materials are stored in closed storage silos and shed. 3. All movement area is cemented 4. Daily cleaning is done by vacuum sweeping machine. 5. All unloading hoppers are covered and provided with bag dust collectors. 6. Bag dust collectors have been provided at all material transfer points. 7. All conveyor belts are covered
9.	After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufacturers, 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.	The Unit has already installed Online continuous emission monitoring system and also connected with SPCB/CPCB server. Results of OCEMS are being uploading on SPCB/CPCB server on regular basis.
10.	Trappings in kiln ESP to be minimized by July 2003 as per the recommendation of NTF. Recommendations of NTF are as under: a) Pre –blending system for coal should be adopted to get uniform coal quality. b) Installation of state of art distributed control logic system, which reduces the calciner firing, step by step, as CO concentration increases. c) Proper records should be kept of the number of ESP tripping with duration of its non-functioning (such record should preferably be automatic) d) ESP availability should be enhanced to more than 98%.	Not Applicable as the plant is a Clinker Grinding Unit.

11.	Industries will submit the target date to enhance the utilization of waste material by April 2003.	<p>The unit is utilizing fly-ash as per BIS norms to make Cement. Generated domestic waste from STP is being sold to farmers to use as manure. Used oil in plant is being sold to authorized recycler.</p> <ul style="list-style-type: none"> • Sewage Treatment Plant is already installed in the plant. • Waste collection bins are placed at various location in plant area. • Generated all municipal waste is being disposed off with the help of local municipality.
12.	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.	Not Applicable as the plant is a Clinker Grinding Unit.
13.	Cement industries will carry out feasibility study and submit target dates to CPCB for co- generation of power by July 2003.	Not Applicable as the plant is a Clinker Grinding Unit.

A statement showing issues raised by the participants and responses by the representative of the applicant during the public hearing

of **M/s. J.K. CEMENT LIMITED**, for Setting up of Grinding unit for Manufacturing Plant of 'Pozzolana Portland Cement (PPC)' Total Quantity -1 MMTPA, at Survey No. 1342/3, 1327, 1336, 1328, 1333, 1334, Vill: Vadadala, Ta: Balasinor, Dist: Mahisagar.

After the presentation by the project proponent, Regional Officer, GPCB, Godhara stated to the people present to represent their representations/suggestions/opinion and added that, people present here can also give their written representation to the Chairman and then with the due permission of Chairman of Public Hearing and opened the forum for representations/ Suggestions/ objections from the locally affected people.

The statement showing issues/suggestions/objections/opinion raised by participants during the Public hearing and responded to by representative of the project proponent during the public hearing is as under...

Sr.No.	Name & Address	Point Represented and/or written submission	Replies by Concerned Project Proponent
1	Shree Kirtibhai Parmar, Village : Kunjara, Ta : Balasinor, Dist. : Mahisagar	<ul style="list-style-type: none"> He represented stating that advertisement of the said public hearing has not been carried out sufficiently. As most of the local people of this region are illiterate, they are not able to attend this hearing. 	<ul style="list-style-type: none"> Regional Officer, GPCB replied that the executive summary of the said unit has been given to Sanrpanchshri /Talati of 27 Gram Panchayat of study area. Moreover advertisement was published in two local Gujarati newspapers and one English newspaper one month prior to the hearing.
2.	Shri Kiritsinh Jhala, Village : Kunjara, Ta : Balasinor, Dist. : Mahisagar	<ul style="list-style-type: none"> He represented that who is responsible for distribution of executive summary which you have given in 27 Gram Panchayat? State whether GPCB or the Company. How will company utilize its CSR, in how many times and from when will it utilize 	<ul style="list-style-type: none"> Regional Officer, GPCB replied that copies of executive summary have been given to all the Panchayat as per the procedure. Company's representative showed the power point presentation of

Sr.No.	Name & Address	Point Represented and/or written submission	Replies by Concerned Project Proponent
		<p>the same and what are its criteria?</p> <ul style="list-style-type: none"> I am participating in CSR activity of many companies and company didn't spend its CSR fund out of the company premises. Whether you give assurance regarding the utilization of the CSR fund as per its criteria? If any project has obtained EC then within how many time appeal is to be filled in the National Green Tribunal? 	<p>the CSR details for 5 years which was shown earlier and provided its detail.</p> <ul style="list-style-type: none"> Company will utilize 1.5% that is 309 lakh rupees of total cost of the project that is 20579 lakh rupees as CER. Company will use 2% of the average profit of 3 year's profit of the company for CSR. It is wrong that company doesn't utilize its CSR fund because we have to send report of CSR and CER spent during 6 month at end of every 6 month to the ministry. And audit of the same are carried out at regular interval. This fund is utilized as per the rules and regulations of the ministry and according to the order of the Collector and the same is uploaded on the web-site also. Regional officer stated that, this issue may be represented separately in other forum and the reply of the same will be provided to you.

Sr.No.	Name & Address	Point Represented and/or written submission	Replies by Concerned Project Proponent
		<ul style="list-style-type: none"> How much far away should be human habitant from this company? 	<ul style="list-style-type: none"> This proposed unit is 2 km away from the human habitants of the Vadala Village.
3.	Shri Anilsinh Vanrajsinh Thakor, Representative of Sarpanch, Village : Vadadala, Ta : Balasinor, Dist. : Mahisagar	<ul style="list-style-type: none"> He represented that we have received the notice of public hearing and we have informed the villagers. We are happy for upcoming J.K. Cement Company. We welcome this company. We have no oppose for the company, this company will provide us employment. But permission should not be granted to Morya Enviro Company located at Jamiyatpura because it harms the environment as well the people. We are against the permission given by GPCB to Morya Enviro and we are not against J.K. Cement Company. 	<ul style="list-style-type: none"> Company representative welcomed his suggestion about their project.

Sr.No.	Name & Address	Point Represented and/or written submission	Replies by Concerned Project Proponent
4.	Shri Patel Pankajkumar Village : Jamyetpura Ta : Balasinor, Dist. : Mahisagar	<ul style="list-style-type: none"> • He represented that the public hearing has not been advertised properly. The people present here are staff of the company. They are not villagers. Sarpanch and Talati have been informed but villagers are not informed about the public hearing. Whether permission can be granted if 90% people oppose the company. • We are not against this company. We are against Morya Enviro company. • How many kilometers of distance from heritage site can be allowed to set up a plant? • What is the distance between the said company and Dinosaur Fossil Park? • Whether the minutes of this public hearing will be 	<ul style="list-style-type: none"> • Regional Officer, GPCB informed that information regarding publicity of this public hearing has been given earlier. Your all other questions have been noted which will be forwarded to the concerned authority by the Chair person and Member Secretary, GPCB for the decision; this panel is not authorized to take any decision. • This complaint can be submitted separately to the GPCB which will be replied. If you are not satisfied with any decision, you can appeal as well. • Your question has been noted as part of minutes which be forwarded to expert committee of State Environment Impact Authority. They will decide for the same. • The areal distance between the said company and Dinosaur Fossil Park is 12.5 Kms.

Sr.No.	Name & Address	Point Represented and/or written submission	Replies by Concerned Project Proponent
		<p>forwarded to the upper level panel for EC?</p> <ul style="list-style-type: none"> We have some issues regarding M/s. Maurya Enviro Company. So it is request to be noted. M/s Maurya Enviro Company which is Poisonous dumping site is within 0.5 km from Dinosaur fossil site. That company is carrying out different activity then the activity mentioned in presentation. 6 foot digging has been carried out and water is available at 5 foot which is taken out through 4 motor. In future they will dig for 20 foot and it RCC construction will be carried out on its bottom and then plastic will be spread on it and then after waste will be filled which will affect the nearby areas. 	<ul style="list-style-type: none"> Regional officer replied that, this minute will be forwarded to the competent authority for EC with approval of Collector and through Member Secretary, GPCB and the same will be uploaded on the GPCB web-site and will be provided to you if you need. Regional Officer stated that, this is not proper forum you can represent the same separately in the proper forum to GPCB. As instructed by the Chairman, it was informed that if you want to represent it here then represent the same in brief. <p style="text-align: center;">----</p>

Sr.No.	Name & Address	Point Represented and/or written submission	Replies by Concerned Project Proponent
		<ul style="list-style-type: none"> Whether the Gram Committee has authority to enter within the company for inspection? It is my request that proper decision regarding the same to be taken. Maurya Company carries out the blasting process due to which farmers of the nearby areas are not able to enter their farm. So it is our request to the chairman to invite the Gram committee when he comes to the company for the inspection. 	<ul style="list-style-type: none"> Chairman stated that, there is no such provision in the law. Regional Officer stated that, your representations are noted and accordingly inspection of the company will be carried out and report will be prepared and the same can be provided to you as per rules.
5.	Shri Vasantbhai Badoli Gram Panchayat, Representative of Sarpanchshri Village : Balasinor, Dist. : Mahisagar	<ul style="list-style-type: none"> He represented that he welcomes the company. We require this company. Locals will get employment by the upcoming company. What should be the distance of Morya Enviro company from the heritage site? 	<ul style="list-style-type: none"> Company representative welcomed his suggestion. Chairperson stated that decision for the same will be taken by the committee
6.	Shri Subhashbhai Patel, Village : Balasinor, Dist. : Mahisagar	<ul style="list-style-type: none"> He represented that his land is adjacent to the company. I feel that I will be benefited by the upcoming company, value of my land will be increased and people will 	<ul style="list-style-type: none"> Company representative welcomed his suggestion.

Sr.No.	Name & Address	Point Represented and/or written submission	Replies by Concerned Project Proponent
		get employment, so we welcome J.K. Cement Company.	
7.	Shri Dipenbhai Patel, Village : Vadadala, Ta : Balasinor, Dist. : Mahisagar	<ul style="list-style-type: none"> • He represented that we are happy that J.K. Cement Company is going to be established here, but how many people will get company and what is the guarantee? • Whether this company will generate huge pollution? 	<ul style="list-style-type: none"> • Company representative replied that 500 workers will be required during construction phase and 210 to 250 skilled and semi-skilled workers will be required during the operational phase and the company ensures that priority for employment will be given to the locals based on their qualification and skills. • The company is Zero Liquid Discharge plant. No wastewater will be discharged by the company. Dust generated in the company is beneficial for the company, so every tiny particle will be taken care of. No noise and solid waste will be generated. Only used oil will be generated which will be sent to the registered refiners.
8.	Shri Rajeshbhai Ramanbhai Thakor,	<ul style="list-style-type: none"> • He represented that we are happy that J.K. Cement 	<ul style="list-style-type: none"> • Company representative

Sr.No.	Name & Address	Point Represented and/or written submission	Replies by Concerned Project Proponent
	Village : Handiya, Ta : Balasinor, Dist. : Mahisagar	<p>Company is going to be established here. Villagers of surrounding villages will get employment. The company guarantees that it will not generate any pollution. So we welcome the company.</p> <ul style="list-style-type: none"> We are against Morya Enviro Company. 	welcomed his representation.
9.	Shri Rameshbhai Pratapbhai Parmar, Vice President of Taluka Panchayat, Village : Vadadala, Ta : Balasinor, Dist. : Mahisagar	<ul style="list-style-type: none"> He represented that we are happy that J.K. Cement Company is going to be established in Vadadala and we have no objection against the company. But we are against Morya Enviro Company located at Jamiyatpura. Land of our village have been acquitted in this company, so I hope that people of our village will get employment in this company. 	<ul style="list-style-type: none"> Company representative welcomed his representation about their project.
10.	Shri Balubhai Sodhar, Sarpanchshri Mal Itadi Gram Panchayat	<ul style="list-style-type: none"> He represented that GPCB has granted permission to the company located at Jamiyatpura which will generate massive pollution. Our village is very adversely affected. We request the Chairperson that GPCB should keep in mind the public interest and take the decision accordingly. I welcome J.K. Cement Company. So I hope that people of our village and surrounding villages will get employment. 	<ul style="list-style-type: none"> Company representative welcomed his representation about their project.

Sr.No.	Name & Address	Point Represented and/or written submission	Replies by Concerned Project Proponent
11.	Shri Adam M. Shaikh Village : Balasinor, Dist. : Mahisagar	<ul style="list-style-type: none"> He represented that he is happy that J.K. Cement Company is going to be established here. 	<ul style="list-style-type: none"> Company representative welcomed his representation.
12.	Shri Salimkhan, Sarpanchshri, Village : Vadadala, Ta : Balasinor, Dist. : Mahisagar	<ul style="list-style-type: none"> He represented that our village will be developed due to establishing of this company. Locals will get employment in this company, so future of the locals will be bright. I am grateful to the company which going to be established herewith. 	<ul style="list-style-type: none"> Company representative welcomed his representation.
13.	Shri Nawab Salauddin Babi Village : Balasinor, Dist. : Mahisagar	<ul style="list-style-type: none"> He represented that J.K. Cement is a renowned company. The company intends to establish a plant here. People demands employment from the company because they need it desperately. So that they should be given priority in the employment. Locals should be given employment as skilled and semi-skilled workers by consulting the local sarpanchs. There is no such big company in Balasinor. I request that the company guarantees priority for the employment to the locals. I hope that the company will keep check on pollution. We welcome the company. We all are against M/s Morya Enviro Co. located at Jamiyatpur and comprehensive probe should be carried out for 	<ul style="list-style-type: none"> Company representative replied that company will give priority for employment to the locals as per their skill whenever required, which is the policy of the company. And I assure that you will be pleased by the development of this region.

Sr.No.	Name & Address	Point Represented and/or written submission	Replies by Concerned Project Proponent
		the same and the same should be resolved.	
14.	Shri Ankit Patel, Managing Trustee, Sahajanand School, Village : Vadadala, Ta : Balasinor, Dist. : Mahisagar	<ul style="list-style-type: none"> He represented that this company is going to be established near our school. When we come to know about the establishment of this company, we were confused about what kind of company is going to be established and we consulted the consultants for the impact of the company on our school and according we visited the plant of this company located at Zarali, Hariyana before four days at different timings and we stayed there for 7-8 hours. The plants was ultramodern, we have not observed any dust and noise pollution. Greenbelt was also developed properly. I advise that other companies should also follow the same practice. Modern technology will be used by J.K. Cement Company in the upcoming plant than the plant at Zarali, Hariyana. So now we are not worried about our school children and we have got answers to our other questions also. So we have no objection against this company. We welcome this company. 	<ul style="list-style-type: none"> Company representative welcomed his representation and stated that the said plant by the company will be the modern plant of the year 2018.
15.	Shri Bhupatsinh Dahyabhai Parmar	<ul style="list-style-type: none"> He represented that he welcomes J.K. Cement 	<ul style="list-style-type: none"> Company representative

Sr.No.	Name & Address	Point Represented and/or written submission	Replies by Concerned Project Proponent
	Village : Vanghroli, Ta : Balasinor, Dist. : Mahisagar	Company. But the company will provide how many percentage of employment?	replied that 500 workers will be required during construction phase and 210 to 250 skilled and semi-skilled workers will be required during the operational phase and the company ensures that priority for employment will be given to the locals based on their qualification and skills.
16.	Shri V.D. Parmar, Village : Vadadala, Ta : Balasinor, Dist. : Mahisag	<ul style="list-style-type: none"> • He represented to consider the opposition against M/s Morya Enviro Company. • Every coin has two sides. The said company will provide employment which is welcome. But this kind of company emits dust which causes diseases like silicosis. We request the company to avoid adverse effect on human or animal. 	<p>-----</p> <ul style="list-style-type: none"> • Company representative replied the presenter showing the photographs of Hariyana plant that that plant is of 2 million ton and the upcoming plant is of 1 million ton. However, there is no pollution in Hariyana Plant. The upcoming plant is of modern technology which will be supplied by F.S.L. company of Denmark. Bag Filter House will be provided to prevent air pollution. So that level of air pollution will be within the limit

Sr.No.	Name & Address	Point Represented and/or written submission	Replies by Concerned Project Proponent
			prescribed by GPCB. Air Pollution Equipment will be provided on transfer points and conveyor belt. This plant will be of closed system.

Shri S.M.Vaijanapurkar, Regional officer, Gujarat Pollution Control Board. Godhra and Representative of Member Secretary GPCB, Gandhinagar summarized the representation represented during the public hearing and further informed that all representations will be covered in the proceeding.

The Public Hearing was concluded with thanks to the chair.

**Place: Vadadala,
Ta: Balasinor
Dist.: Mahisagar
Date: 20/12/2018**

**(S. M. Vaijanapurkar)
Regional Officer,
GPCB, Godhra,
as Representative of the
Member Secretary,
GPCB, Gandhinagar**

**(V. A. Vaghela IAS)
Collector and
District Magistrate,
Mahisagar**



NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:		M/S J.K. Cement Works								
Project Address:		Survey No.1342/3,1327 ,1336,1328,1334,Village : Vadadala, Taluka: Balasinor District :Mahisagar, Gujarat								
Village:		Vadadala		Block:		Balasinor				
District:		Mahisagar		State:		Gujarat				
Pin Code:										
Communication Address:		Kailash Nagar-I ,J.K Cement Works,nimbahera,, District: Chittorgarh , Rajasthan , Pin312617, Nimbahera, Chittorgarh, Rajasthan - 312617								
Address of CGWB Regional Office :		Central Ground Water Board West Central Region, Swami Narayan College, Building, Shah Alam Tolnaka, Surendranagar, Gujarat - 380022								
1.	NOC No.:	CGWA/NOC/IND/ORIG/2019/5430								
2.	Application No.:	21-4/3637/GJ/IND/2018		3.	Category:	Industry				
4.	Project Status:	New Project		5.	NOC Type:	New				
6.	Valid from:	28/05/2019		7.	Valid up to:	27/05/2021				
8.	Ground Water Abstraction Permitted:									
Fresh Water		Saline Water		Dewatering		Total				
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year			
300.00	100050.00					300.00	100050.00			
9.	Details of Ground Water Abstraction /Dewatering Structures									
Total Existing No.:0						Total Proposed No.:3				
	DW	DCB	BW	TW	MP	DW	DCB	BW	TW	MP
Abstraction Structure*	0	0	0	0	0	0	0	3	0	0
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit										
10.	Quantum of Ground Water Recharge(m ³ /year):		35300.00							
11.	Number of Piezometers (Observation wells) to be constructed/ monitored & Monitoring mechanism.				No. of Piezometers		Monitoring Mechanism			
						Manual	DWLR**	DWLR With Telemetry		
**DWLR - Digital Water Level Recorder				1		0	1	0		

(Compliance Conditions given overleaf)

Digitally signed by
NANDAKUMARAN P
Date: 2019.06.17 16:33:44 +05'30'

Member (CGWA)

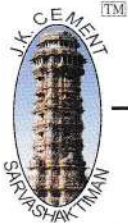
18/11, Jamnagar House, Mansingh Road, New Delhi-110011
Phone: (011) 23383561 Fax: 23382051, 23386743
Website: cgwa-noc.gov.in

स्वच्छ सुरक्षित जल – खुशहाल कल
CONSERVE WATER - SAVE LIFE

Validity of this NOC shall be subject to compliance of the following mandatory conditions:

- 1) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 2) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 3) All new as well as existing ground water abstraction/ de-watering structures shall be fitted with digital water flow meters by the firm at its own cost immediately on completion of their construction or grant of NOC as the case may be. In case of renewal of NOCs, all existing ground water abstraction structures shall continue to be fitted with digital water flow meters. Intimation of installation of flow meters shall be sent by the proponent to the Regional Director of CGWB within 6 months of grant of NOC. Daily ground water abstraction data shall be monitored / continue to be monitored (in case of renewal) by the firm and recorded in a log book. Details of month-wise ground water abstraction shall be submitted to the Regional Director, CGWB, once every year.
- 4) In case the ground water abstraction is more than 10 m³/d, monthly water level monitoring data shall be maintained and submitted annually to the Regional Office of CGWB. Wherever groundwater withdrawal is more than 500 m³/d, the firm shall install telemetry system in one of the piezometers and share USER ID and password of the telemetry system with the Regional Director, CGWB.
- 5) In case ground water abstraction is more than 10 m³/d, ground water quality shall be monitored once in a year (during pre- monsoon period) and the report submitted to the Regional Office, CGWB. Wherever the extraction is less than 10 m³/day, ground water quality report shall be submitted by the proponent at the time of submission of self-compliance report.
- 6) Ground water augmentation measures, as stipulated in the NOC, shall be implemented (in new cases) / continue to be maintained (in case of renewal) in consultation with the concerned Regional Director, CGWB.
- 7) Proof of recharge/water harvesting structures constructed (photographs of structures) shall be submitted to the concerned Regional Director, CGWB within 6 months from the date of issue of NOC. The firm shall also undertake periodic maintenance of recharge structures at its own cost.
- 8) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 9) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 10) The firm shall optimize water use through recycling/ reuse of waste water after proper treatment.
- 11) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 12) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 13) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 14) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
- 15) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.
- 16) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 17) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 18) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 19) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)



JK Cement LTD.

CIN : L17229UP1994PLC017199

ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018 | ISO 50001:2011 CERTIFIED COMPANY

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 E-mail : jkc.nbh@jkcement.com
 Web : www.jkcement.com

J.K. Cement Works
 Kailash Nagar - 312617, Nimbahera
 Distt. Chittorgarh (Raj.) INDIA

JKCW/ENV/Balasinor/

Date: 01.03.2021

To,
 The Regional Director,
 Central Ground Water Board, West Central Region
 Swami Narayan Collage Building,
 Shah Alam Toll Naka, Surendra Nagar
 Ahmedabad, Gujarat - 380022

Sub: Submission of online renewal application for ground water abstraction (95 m3/day) by J.K. Cement Works, Village: Vadadala, Taluka: Balasinor, Dist. Mahisagar, Gujarat.

(Online Application Number: 21-4/3637/GJ/IND/2018)

Ref: NOC letter no. CGWA/NOC/IND/ORIG/2019/5430 dated 28/05/2019.

Dear Sir,

Kindly refer to the above subject matter. The existing NOC was granted vide above refer letter for 300 m3/day. Initially as per the plant designer, water requirement was suggested 300 KLD. Now, with existing operating conditions, water requirement will be 95 KLD.

Hence, renewal application is being submitted for ground water NOC of 95 m3/day.

Accordingly, we are enclosing herewith the following documents:

- Online application with relevant documents.
- Renewal fee receipt of Rs. 5000/- through Bharat Kosh.
- Non availability certificate of water from gram panchayat.
- Affidavit as per rule.
- Water audit report.

In view of above, kindly renew the NOC for 95 m3/day.

Thanking You.

Yours faithfully

J. K. Cement Works,

(S. K. Rathore)

President

Copy: The Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Man Singh Road, New Delhi - 110011.

Corporate & Registered Office : Kamla Tower, Kanpur-208001, (U. P.) INDIA
Phone : +91-512-2371478 to 81 **Fax :** 2399854 **E-mail :** ho.grey@jkcement.com



J. K. Cement Works, Nimbahera
 J. K. Cement Works Mangrol
 J. K. Cement Works, Gotan
 J. K. Cement Works, Jharli

J. K. Power, Bamania
 J. K. Cement Works, Muddapur
 J. K. White Cement Works, Gotan
 J. K. White, Katni





Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2360695 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Annexure-9

TEST REPORT (WASTE WATER)

Test Report No : 105/12/2020-21

Date : 30/12/2020

Work Order No : 4600069601

Job Card No. : JK/2020-21/12

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333, Vill.: Vadadala,

Ta.: Balasinor, Dist.: Mahisagar

Attention : Shri. Naresh Meghwal

Date of Sample Receipt : 08/12/2020

Date & Time of Sampling : 07/12/2020 at 10.00 Hrs.

Lab ID : WW/20-21/12/21

Date of Testing : 08th to 11th December 2020

Sample Type : Waste Water

Description of Sample Packing : Plastic Carbo

Type of Sampling : Grab

Quantity of Sample : 1 Ltr.

Description : Sewage Water

Sample Collected by : Royal Environment

Sampling Method : IS 3025 : Part 1

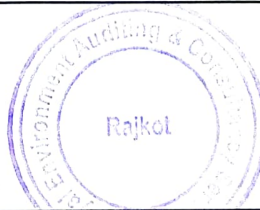
Conditioning of Sample(if any): NIL

Location of Sample : STP Plant - Treated Sewage Water

Sr. No.	Parameters	Unit	Permissible Limits as per GPCB*	Results	Test Method
01.	pH	---	6.5-9.0	8.5	IS 3025 : Part 11
02.	Total Suspended Solids	mg/l	Less than 100	12	IS 3025 : Part 17
03.	BOD (3 days at 27 c)	mg/l	30.0	16	IS 3025 : Part 44
04.	Fecal Coliform (FC)	MPN/100ml	Less than 1000	32	APHA

* Permissible Limits are as per GPCB CC&A

Authorized Signatory



Tested by

* End of Report *

1. This test report shall not be reproduced except in full, without written approval from the Royal Environment Auditing & Consultancy Service
2. The results relate only to the item tested.

Doc. No. F/7.8/03, Issue No. 02, Issue Date : 01-10-18 , Ammd No.-- , Ammd Date : --

Page 1 of 1



Royal

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Ph.: +91 281 2360695 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Annexure-9

TEST REPORT (WASTE WATER)

Test Report No : 114/03/2020-21

Date : 31/03/2021

Work Order No : 4600069601

Job Card No. : JK/2020-21/03

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333, Vill.: Vadadala,

Ta.: Balasinor, Dist.: Mahisagar

Attention : Shri. Naresh Meghwal

Date of Sample Receipt : 21/03/2021

Date & Time of Sampling : 20/03/2021 at 11.00 Hrs.

Lab ID : WW/20-21/03/19

Date of Testing : 21st to 24th March 2021

Sample Type : Waste Water

Description of Sample Packing : Plastic Carbo

Type of Sampling : Grab

Quantity of Sample : 1 Ltr.

Description : Sewage Water

Sample Collected by : Royal Environment

Sampling Method : IS 3025 : Part 1

Conditioning of Sample(if any): NIL

Location of Sample : STP Plant - treated Sewage Water

Sr. No.	Parameters	Unit	Permissible Limits as per GPCB*	Results	Test Method
01.	pH	---	6.5-9.0	7.6	IS 3025 : Part 11
02.	Total Suspended Solids	mg/l	Less than 100	20	IS 3025 : Part 17
03.	BOD (3 days at 27 c)	mg/l	30.0	18	IS 3025 : Part 44
04.	Fecal Coliform (FC)	MPN/100ml	Less than 1000	34	APHA

* Permissible Limits are as per GPCB CC&A

N.A.=Not Applicable

Authorized Signatory

Tested by

* End of Report *

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2. The results relate only to the item tested.

Doc. No. F/7.8/03, Issue No. 02, Issue Date : 01-10-18, Ammd No. —, Ammd Date : —

Page 1 of 1

Rain water harvest pits

TOTAL NO. OF PITS : 05.





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9/3, 9/4, Shivdoli, B/S. Bal Adalat, Gondal Road, RAJKOT - 360 002

Ph. : +91 281 2390696 • E-mail : royaleenvironment@live.com • admin@royalconsultancy.com

Annexure-11

Ref No. 101/12/2020-21

Date : 30/12/2020

REPORT OF STACK EMISSION ANALYSIS

Name of company : JK Cement Limited.

S no. 1342/3, 1327, 1336, 1334, 1333,

Vill. Vadadala,

Ta. Balasinor, Dist. Mahisagar

Test Method As per IS Standards - 11255_1/2/3/7

Sr. No. Particulars	Unit	Stack No. 1	Stack No. 2
01. Date of sampling	---	24/12/2020	25/12/2020
02. Time of sampling	Hr	10.30	13.30
03. Stack Attached to	---	Cement Mill	Packer No. 1
04. Air Pollution Control Measures	---	Bag House	Bag Filter
05. Stack Height	Meter	39	37.5
06. Stack Diameter	Meter	1.50	1.10
07. Stack Temperature	°C	94	34
08. Ambient Temperature	°C	25	27
09. Average Velocity of Flue Gases	M/Sec.	7.2	5.4
10. Isokinetic flow rate for P.M. Sampling	LPM	25	22
11. Permissible Limit for P.M.*	mg/Nm ³	150	150
12. Measured Concentration of P.M.	mg/Nm ³	10.2	13.1

Instruments used Ecotech make Stack Sampler (ESS 100)

Calibration done on 13/10/2020

Royal Environment Auditing & Consultancy Service



Visual
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2360695 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Annexure-11

Ref. No. :303/03/2020-21

Date : 31/03/2021

REPORT OF STACK EMISSION ANALYSIS

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333,

Vill.: Vadadala,

Ta.: Balasinor, Dist.: Mahisagar

Test Method : As per IS Standards - 11255_1/2/3/7

Sr. No.	Particulars	Unit	Stack No. 1
01.	Date of sampling	---	20/03/2021
02.	Time of sampling	Hr	10.10
03.	Stack Attached to #	---	Cement Mill
04.	Air Pollution Control Measures	---	Bag House
05.	Stack Height	Meter	39
06.	Stack Diameter	Meter	1.5
08.	Stack Temperature	°C	98
09.	Ambient Temperature	°C	29
10.	Average Velocity of Flue Gases	M/Sec.	7.9
11.	Isokinetic flow rate for P.M. Sampling	LPM	27
12.	Permissible Limit for P.M.*	mg/Nm ³	150
13.	Measured Concentration of P.M.	mg/Nm ³	9.4

Instruments used :Ecotech make Stack Sampler (ESS 100)

* Permissible Limits are as per GPCB CC&A

Calibration done on : 13/10/2020

Hot Air generator is attached to Cement Mill & flue gases passed throug commonstack of Cement Mill

Royal Environment Auditing & Consultancy Service

Vishal
Analyst



Royal

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Ph.: +91 281 2360695 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Annexure-11

Ref. No. :301/03/2020-21

Date : 31/03/2021

REPORT OF STACK EMISSION ANALYSIS

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333,

Vill.: Vadadala,

Ta.: Balasinor, Dist.: Mahisagar

Test Method : As per IS Standards - 11255_1/2/3/7

Sr. No.	Particulars	Unit	Stack No. 2	Stack No. 3
01.	Date of sampling	---	20/03/2021	20/03/2021
02.	Time of sampling	Hr	13.30	10.20
03.	Stack Attached to	---	Packer No. 1	Transport system of packing plant
04.	Air Pollution Control Measures	---	Bag Filter	Bag Filter
05.	Stack Height	Meter	37.5	37.5
06.	Stack Diameter	Meter	1.10	0.75
07.	Stack Temperature	° C	35	34
08.	Ambient Temperature	° C	31	30
09.	Average Velocity of Flue Gases	M/Sec.	5.64	5.39
10.	Isokinetic flow rate for P.M. Sampling	LPM	24	23
11.	Permissible Limit for P.M.*	mg/Nm ³	150	150
12.	Measured Concentration of P.M.	mg/Nm ³	13.8	12.1

Instruments used :Ecotech make Stack Sampler (ESS 100)

Calibration done on : 13/10/2020

Royal Environment Auditing & Consultancy Service

Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2360695 ■ E-mail : royalenvironment@live.com ■ admin@royalconsultancy.com

Annexure-11

Ref. No. : 302/03/2020-21

Date : 31/03/2021

Performance Evaluation of Air Pollution Control Equipments JK Cement Plant : MARCH - 2021

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333, Vill.: Vadadala,

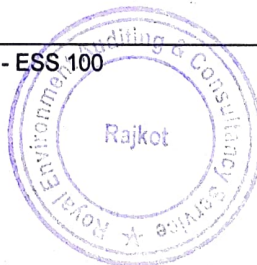
Ta.: Balasinor, Dist.: Mahisagar

Test Method : As per IS Standards - 11255_Part - 1/3

Sr. No.	Particulars	Unit	PE - 1
01	Date of Sampling	---	20/03/2021
02	Attached to	---	Cement Mill (Bag House)
03	Stack Height	Meter	30
04	Stack Diameter	Meter	---
05	Ambient Temperature	°C	30
06	Stack Temperature	°C	99
07	Average Velocity of Flue Gases	m/sec.	5.2
08	IsoKinetic Flowrate for Sampling	LPM	12
09	PM Concentration in Bag House Inlet	mg/Nm ³	3541
10	PM Concentration in Bag House Outlet	mg/Nm ³	9.4
11	Efficiency	%	99.73

Instrument Used : Stack Monitoring Kit - Ecotech make - ESS 100

Calibration is done on : 13/10/2020



Royal Environment Auditing & Consultancy Service

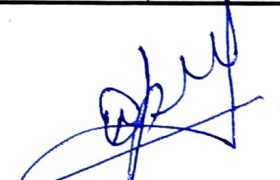
Analyst

Vishal

J.K.CEMENT WORKS, BALASINOR
BALASINOR- AHMEDABAD INDORE ROAD, VILLAGE- VADADALA, TEH. BALASINOR, MAHISAGAR (G.J.)
PARTICULATE MATTER EMISSION MONITORING REPORT OF CEMENT MILL STACK-1 (STACK EMISSION)

Month	Date	Name of Stack	Cross Sectional Area of duct (in M ²)	Stack Gases Temp. (in ° K)	Gaes Velocity (in M / Sec.)	Flow of gases (in NM ³ /Sec.)	Duration of sampling (in Min.)	Dust Conc. (Mg/NM ³)	Mean Dust Conc. (in Mg/NM ³)	Emission (in Ts/Day)
Oct-20	07-10-2020	CEMENT MILL	1.77	371	7.78	11.04	40.00	12.7	10.4	0.012
	19-10-2020		1.77	370	8.07	11.48	40.00	10.0		0.010
	25-10-1900		1.77	373	7.60	10.72	40.00	8.6		0.008
Nov-20	01-11-2020	CEMENT MILL	1.77	370	7.87	11.20	40.00	7.8	9.1	0.008
	07-11-2020		1.77	373	8.20	11.57	40.00	10.4		0.010
	20-11-2020		1.77	369	7.66	10.93	40.00	7.7		0.007
	27-11-2020		1.77	370	8.07	11.48	40.00	10.6		0.011
Dec-20	03-12-2020	CEMENT MILL	1.77	368	8.25	11.80	40.00	12.0	9.7	0.012
	09-12-2020		1.77	369	7.96	11.35	40.00	9.1		0.009
	16-12-2020		1.77	367	8.04	11.53	40.00	7.2		0.007
	24-12-2020		1.77	370	7.77	11.05	40.00	10.3		0.010
Jan-21	04.01.2021	CEMENT MILL	1.77	371	7.78	11.06	42.00	10.0	8.8	0.010
	11.01.2021		1.77	367	7.32	10.52	42.00	6.8		0.006
	18.01.2021		1.77	368	8.05	11.54	42.00	10.0		0.010
	25.01.2021		1.77	370	7.87	11.22	42.00	8.5		0.008
Feb-21	05.02.2021	CEMENT MILL	1.77	371	8.18	11.63	42.00	9.4	9.2	0.009
	12.02.2021		1.77	369	8.63	12.34	42.00	9.8		0.010
	19.02.2021		1.77	368	8.25	11.82	42.00	8.8		0.009
	26.02.2021		1.77	371	8.75	12.44	42.00	8.6		0.009
Mar-21	03.03.2021	CEMENT MILL	1.77	370	9.02	12.86	42.00	8.5	9.0	0.009
	11.03.2021		1.77	371	8.61	12.24	42.00	8.9		0.009
	19.03.2021		1.77	371	8.05	11.44	42.00	9.0		0.009
	27.03.2021		1.77	370	7.87	11.22	42.00	9.4		0.009


Shikhar Singh
Monitored By

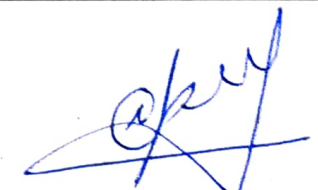

Naresh Meghwal
Reviewed by

J.K.CEMENT WORKS, BALASINOR
BALASINOR- AHMEDABAD INDORE ROAD, VILLAGE- VADADALA, TEH. BALASINOR, MAHISAGAR (G.J.)
PARTICULATE MATTER EMISSION MONITORING REPORT OF PACKER STACK-2

Month	Date	Name of Stack	Cross Sectional Area of duct (in M ²)	Stack Gases Temp. (in °K)	Gases Velocity (in M / Sec.)	Flow of gases (in NM ³ /Sec.)	Duration of sampling (in Min.)	Dust Conc. (Mg/NM ³)	Mean Dust Conc. (in Mg/NM ³)	Emission (in Ts/Day)
Oct-20	07-10-2020	Packer	0.95	307	2.10	4.85	40.00	15.5	13.6	0.006
	19-10-2020		0.95	306	2.20	4.98	40.00	12.6		0.005
	25-10-1900		0.95	306	2.00	4.75	40.00	12.6		0.005
Nov-20	01-11-2020	Packer	0.95	304	2.20	4.99	40.00	9.4	12.5	0.004
	07-11-2020		0.95	305	2.00	4.75	40.00	13.6		0.006
	20-11-2020		0.95	303	2.30	5.11	40.00	11.4		0.005
	27-11-2020		0.95	306	2.10	4.86	40.00	15.6		0.007
Dec-20	03-12-2020	Packer	0.95	301	2.40	5.24	40.00	12.9	12.1	0.006
	09-12-2020		0.95	301	2.30	5.13	40.00	15.2		0.007
	16-12-2020		0.95	299	2.00	4.80	40.00	5.1		0.002
	24-12-2020		0.95	302	2.40	5.23	40.00	15.2		0.007
Jan-21	04.01.2021	Packer	0.95	306	5.13	4.75	42.00	12.7	12.7	0.005
	11.01.2021		0.95	306	5.38	4.98	42.00	10.8		0.005
	18.01.2021		0.95	308	5.27	4.84	42.00	13.9		0.006
	25.01.2021		0.95	307	5.14	4.74	42.00	13.5		0.006
Feb-21	05.02.2021	Packer	0.95	307	5.26	4.85	42.00	13.1	13.6	0.005
	12.02.2021		0.95	308	5.15	4.73	42.00	13.7		0.006
	19.02.2021		0.95	308	5.27	4.84	42.00	11.5		0.005
	26.02.2021		0.95	309	5.40	4.95	42.00	16.2		0.007
Mar-21	03.03.2021	Packer	0.95	306	5.50	5.09	42.00	11.3	11.4	0.005
	11.03.2021		0.95	307	5.25	4.84	42.00	12.0		0.005
	19.03.2021		0.95	308	5.64	5.18	42.00	10.9		0.005
	27.03.2021		0.95	307	5.39	4.97	42.00	11.5		0.005



Shikhar Singh
Monitored By



Naresh Meghwal
Reviewed by

J.K.CEMENT WORKS, BALASINOR										
BALASINOR- AHMEDABAD INDORE ROAD, VILLAGE- VADADALA, TEH. BALASINOR, MAHISAGAR (G.J.)										
PARTICULATE MATTER EMISSION MONITORING REPORT OF PACKER TRANSPORT LINE STACK-3										
Month	Date	Name of Stack	Cross Sectional Area of duct (in M ²)	Stack Gases Temp. (in ° K)	Gaes Velocity (in M / Sec.)	Flow of gases (in NM ³ /Sec.)	Duration of sampling (in Min.)	Dust Conc. (Mg/NM ³)	Mean Dust Conc. (in Mg/NM ³)	Emission (in Ts/Day)
Mar-21	03.03.2021	Transport Line Packer	0.44	305	5.37	2.31	40.00	13.0	11.7	0.003
	11.03.2021		0.44	306	5.50	2.36	40.00	11.1		0.002
	19.03.2021		0.44	307	5.74	2.45	40.00	11.0		0.002
	27.03.2021		0.44	308	5.64	2.40	40.00	11.5		0.002



Shikhar Singh
Monitored By



Naresh Meghwal
Reviewed by

ADDITIVE SHADE FOR RAW MATERIAL STORAGE



Transport line for Raw material feeding



Raw material Unloading

FLY ASH UNLOADING



CLINKER UNLOADING



CEMENT LOADING AREA



APCM AT CLINKER UNLOADING BRU



APCM AT FLY ASH SILO



APCM AT CLINKER SILO





GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.P.A.D.

In exercise of the power conferred under Section - 25 of the Water (Prevention and Control of Pollution) Act - 1974, under Section - 21 of the Air (Prevention and Control of Pollution) Act - 1981 and Authorization under Rule - 6(2) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 framed under the Environment (Protection) Act, 1986.

And whereas Board has received consolidated consent application vide Inward ID: 174853, Dated : 27/06/2020 for the Renewal of consolidated consent and authorization (CC&A) of this Board under the Provisions / Rules of the aforesaid Acts. Consent & Authorization is hereby granted as under.

CONSENT AND AUTHORISATION:

(Under the provisions / rules of the aforesaid environmental acts)

To,

JK Cement Limited (ID-69109),

S.no. 1342/3, 1327,1336,1334,1333,

Vill:- Vadadala,

Ta:- Balasinor, Dist:- Mahisagar.

1. Consent Order No. **AWH-109494**, Date of issue : **28/09/2020**
2. The consent shall be valid up to **26/06/2025** to operate industrial plant for manufacturing of the following products :

Sr. No.	Name of Product	Quantity
1.	Pozzolana Portland Cement (PPC)	94500 MT/Month

SPECIFIC CONDITIONS :

- Unit shall make Sewage Treatment Plant operational prior to commencing full fledged production activity.

3. CONDITION UNDER THE WATER ACT :

- 3.1 Fresh water shall be obtained through Borewell.
- 3.2 The quantity of total water consumption shall not exceed 300 KLD.
Industrial: - 270 KL/day
Domestic: - 30 KL/day
- 3.3 The quantity of total effluent generation shall not exceed 9 KLD.
Industrial: - Nil
Domestic: - 9 KL/day
- 3.4 Domestic effluent shall be treated into STP to confirm following standards and treated sewage shall be utilized for gardening/plantation within factory premises.

PARAMETER	NORMS
pH	6.5 to 9

Clean Gujarat Green Gujarat

ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation

BOD (3 days at 27°C)	30 mg/l
Total Suspended Solids	< 100 mg/l
Fecal Coliform (FC) (Most Probable Number 100 milliliter, MNP/1000 ml)	< 1000

4. CONDITIONS UNDER AIR ACT - 1981:

4.1 Following shall be used as fuel.

Sr.No.	Name Of Fuel	Quantity
1.	Diesel	5.24 KLD

4.2 The applicant shall install & operate Air Pollution Control Systems in order to achieve norms prescribed below :

4.3 The Flue gas emission through stack attached to conform to the following standards:

Sr. No.	Stack attached to.	Stack height in Meter From G.L.	APCM	Parameter.	Permissible limit.
1.	Hot Generator Air	30 meter	Bag House	Particulate Matter	150 mg/NM ³
2.	D.G.Set (500 KVA)	11 meter	---	SO ₂ NO _x	100 ppm 50 ppm

4.4 D.G. Set Standards:

4.4.1 The flue gas emission through stack attached to D.G. Set shall conform to the following standards:

4.4.2 The minimum height of stack to be provided with each of the generator set shall be $H=h+0.2(KVA)^{1/2}$, where H = Total stack height in meter, h = height of the Building in meters where or by the side of which the generator set is installed.

4.4.3 Noise from D.G. set shall be controlled by providing an acoustic enclosure or by treating the room acoustically, at the users end.

4.4.4 The acoustic enclosure or acoustic treatment of the room shall be designed for minimum 25 dB(A) insertion loss or for meeting the ambient noise standards, whichever is on the higher side (if the actual ambient Noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure/ acoustic treatment. Under such circumstances the performance may be checked for Noise reduction up to actual ambient noise level, preferably, in the night time). The measurement for insertion loss may be done at different points at 0.5 m from the acoustic enclosure/room, and the averaged.

4.4.5 The D.G. Set shall be provided with proper exhaust muffler with insertion loss of minimum 25 dB(A).

4.4.6 All efforts shall be made to bring down the noise level due to the D.G. Set, outside the premises, within the ambient noise requirements by proper siting and control measures.

4.4.7 Installation of a D.G. Set must be strictly in compliance with the recommendations of the D.G. Set manufacturer.

4.4.8 A proper routine and preventive maintenance procedure for the D.G. Set should be set and followed in consultation with the D.G. Set manufacture which would help prevent noise levels of the D.G. Set from deteriorating with use.

4.5 The Process gas emission through stack attached to conform to the following standards:

4.6



Stack No.	Stack attached to	Stack height in Meter	APCM	Parameter	Permissible Limit
1.	Cement Mill	30	Bag House	Particulate Matter	150 mg/Nm ³
2.	Clinker Hopper	30	Bag Filter		
3.	Fly Ash Silo	30	Bag Filter		
4.	Clinker Silo	30	Bag Filter		
5.	Packer No.1	30	Bag Filter		
6.	Packer No.2	30	Bag Filter		

- 4.7 Stack monitoring facilities like port hole, platform / ladder etc., shall be provided with stacks / vents chimney in order to facilitate sampling of gases being emitted into the atmosphere.
- 4.8 The concentration of the following parameters in the ambient air within the premises of the industry and a distance of 10 meters from the source (other than the stack/vent) shall not exceed the following levels:

PARAMETER	PERMISSIBLE LIMIT ANNUAL	PERMISSIBLE LIMIT 24 HRS. AVERAGE
Particulate matter – 10[PM ₁₀]	60 µg/M ³	100 µg/M ³
Particulate matter-2.5[PM _{2.5}]	40 µg/M ³	60 µg/M ³
Sulphur Dioxide	50 µg/M ³	80 µg/M ³
Oxides of Nitrogen	40 µg/M ³	80 µg/M ³

- 4.9 The applicant shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified in condition No.4.3, &4.5 above.
- 4.10 The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified in the condition No. 4.3 & 4.4 above.
- 4.11 The applicant shall provide Portholes, Ladder, Platform etc. at Chimney(s) for monitoring the Air Emissions and the same shall be open for inspection to/and for use of Board's Staff. The Chimney(s)/Vents attached to various sources of emission shall be designed by Number such as S-1, S-2 etc. and these shall be Painted / displayed to facilitate identification.
- 4.12 The Industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Daytime is reckoned in between 6 A.M. and 10 P.M. and nighttime is reckoned between 10 P.M. and 6 A.M.

5. AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 {See Rule 6 (2)}.

Number of authorization and date of issue: AWH-109494, Date of issue : 28/09/2020.

M/s. J K Cement Limited is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at S.no. 1342/3, 1327,1336,1334,1333, Vill:- Vadadala,Ta:- Balasinor, Dist:- Mahisagar.



Sr. No.	Waste	Category & Schedule	Quantity	Facility
1.	Used or spent oil	I – 5.1	5.1 KL/Annum	Collection, Storage, Transportation & disposed off by selling to registered refiners.
2.	Waste/ Residues Containing Oil	I – 5.2	2.0 KL/Annum	Collection, Storage, Transportation & disposed off by selling to registered refiners.
3.	Empty barrels/ containers/ liners contaminated with hazardous chemicals/ wastes	I – 33.1	300 Nos./Annum	Collection, Storage, Transportation & disposed off by Authorized Decontamination Facility.
4.	Contaminated cotton rags or other cleaning materials	I – 33.2	1.2 MT/Annum	Collection, Storage, Transportation & disposal at own Integrated Cement Plant Kiln at Rajasthan for Co-processing.

5.1 The authorization is granted to operate a facility for collection, storage, Transportation & ultimate disposal of Hazardous waste at TSDF Site, Authorized Decontamination Facility & selling to registered refiners.

5.2 The authorization shall be in force for a period up to **26/06/2025**

5.3 TERMS AND CONDITIONS OF AUTHORISATION :

5.3.1 The authorized person shall comply with the provisions of the Environment (Protection) Act – 1986 and the Rules made there under.

5.3.2 The authorization or its renewal shall be produced for inspection at the request of an officer authorized by this Board.

5.3.3 The persons authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.

5.3.4 Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.

5.3.5 It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.

5.3.6 An application for the renewal of an authorization shall be made as laid down in Rule 6.

5.3.7 Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No.657 of 1995 dated 14th October 2003.

5.3.8 Industry shall have to display online data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emissions and solid hazardous waste generated within the factory premises.

5.3.9 The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.

5.3.10 The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".

- 5.3.11 The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
- 5.3.12 The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
- 5.3.13 Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- 5.3.14 The occupier handling hazardous or other wastes and operator of disposal facility shall maintain records of such operations in Form 3.
- 5.3.15 The occupier handling hazardous and other wastes and operator of disposal facility shall send annual returns to the State Pollution Control Board in Form 4 by June 30th for the period ensuring 31st March of the year.
- 5.3.16 Where an accident occurs at the facility of the occupier handling hazardous or other wastes and operator of the disposal facility or during transportation, the occupier or the operator or the transporter shall immediately intimate the State Pollution Control Board through telephone, e-mail about the accident and subsequently send a report in Form 11.

6. GENERAL CONDITIONS :

- 6.1 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1,000 trees per acre of land and a green belt of 10 meters width is developed.
- 6.2 In case of any change either in products, its capacity or manufacturing process, the applicant shall have to obtain prior permission of this Board.
- 6.3 If the products/process falls in SCHEDULE-I or II of the Environmental Audit Scheme, as specified in the order dated 13/3/97 of Hon. High Court in MCA NO.326/97 in SCA No.770/95, the applicant shall also abide by the said scheme.
- 6.4 The applicant shall have to obtain P.L.I. Policy as per P.L.I. Act, 1991 and submit the copy of the same to the G.P.C.B.
- 6.5 The unit shall have and operate all the requisite equipments/facilities for prevention and control of efficiently all its effluent treatment plant/air pollution control equipments/ facilities for management and handling of hazardous wastes. Whenever the effluent treatment plant/air pollution control equipments/ facilities for hazardous waste or any part thereof are fully or partly non-operational for any reason whatsoever (whether for maintenance/repairs/electricity failure or otherwise) unit shall closedown its manufacturing/ processing activities and shall not restart it unless and until all it's the effluent treatment plants/air pollution protection and control equipments and facilities including stack monitoring/ facilities for hazardous waste management and handling are fully operational.
- 6.6 The unit shall have and use only one outlet for the discharge of its effluent and no effluent shall be discharged without requisite treatment and without meeting with the GPCB norms. Such outlet shall be near the front gate/entrance of the unit. The unit shall not keep any bypass line or system, or loose or flexible pipe for discharging effluent outside or even for transporting treated or untreated effluent within the factory premises, within effluent treatment plants or in the compound of the unit.
- 6.7 The unit shall, within one week from the date of issue of this order. Put up at the entrance the electricity consumer number and the name of the electricity consumers as on the record of the GEB/AEC.



Outward No. 15/2017

- 6.8 Make adequate lighting arrangements all around the Effluent Treatment Plants/ Air Pollution Control measures/ incinerator / facilities for hazardous management and handling also above the Boards mentioned in the above clause.
- 6.9 The unit shall maintain the records of production and consumption of electricity and water for each day during the period of production. The unit shall maintain separate figures for consumption of electricity for running the Air pollution control measures / incineration system by having a separate meter/sub- meter for each Air Pollution Control measures. The number of units consumed by operating the diesel generating sets, if any, shall also be maintained. In case of plants involving 'Bio-mass' treatment, for each addition of bio-mass time and quantity, should be recorded. The uptake rate of Oxygen of the bio-mass in the aeration basin and other parameters of biological system should be recorded, every day.
- 6.10 When electricity supply or water supply is disconnected in future on account of noncompliance with the GPCB norms or on account of the closure order, which may be passed by the court or by the Govt., /GPCB under any statutory provisions relating to environmental protection and prevention and control of pollution. The unit shall not use any diesel generating set or any other alternative source of energy or water tankers from outside for continuing the production activities.
- 6.11 "Flow Meters" should be installed at inlet and outlet of Effluent Treatment Plant (ETP thereafter).
- 6.12 All the chemicals and nutrients, which are required to be added/dosed any where in the ETP. should be so added by using "Metering Pumps" only.
- 6.13 The printed log-books shall be maintained and get them certified for :
 - a) Energy/Fuel Consumption/Raw material consumption and quantity of products manufactured.
 - b) Waste water/gaseous/ hazardous waste flow at inlet & outlet of E.T.P. & air pollution control measures/ incinerator.
 - c) Quantity of sludge generated/ treated/ stored/ reused/ disposed off separately for each type of hazardous waste.
 - d) Laboratory analysis/reports for each of the specified parameters of liquid effluents, gaseous discharge and hazardous waste sample.
- 6.14 Low NO_x burners may be provided to avoid excessive formulation of NO_x. Only LSHS will be used as fuel during the critical months to ensure that SO₂ levels in the ambient air is within the norm specified.
- 6.15 A copy of approved On-site Emergency Plan as required under the Rules 13 and 14 of the Handling, Manufacture, Storage and Import of the Hazardous Chemicals Rules, 1989 should be submitted to the Board.
- 6.16 The funds earmarked for the Environmental protection measures should not be diverted for any other purpose and year wise expenditure should be reported to this Board and to the Government.
- 6.17 Storm water shall not be mixed with the industrial effluent. Disposal system for storm water shall be provided separately.
- 6.18 Good housekeeping shall be maintained within the factory and industrial premises. All pipes, vents, joints valves and drains shall be leak proof. They should be checked periodically and arrangements thereof shall be indicated in the On-site Emergency Plan. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal.
- 6.19 The directives issued by the Board from time to time in view of direction issued by the Honorable High Court of Gujarat in the matter of S.C.A.770/95 shall have to be complied with.



- 6.20** The applicant shall make an application for renewal of the consent at least 60 days before the date of expiry of the consent.
- 6.21** In case of change of ownership/management the name and address of the new owners / partners / directors / proprietor should immediately be intimated to the Board.
- 6.22** The applicant shall however, not without the prior consent to operate of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986.
- 6.23** Applicant is required to comply with the Manufacturing, Storage and Import of Hazardous Chemicals Rules-1989 framed under the Environment (Protection) Act-1986.
- 6.24** If it is established by any competent authority that the damage is caused due to their industrial activities to any person or his property in that case they are obliged to pay the compensation as determined by the competent authority.

PENALTY PROVISIONS:

If the applicant fails to comply with the conditions and other directives issued by this Board as laid down in this order, the applicant is liable for the action under section 5 of the E(P) Act and also prosecution under Section 43 & 44 and other penal provisions of the Water Act and under section 37, 38, 39 and other penal provisions of the Air Act & under section 15 of the E(P) Act and shall on conviction, be liable for punishment and imprisonment as provided in the said Acts.

NOTE:

The Board reserves the right to review and/or revoke the consent/ authorization and/or make variations in the conditions that the Board deems fit in accordance with provisions of the Acts/Rules.

**For and on behalf of
Gujarat Pollution Control Board**



**(V.D.Rakholia)
Unit Head-Godhra**

No. GPCB/CCA-PN-705/ID:69109

ISSUED TO:

**To,
J K Cement Limited (ID-69109),
S.no. 1342/3, 1327,1336,1334,1333,
Vill:- Vadadala,
Ta:- Balasinor, Dist:- Mahisagar.**

Outward No:569239,05/10/2020

J K Cement Limited , (Ahamadabad -Indore Road NH-47, Vadadala-Vill,Balasinor -Gujarat -388255)												DATE:11 & 12 Nov-2020			
LAB NO.	Emp. Code	NAME	Department	Sex	AGE	HT	WT	BMI	BP	ADDICTION	CLINICAL	TEMP	SPO2	PULSE	DR REMARKS
1	1002365	ARUN SHARMA	Unit Head Office	MALE	50	174	65	21.5	130/90	TOBACCO	HYPERTENSION	97°F	97	100	
2	13000998	SHAHID KHAN	Civil	MALE	46	166	76	27.6	130/90	NO ADDICTION	DM ON TABLET	93°F	96	92	
3	13000230	SHAFIQR REHMAN	Electrical	MALE	47	164	66	24.5	126/74	NO ADDICTION	N.A.D	97°F	99	74	
4	13000255	INDRASEN SINGH	DRAWING	MALE	36	168	74	26.2	120/80	NO ADDICTION	N.A.D	94°F	99	79	
5	13000569	SAMANT GUPTA		MALE	38	160	66	25.8	130/80	NO ADDICTION	DM ON TABLET	93°F	98	100	
6	1002246	KOTESHWARARAO YEDDU	H.R	MALE	42	160	76	29.7	120/90	NO ADDICTION	N.A.D	98°F	97	86	
7	13000444	NEERAJ PALIWAL	SECURITY	MALE	52	183	104	31.1	130/90	NO ADDICTION	N.A.D	93°F	97	74	
8	13001018	SANJEEV KUMAR SINGH	SAFETY	MALE	33	168	73	25.9	130/90	NO ADDICTION	N.A.D	97°F	99	74	
9	13000266	AKSHAY GUPTA		MALE	25	177	68	21.7	130/70	NO ADDICTION	N.A.D	94°F	98	88	
10	13000311	DUSHYANT SINGH	MECHANICAL	MALE	32	170	95	32.9	136/78	NO ADDICTION	N.A.D	97°F	99	78	
11	13000368	JITENDRA CHAUHAN	H.R	MALE	27	167	81	29.0	130/80	NO ADDICTION	N.A.D	94°F	99	92	
12	ST01049	RIZAVANU R MALEK	SAFETY	MALE	32	170	71	24.6	120/80	NO ADDICTION	N.A.D	96°F	99	86	
13	13000967	RANJIT SINGH RATHORE	LOGISTICS	MALE	30	172	76	25.7	130/90	NO ADDICTION	N.A.D	95°F	98	86	
14	ST00607	MAYANK GUPTA	LOGISTICS	MALE	32	171	67	22.9	130/70	NO ADDICTION	N.A.D	97°F	98	87	
15	1002249	RAJENDRA SINGH UDAVAT	LOGISTICS	MALE	44	175	66	21.6	120/90	NO ADDICTION	N.A.D	93°F	99	72	
16	7910498	VIJAY SWAMI	ACCOUNT	MALE	50	171	87	29.8	130/90	NO ADDICTION	DM & HYPERTENSION	97°F	99	96	
17	13000328	VIJENDRA SHEKHAWAT	SECURITY	MALE	35	168	63	22.3	130/80	NO ADDICTION	N.A.D	97°F	99	84	
18	13000427	RAKESH MEHTA	STORE	MALE	50	174	65	21.5	140/90	NO ADDICTION	HYPERTENSION	95°F	98	76	
19	13001023	ARJUNA CHARAN PARTHI	ACCOUNT	MALE	29	168	74	26.2	120/80	NO ADDICTION	N.A.D	96°F	98	89	
20	13000994	KUMAR GAURAW	EXISE	MALE	34	169	69	24.2	130/80	NO ADDICTION	N.A.D	95°F	99	83	
21	2101108	NARESH KUMAR MEGHWAL	Q.C	MALE	39	176	75	24.2	130/82	NO ADDICTION	N.A.D	94 °F	98	75	
22	ST01036	VASUDEV BHOI	H.K	MALE	37	165	65	23.9	130/90	NO ADDICTION	N.A.D	96 °F	97	100	
23	ST01047	SANDEEP HARIJAN	H.K	MALE	29	177	59	18.8	120/80	NO ADDICTION	N.A.D	97 °F	99	86	
24	13000959	JITENDRA SHARMA	Q.C	MALE	26	182	73	22.0	120/80	NO ADDICTION	N.A.D	96 °F	98	76	
25	GUJ000246	MUKESH RATHOD	SECURITY	MALE	26	172	57	19.3	120/70	NO ADDICTION	N.A.D	94 °F	99	73	
26	13000954	PRIYA PRAKASH	PROD.	MALE	44	163	64	24.1	130/80	NO ADDICTION	N.A.D	96 °F	98	90	
27	100106	AMITBHAI BHANGI	H.K	MALE	28	171	72	24.6	130/86	TOBACCO	N.A.D	94 °F	98	91	
28	ST01102	DIPAK KATARIA	ADMIN	MALE	28	173	78	26.1	130/88	NO ADDICTION	N.A.D	96 °F	99	93	
29	100076	AKASH PATEL	STORE	MALE	26	167	62	22.2	130/90	TOBACCO	N.A.D	95 °F	99	100	
30	100075	ARUNKUMAR DABHI	STORE	MALE	25	168	59	20.9	120/80	ARECA NUT	N.A.D	96 °F	99	89	
31	100077	MAYUR SOLANKI	ADMIN	MALE	23	171	60	20.5	130/88	NO ADDICTION	N.A.D	94 °F	95	93	
32	ST01106	ANKIT SINGH	Q.C	MALE	29	183	110	32.8	130/80	NO ADDICTION	N.A.D	97 °F	97	85	
33	ST01110	SHIKHAR SINGH	Q.C	MALE	23	173	60	20.0	130/80	NO ADDICTION	N.A.D	95 °F	97	83	
34	13000950	ABHISHEK GUPTA	PROCCES	MALE	22	164	73	27.1	120/80	NO ADDICTION	N.A.D	96 °F	99	88	
35	100061	JIGNESH Y VYAS	PROCESS	MALE	43	167	72	25.8	120/80	TOBACCO	N.A.D	94 °F	97	95	
36	100017	RAKESH SINH RAULJI	PROCESS	MALE	35	162	58	22.1	130/90	NO ADDICTION	N.A.D	95 °F	98	100	
37	13000214	NITESH CHAURASIYA	ELECTRICAL	MALE	28	177	102	32.6	130/80	NO ADDICTION	N.A.D	95 °F	97	100	
38	100063	DINESH S PATEL	PROCESS	MALE	41	169	85	29.8	120/90	NO ADDICTION	N.A.D	96 °F	99	95	

Annexure-16

DIVINE OHS SERVICES
MOB : +91 9825319170 +91 9898015879

DR P C JAIN
M.B.BS.,C I H ,FCGP,Industrial Physician

LAB NO.	Emp. Code	NAME	Department	Sex	AGE	HT	WT	BMI	BP	ADDICTION	CLINICAL	TEMP	SPO2	PULSE	DR REMARKS
39	100083	NIKUNJ PATEL	ELECTRICAL	MALE	23	177	55	17.6	130/80	NO ADDICTION	N.A.D	94 *F	99	93	
40	100006	JAYDIP R PATEL	PROCESS	MALE	26	165	47	17.3	134/78	NO ADDICTION	N.A.D	95 *F	97	90	
41	100060	JAVIDMIYA MALEK		MALE	36	173	55	18.4	120/80	NO ADDICTION	N.A.D	96 *F	99	94	
42	100096	PRADIP B SOLANKI		MALE	30	174	45	14.9	130/90	NO ADDICTION	N.A.D	95 *F	99	90	
43	100055	ANIL F SENVA		MALE	29	164	73	27.1	130/80	NO ADDICTION	N.A.D	97 *F	97	99	
44	100151	SOHEL S SHAIKH	ELECTRICAL	MALE	23	178	83	26.2	120/90	NO ADDICTION	N.A.D	96 *F	98	95	
45	GUJ000242	AJAY SENWA	SECURITY	MALE	25	182	79	23.8	130/80	MASALA	N.A.D	95 *F	98	110	
46	100014	SHEKHAR M PRAJAPATI		MALE	24	175	62	20.2	120/80	NO ADDICTION	N.A.D	96 *F	99	110	
47	100016	VIRAL P PATEL	PROCESS	MALE	21	181	56	17.1	130/90	NO ADDICTION	N.A.D	94 *F	95	101	
48	100157	VIJAY PARMAR	PACKING	MALE	29	166	50	18.1	120/80	MASALA	N.A.D	95 *F	99	104	
49	100128	VIKRAM CHAUHAN	PACKING	MALE	30	169	44	15.4	120/80	MASALA	N.A.D	96 *F	97	100	
50	100158	MAHESH PARMAR	GARDENER	MALE	38	165	61	22.4	120/70	NO ADDICTION	N.A.D	95 *F	97	95	
51	100102	JAYENDRASINH R TALAR	PROCESS	MALE	49	164	47	17.5	130/90	NO ADDICTION	N.A.D	94 *F	98	108	
52	ST01107	BHARAT SINGH	Q.C	MALE	26	173	80	26.7	130/78	NO ADDICTION	N.A.D	95 *F	98	97	
53	GUJ000243	KISHAN N PARMAR		MALE	25	179	52	16.2	130/70	MASALA	N.A.D	96 *F	99	100	
54	100112	AJAY HARIJAN		MALE	26	167	59	21.2	110/60	MASALA	N.A.D	95 *F	97	84	
55	100093	RAHUL B VALAND	ELECTRICAL	MALE	21	174	50	16.5	120/80	NO ADDICTION	N.A.D	96 *F	98	99	
56	100127	PRAVIN PATELIYA	PACKING	MALE	28	160	45	17.6	120/90	NO ADDICTION	N.A.D	94 *F	99	100	
57	100136	NARENDRA PARMAR	PACKING	MALE	28	170	53	18.3	120/60	MASALA	N.A.D	96 *F	96	101	
58	100114	CHINU KATARIYA	PACKING	MALE	37	162	63	24.0	140/90	NO ADDICTION	N.A.D	97 *F	97	88	
59	100135	DINESH BHANGI	PACKING	MALE	41	167	70	25.1	136/92	NO ADDICTION	N.A.D	95 *F	95	104	
60	100111	YASH BHOI	PACKING	MALE	23	170	51	17.6	120/70	NO ADDICTION	N.A.D	95 *F	98	99	
61	100113	AJAY SOLANKI	PACKING	MALE	28	163	55	20.7	110/70	NO ADDICTION	N.A.D	96 *F	96	84	
62	ST01058	BHIKHA MEHRA	GARDENER	MALE	55	155	53	22.1	130/80	NO ADDICTION	N.A.D	94 *F	97	87	
63	100107	MAHENDRA ZALA		MALE	25	161	51	19.7	120/80	MASALA	N.A.D	96 *F	99	100	
64	100108	ALPESH BARIYA	GARDENER	MALE	26	168	46	16.3	128/84	MASALA	N.A.D	95 *F	99	91	
65	100066	MOH. NESAR ANSARI	WELDING	MALE	28	159	64	25.3	130/86	TOBACCO	N.A.D	96 *F	98	91	
66	100160	DILIP SINGH	MAINT.	MALE	25	161	53	20.4	120/90	NO ADDICTION	N.A.D	96 *F	99	98	
67	100120	SWATANTRA NARANYAN SINGH	MAINT.	MALE	33	176	65	21.0	130/82	NO ADDICTION	N.A.D	94 *F	99	96	
68	100071	SANJAY SINGH	MAINT.	MALE	26	161	60	23.1	120/80	TOBACCO	N.A.D	96 *F	99	90	
69	100123	RAKESH MISHRA	MAINT.	MALE	31	163	60	22.6	120/80	NO ADDICTION	N.A.D	95 *F	98	90	
70	3800197	ARJUN SINGH	LOGISTICS	MALE	36	183	80	23.9	130/80	NO ADDICTION	N.A.D	95 *F	96	95	
71	ST00893	VIVEK RICHHARIA	LOGISTICS	MALE	27	160	65	25.4	120/80	NO ADDICTION	N.A.D	96 *F	98	77	
72	1002446	NIKHIL CHAPARWAL	MECHANICAL	MALE	24	172	56	18.9	130/76	NO ADDICTION	N.A.D	95 *F	99	87	
73	13001016	MAULIK PRAJAPATI	PROD.	MALE	23	172	75	25.4	138/90	NO ADDICTION	N.A.D	96 *F	95	92	
74	ST01055	RAKSHESH PATEL	CIVIL	MALE	28	170	51	17.6	130/82	MASALA	N.A.D	96 *F	97	86	
75	100001	NASRUDDIN AHMED	MECHANICAL	MALE	33	160	62	24.2	130/80	TOBACCO	N.A.D	94 *F	98	83	
76	100069	ALOK S SINGH	MECHANICAL	MALE	24	178	55	17.4	130/70	NO ADDICTION	N.A.D	96 *F	99	91	
77	100072	MIRAJ I ALAM		MALE	20	162	43	16.4	120/70	TOBACCO	N.A.D	94 *F	97	88	
78	100152	BASID MALIK	INSTRUMENT	MALE	27	167	78	28.0	130/78	SMOKING	N.A.D	93 *F	95	76	

Annexure-16

DIVINE OHS SERVICES
MOB : +91 9825319170 +91 9898015879

DR P C JAIN
M.B.BS.,C I H ,FCGP,Industrial Physician

LAB NO.	Emp. Code	NAME	Department	Sex	AGE	HT	WT	BMI	BP	ADDICTION	CLINICAL	TEMP	SPO2	PULSE	DR REMARKS
79	100065	KRUNAL M PATEL		MALE	33	173	61	20.4	120/80	NO ADDICTION	N.A.D	95 *F	99	99	
80	100051	MUKESH P SENWA	Q.C	MALE	30	175	74	24.2	130/90	MASALA	N.A.D	96 *F	99	95	
81	13000465	VIPIN JAISWAL	COMM.	MALE	48	164	63	23.4	130/80	NO ADDICTION	N.A.D	96 *F	98	91	
82	100156	CHETAN SINH CHAUHAN	Q.C	MALE	23	177	64	20.4	120/80	NO ADDICTION	N.A.D	95 *F	98	90	
83	100121	RAJU GUPTA	MECHANICAL	MALE	25	168	59	20.9	120/70	NO ADDICTION	N.A.D	94 *F	98	97	
84	100104	PAWAN SINGH		MALE	20	164	49	18.2	128/82	NO ADDICTION	N.A.D	96 *F	99	94	
85	100159	MD UMAIR		MALE	36	162	71	27.1	130/90	NO ADDICTION	N.A.D	95 *F	95	90	
86	100054	REYAZAHAMAD ANSARI	FITTER	MALE	38	164	65	24.2	130/86	TOBACCO	N.A.D	95 *F	99	92	
87	AMBIKA	DHARMENDRA SOLANKI	DRIVER	MALE	43	162	82	31.2	130/90	TOBACCO	N.A.D	94 *F	95	94	
88	T P PATEL	PRADIP B SOLANKI	DRIVER	MALE	28	177	102	32.6	130/86	NO ADDICTION	N.A.D	95 *F	99	99	
89	100035	PREM RAM	PACKING	MALE	30	172	62	21.0	114/80	NO ADDICTION	N.A.D	96 *F	98	76	
90	13000705	PARTHASARATHY JAYARAMAN	CIVIL	MALE	34	160	58	22.7	120/80	NO ADDICTION	N.A.D	95 *F	99	91	
91	GUJ000....	KIRIT PARMAR	SECURITY	MALE	38	175	75	24.5	130/80	NO ADDICTION	N.A.D	96 *F	96	82	
92	GUJ000..	SANJAY RATHORE	SECURITY	MALE	32	166	62	22.5	130/90	NO ADDICTION	N.A.D	95 *F	98	96	
93	GUJ000...	DHARMENDRA SINH ZALA	SECURITY	MALE	25	159	64	25.3	132/92	NO ADDICTION	N.A.D	96 *F	98	91	
94	100117	RAVINDRA SINGH	PACKING	MALE	22	180	53	16.4	110/70	NO ADDICTION	N.A.D	94 *F	96	95	
95	100087	MOH. NAZIR GHANCHI	ELECTRICAL	MALE	21	181	60	18.3	116/70	SMOKING	N.A.D	95 *F	99	97	
96	100153	PANKAJ PATEL	ELECTRICAL	MALE	38	167	55	19.7	130/86	TOBACCO	N.A.D	96 *F	98	89	
97	GUJ000247	ISHVAR PATELIYA	SECURITY	MALE	30	167	49	17.6	120/80	MASALA	N.A.D	97 *F	98	109	
98	GUJ000280	MANHAR BARIYA	SECURITY	MALE	21	178	114	36.0	130/90	NO ADDICTION	N.A.D	94 *F	99	90	
99	T P PATEL..	DURGESH ZALA	DRIVER	MALE	24	173	57	19.0	120/80	TOBACCO	N.A.D	96 *F	99	92	
100	ST01105	ANIF SHAIKH	PACKING	MALE	40	154	79	33.3	130/90	NO ADDICTION	N.A.D	96.3 *F	97	92	
101	ST00602	PRADEEP KUMAR	PACKING	MALE	35	169	65	22.8	130/92	NO ADDICTION	N.A.D	97 *F	99	94	
102	100052	UGAMSINGH C RAO	PACKING	MALE	31	183	50	14.9	130/90	NO ADDICTION	N.A.D	96.4 *F	96	82	
103	100047	RAKESHKUMAR B DHANIYA	PACKING	MALE	27	173	67	22.4	120/80	NO ADDICTION	N.A.D	95 *F	96	95	
104	100139	PRAKASH S SINGH	PACKING	MALE	30	171	72	24.6	120/90	TOBACCO	N.A.D	93.2 *F	97	100	
105	100038	ARIPHALI HUSEN KHAN	PACKING	MALE	29	170	57	19.7	130/80	TOBACCO	N.A.D	97 *F	99	73	
106	100131	RAJESH K MEWARA	PACKING	MALE	20	166	46	16.7	120/70	NO ADDICTION	N.A.D	93.2 *F	97	85	
107	100027	NEMA L RAM	PACKING	MALE	43	166	65	23.6	116/76	TOBACCO	N.A.D	97 *F	98	85	
108	100029	SHAHROKH S KHAN	PACKING	MALE	19	177	58	18.5	130/80	TOBACCO	N.A.D	98 *F	97	95	
109	100036	OMARAM N MEGHWAL	PACKING	MALE	22	166	50	18.1	120/80	NO ADDICTION	N.A.D	94 *F	96	82	
110	100138	CHATRA G RAM	PACKING	MALE	24	174	53	17.5	120/80	NO ADDICTION	N.A.D	97 *F	99	80	
111	GUJ000248	ANIL B PARMAR	SECURITY	MALE	24	174	53	17.5	130/70	MASALA	N.A.D	97 *F	99	93	
112	100112	BABUBHAI B BHARVAD	SECURITY	MALE	39	175	85	27.8	130/80	NO ADDICTION	N.A.D	96 *F	98	94	
113	GUJ000279	SURESH A SINDHIWA	SECURITY	MALE	23	170	70	24.2	120/90	NO ADDICTION	N.A.D	93 *F	96	100	
114	GUJ000276	BABU S PARMAR	SECURITY	MALE	40	170	84	29.1	130/80	NO ADDICTION	N.A.D	94.3 *F	98	100	
115	GUJ000245	ARVIND A PARMAR	SECURITY	MALE	40	165	60	22.0	130/92	NO ADDICTION	N.A.D	96 *F	97	96	
116	GUJ000281	VIJAYSINH I SODHAPARMAR	SECURITY	MALE	28	173	65	21.7	120/80	NO ADDICTION	N.A.D	97 *F	99	100	
117	100050	MAHARUDRASINH J RAULJI	PROCESS	MALE	26	180	75	23.1	120/90	NO ADDICTION	N.A.D	97 *F	99	94	
118	GUJ000346	JAGDISH J MEHRA	SECURITY	MALE	30	176	81	26.1	134/90	MASALA	N.A.D	97 *F	99	100	

Annexure-16

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LAB NO.	Emp. Code	NAME	Department	Sex	AGE	HT	WT	BMI	BP	ADDICTION	CLINICAL	TEMP	SPO2	PULSE	DR REMARKS
119	100012	SANJAY R THAKUR	PROD.	MALE	31	175	67	21.9	130/80	NO ADDICTION	N.A.D	96°F	98	99	
120	100007	ATRIK A PATEL	PROD.	MALE	22	160	49	19.1	120/70	NO ADDICTION	N.A.D	98°F	99	98	
121	13000969	RITURAJ TRIPATHI	PROCESS	MALE	22	166	67	24.3	132/78	NO ADDICTION	N.A.D	93°F	98	100	
122	GUJ000344	KAMLESH M BHOI	SECURITY	MALE	38	168	78	27.6	130/80	NO ADDICTION	N.A.D	96°F	97	86	
123	GUJ000240	DHARMENDRA A BHOI	SECURITY	MALE	32	173	75	25.1	130/90	NO ADDICTION	N.A.D	99°F	99	100	
124	13000011	JAVED G ANSARI	PROD.	MALE	23	171	66	22.6	120/80	NO ADDICTION	N.A.D	96°F	99	95	
125	100100	MALEK SALIMMIYA YASINMIYA	H.K	MALE	40	180	57	17.6	128/80	TOBACCO	N.A.D	99°F	99	84	
126	100092	NAGIN S SENVA	PROCESS	MALE	30	169	59	20.7	130/80	MASALA	N.A.D	96°F	99	88	
127	100126	AYUSH P PATEL	LAB	MALE	22	180	60	18.5	120/80	NO ADDICTION	N.A.D	98°F	98	100	
128	100013	SUSHIL F MISHRA	LABOUR SUP	MALE	34	164	60	22.3	120/70	TOBACCO	N.A.D	98.2°F	99	100	
129	100125	KALPESH S BARIYA	H.K	MALE	30	175	47	15.3	130/80	TOBACCO	N.A.D	96°F	99	100	
130	100124	JAYDEEP B PARMAR	H.K	MALE	20	160	62	24.2	120/80	NO ADDICTION	N.A.D	98°F	99	100	
131	100053	SURENDRASINH K DALAWAT	PACKING	MALE	30	173	72	24.1	120/70	NO ADDICTION	N.A.D	97°F	98	92	
132	ST0.....	RAJESH CHAUHAN	STUFFING	MALE	41	173	93	31.1	130/92	MASALA	N.A.D	97°F	98	100	
133	ST01108	VIRBHADRASINH SOLANKI	ADMIN	MALE	27	168	64	22.7	130/80	NO ADDICTION	N.A.D	96°F	99	72	
134	ST00877	SATENDER JHA	LOGISTICS	MALE	28	163	67	25.2	130/90	NO ADDICTION	N.A.D	96°F	99	82	
135	100090	MAHENDRA C PARMAR	H.K	MALE	46	173	54	18.0	130/90	TOBACCO	N.A.D	96°F	99	97	
136	100059	DIGVIJAY J RATHOD	Q.C	MALE	26	172	47	15.9	130/80	NO ADDICTION	N.A.D	96°F	99	93	
137	13000220	MANISH SINGH	MECHANICAL	MALE	25	173	80	26.7	140/80	NO ADDICTION	N.A.D	93°F	99	85	
138	100008	BALKRISHNA G PANDEY	PROD.	MALE	38	169	59	20.7	130/80	NO ADDICTION	N.A.D	94°F	99	93	
139	100089	PANKAJ N PARMAR	PROD.	MALE	33	159	55	21.8	130/90	NO ADDICTION	N.A.D	97°F	99	92	
140	100118	DEEPU S SINGH	MECHANICAL	MALE	34	179	77	24.0	120/90	TOBACCO	N.A.D	98°F	99	94	
141	100088	MOH. ASHRAF I SHAIKH	INSTRUMENT	MALE	25	165	99	36.4	130/80	NO ADDICTION	N.A.D	97°F	98	100	
142	ST01005	DHAVAL P SEVAK	STORE	MALE	26	169	43	15.1	130/80	NO ADDICTION	N.A.D	97°F	98	100	
143	ST01040	VANRAJ B SOLANKI	DRIVER	MALE	32	170	68	23.5	120/80	MASALA	N.A.D	94°F	96	78	
144	13000929	RAJENDER S JHALA	INSTRUMENT	MALE	29	167	71	25.5	120/70	NO ADDICTION	N.A.D	94°F	99	80	
145	100094	SAJIDHUSEN S GHANCHI	ELECTRICAL	MALE	25	173	80	26.7	130/80	NO ADDICTION	N.A.D	98°F	99	82	
146	GUJ000241	PRAVINSINH B VAGHELA	SECURITY	MALE	53	163	62	23.3	120/90	NO ADDICTION	N.A.D	97°F	98	90	
147	100010	YUVRAJ K CHAUHAN	Q.C	MALE	23	164	75	27.9	130/90	NO ADDICTION	N.A.D	98°F	99	78	
148	100009	MAHESH R CHAUHAN	Q.C	MALE	26	170	67	23.2	120/70	MASALA	N.A.D	94°F	99	98	
149	100103	SATENDRA L YADAV	MECHANICAL	MALE	26	163	46	17.3	120/80	NO ADDICTION	N.A.D	98°F	96	86	
150	100105	RAMISHWAR K PASWAN	MECHANICAL	MALE	39	157	47	19.1	130/80	NO ADDICTION	N.A.D	97°F	99	100	
151	13000881	ABHIJEET A KOLHARI	PACKING	MALE	37	170	66	22.8	130/80	NO ADDICTION	N.A.D	98°F	99	102	
152	100110	IRSHAD G SHAIKH	DRIVER	MALE	28	175	86	28.1	130/90	NO ADDICTION	N.A.D	98°F	99	88	
153	100011	PRITESH M JOSHI	PROCESS	MALE	28	168	56	19.8	120/80	NO ADDICTION	N.A.D	96°F	98	96	
154	100122	VIKRAMA N PRASAD	MECHANICAL	MALE	55	158	44	17.6	130/90	TOBACCO	N.A.D	98°F	97	100	
155	100109	TAHIR G SHAIKH	DRIVER	MALE	21	179	64	20.0	120/80	NO ADDICTION	N.A.D	96°F	97	88	
156	100058	MAHAMMADFARHAN K MALEK	Q.C LAB	MALE	19	177	57	18.2	120/70	NO ADDICTION	N.A.D	94°F	99	100	
157	100129	MUKESH M KUMAR	MECHANICAL	MALE	25	167	53	19.0	130/80	NO ADDICTION	N.A.D	98°F	99	97	

Annexure-16

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DR P C JAIN
M.B.BS.,C I H ,FCGP,Industrial Physician

158	100130	RAVINDRA D MEHERA	PACKING	MALE	19	160	49	19.1	120/80	NO ADDICTION	N.A.D	97°F	99	100	
LAB NO.	Emp. Code	NAME	Department	Sex	AGE	HT	WT	BMI	BP	ADDICTION	CLINICAL	TEMP	SPO2	PULSE	DR REMARKS
159	100119	HARENDRA C YADAV	PACKING	MALE	28	167	66	23.7	120/90	NO ADDICTION	N.A.D	97.4°F	98	100	
160	100085	ARPIT R SUTHAR	ELECTRICAL	MALE	27	164	64	23.8	130/90	SMOKING	N.A.D	98.4°F	98	100	
161	100095	HEMANT I VANKAR	ELECTRICAL	MALE	25	158	46	18.4	120/90	NO ADDICTION	N.A.D	97°F	99	84	
162	.....	SATISH BARMAN		MALE	26	164	55	20.4	120/90	TOBACCO	N.A.D	96°F	96	89	
163	.....	DAYARAM BARMAN	CANTEEN	MALE	36	153	71	30.3	130/90	TOBACCO	N.A.D	95°F	96	83	
164	.....	MANGAL BHAI	H.K	MALE	56	161	56	21.6	130/80	NO ADDICTION	N.A.D	97°F	96	100	
165	100148	DEEPAK SINGH		MALE	30	166	59	21.4	120/70	NO ADDICTION	N.A.D	95°F	99	81	
166	100149	AKASH SINGH	MECHANICAL	MALE	21	170	61	21.1	130/90	NO ADDICTION	N.A.D	98°F	99	83	
167	100147	NILESH SINGH	MILL	MALE	25	152	53	22.9	130/90	NO ADDICTION	N.A.D	96°F	97	99	
168	100146	SATYAPRAKASH SINGH	MILL	MALE	33	160	57	22.3	130/80	NO ADDICTION	N.A.D	97°F	98	85	
169	100150	DHANANJAY SINGH	MILL	MALE	18	162	49	18.7	120/80	NO ADDICTION	N.A.D	95°F	96	86	
170	100079	PRAVIN DEVARAM	PACKING	MALE	33	163	57	21.5	130/90	TOBACCO	N.A.D	98°F	98	82	
171	100116	MUKESH KUMAR	PACKING	MALE	22	156	45	18.5	130/70	TOBACCO	N.A.D	98°F	96	83	
172	100042	JORARAM JASARAM	PACKING	MALE	31	174	70	23.1	120/80	TOBACCO	N.A.D	97°F	96	100	
173	100043	GOVIND RAM SODANARAM	PACKING	MALE	27	156	54	22.2	120/90	TOBACCO	N.A.D	98°F	99	100	
174	100162	KALURAM	PACKING	MALE	30	168	60	21.3	130/80	NO ADDICTION	N.A.D	96°F	97	100	
175	100163	SHAITAN JORARAM	PACKING	MALE	22	175	77	25.1	130/90	NO ADDICTION	N.A.D	98°F	97	86	
176	100084	KRUNAL N PATEL	ELECTRICAL	MALE	34	169	50	17.5	130/90	NO ADDICTION	N.A.D	96°F	98	87	

Underweight: BMI is less than 18.5

Normal weight: BMI is 18.5 to 24.9

Overweight: BMI is 25 to 29.9

Obese: BMI is 30 or more

Annexure-16

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J K Cement Limited , (Ahamadabad -Indore Road NH-47, Vadadala-Vill,Balasinor -Gujarat -388255)																DATE: 11 & 12- Nov-2020						
LAB NO.	NAME	AGE	HB	TC	P	L	E	M	PL	BLOOD GROUP	RBS	SGPT	CREAT	PH	SP GR	ALB	S	B	P CELL	E CELL	RBC	DR REMARKS
1	ARUN SHARMA	50	15.5	6300	52	44	02	02	245	"A" NEGATIVE	103	20	0.80	6.0	1.030	NIL	NIL	NIL	2-4	OCC	OCC	
2	SHAHID KHAN	46	15.7	5100	65	23	05	07	375	"O" POSITIVE	208	22	0.90	6.0	1.020	NIL	(++++)	NIL	OCC	OCC	NIL	
3	SHAFIUR REHMAN	47	10.6	6020	65	27	02	06	247	"A" POSITIVE	111	20	0.70	7.0	1.015	(+)	NIL	NIL	OCC	OCC	NIL	
4	INDRASEN SINGH	36	15.5	5500	68	25	03	04	250	"A" POSITIVE	103	28	1.10	7.0	1.025	NIL	NIL	NIL	OCC	NIL	OCC	
5	SAMANT GUPTA	38	16.7	8750	75	23	02	00	239	"B" POSITIVE	155	30	0.80	6.5	1.025	NIL	NIL	NIL	OCC	OCC	NIL	
6	KOTESHWARARAO YEDDU	42	13.1	7200	62	30	03	05	244	"A" POSITIVE	104	20	0.90	7.5	1.010	NIL	NIL	NIL	OCC	OCC	NIL	
7	NEERAJ PALIWAL	52	14.5	6760	66	26	03	05	296	"B" POSITIVE	97	16	0.70	7.5	1.020	NIL	NIL	NIL	OCC	OCC	NIL	
8	SANJEEV KUMAR SINGH	33	15.5	5290	55	38	02	05	178	"O" POSITIVE	101	34	0.90	6.5	1.030	NIL	NIL	NIL	OCC	OCC	NIL	
9	AKSHAY GUPTA	25	14.7	5300	63	29	03	05	271	"A" NEGATIVE	84	15	0.80	7.0	1.005	NIL	NIL	NIL	OCC	NIL	OCC	
10	DUSHYANT SINGH	32	13.8	10100	64	32	03	01	250	"O" NEGATIVE	92	23	0.80	6.5	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
11	JITENDRA CHAUHAN	27	16.5	7610	61	30	03	06	225	"B" POSITIVE	102	23	0.70	6.0	1.025	NIL	NIL	NIL	OCC	NIL	1-2	
12	RIZAVANU R MALEK	32	13.8	9200	65	33	01	01	243	"A" POSITIVE	137	10	1.00	7.0	1.015	NIL	NIL	NIL	OCC	OCC	NIL	
13	RANJIT SINGH RATHORE	30	14.3	6890	49	40	04	07	298	"O" POSITIVE	104	34	0.70	6.0	1.010	NIL	NIL	NIL	OCC	2-5	OCC	
14	MAYANK GUPTA	32	15.1	4760	60	36	02	02	288	"B" POSITIVE	94	28	1.16	6.0	1.010	NIL	NIL	NIL	OCC	OCC	NIL	
15	RAJENDRA SINGH UDAVAT	44	14.7	5130	66	25	03	06	243	"O" POSITIVE	79	18	0.90	6.5	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
16	VIJAY SWAMI	50	14.9	6490	63	33	02	02	376	"B" POSITIVE	161	26	0.60	6.0	1.030	NIL	NIL	NIL	OCC	OCC	NIL	
17	VIJENDRA SHEKHAWAT	35	13.8	8100	53	31	12	04	230	"O" POSITIVE	103	30	1.00	6.5	1.030	NIL	NIL	NIL	OCC	OCC	NIL	
18	RAKESH MEHTA	50	13.3	7900	57	36	03	04	216	"AB" NEGATIVE	99	19	0.90	7.0	1.025	NIL	NIL	NIL	OCC	NIL	OCC	
19	ARJUNA CHARAN PARTHI	29	13.9	7000	63	33	02	02	291	"O" POSITIVE	94	23	0.90	6.5	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
20	KUMAR GAURAW	34	14.4	6010	62	23	12	03	160	"A" POSITIVE	148	34	0.70	6.0	1.010	NIL	NIL	NIL	OCC	OCC	NIL	
21	NARESH KUMAR MEGHWA	39	13.7	7100	59	37	02	02	226	"B" POSITIVE	82	18	1.24	5.0	1.030	NIL	NIL	NIL	OCC	OCC	NIL	
22	VASUDEV BHOI	37	13.6	5400	61	34	02	03	195	"AB" POSITIVE	91	30	1.00	7.5	1.020	NIL	NIL	NIL	OCC	OCC	NIL	
23	SANDEEP HARIJAN	29	12.7	6500	63	33	02	02	190	"B" POSITIVE	118	32	0.80	8.0	1.015	NIL	NIL	NIL	OCC	NIL	NIL	
24	JITENDRA SHARMA	26	13.5	8200	66	27	02	05	289	"O" POSITIVE	84	12	0.70	6.0	1.030	NIL	NIL	NIL	OCC	OCC	NIL	
25	MUKESH RATHOD	26	13.8	7800	66	29	01	04	369	"A" POSITIVE	103	22	0.90	7.5	1.020	NIL	NIL	NIL	2-4	1-2	OCC	
26	PRIYA PRAKASH	44	13.7	6200	64	29	02	05	202	"B" POSITIVE	88	17	0.70	8.0	1.020	NIL	NIL	NIL	OCC	OCC	NIL	
27	AMITBHAI BHANGI	28	13.7	8000	54	41	03	02	341	"O" POSITIVE	97	30	0.80	6.5	1.010	NIL	NIL	NIL	OCC	OCC	NIL	
28	DIPAK KATARIA	28	15.2	7200	63	31	02	04	299	"B" POSITIVE	94	73	0.90	7.0	1.005	NIL	NIL	NIL	OCC	NIL	OCC	
29	AKASH PATEL	26	13.5	9400	50	44	04	02	240	"A" POSITIVE	90	24	0.80	6.0	1.015	NIL	NIL	NIL	OCC	OCC	NIL	
30	ARUNKUMAR DABHI	25	13.3	8000	64	28	02	06	222	"AB" POSITIVE	97	13	0.90	7.0	1.005	NIL	NIL	NIL	OCC	NIL	NIL	
31	MAYUR SOLANKI	23	13.7	9000	75	20	03	02	216	"A" POSITIVE	88	14	0.80	6.5	1.015	NIL	NIL	NIL	OCC	NIL	NIL	
32	ANKIT SINGH	29	13.8	7700	67	29	03	01	243	"A" POSITIVE	90	34	0.90	6.5	1.010	NIL	NIL	NIL	OCC	OCC	NIL	
33	SHIKHAR SINGH	23	13.5	8600	65	24	05	06	208	"B" POSITIVE	104	34	0.80	7.5	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
34	ABHISHEK GUPTA	22	13.8	9800	51	37	05	07	226	"B" POSITIVE	91	26	0.80	7.5	1.025	NIL	NIL	NIL	OCC	OCC	NIL	
35	JIGNESH Y VYAS	43	13.9	5700	66	27	02	05	298	"O" POSITIVE	97	29	0.80	6.0	1.020	NIL	NIL	NIL	OCC	OCC	OCC	
36	RAKESH SINH RAULJI	35	12.9	9100	71	25	02	02	365	"O" POSITIVE	98	36	0.90	6.5	1.030	NIL	NIL	NIL	OCC	OCC	NIL	
37	NITESH CHAURASIYA	28	13.9	4600	54	37	03	06	264	"A" POSITIVE	151	20	0.60	6.0	1.025	NIL	TRACE	NIL	OCC	OCC	NIL	
38	DINESH S PATEL	41	13.8	6200	58	34	03	05	263	"O" POSITIVE	112	18	0.80	7.0	1.025	NIL	NIL	NIL	OCC	OCC	NIL	

Annexure-16

DIVINE OHS SERVICES
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DR P C JAIN
M.B.BS.,C I H ,FCGP,Industrial Physician

LAB NO.	NAME	AGE	HB	TC	P	L	E	M	PL	BLOOD GROUP	RBS	SGPT	CREAT	PH	SP GR	ALB	S	B	P CELL	E CELL	RBC	DR REMARKS
39	NIKUNJ PATEL	23	14.1	4900	48	45	05	02	239	"B" POSITIVE	106	28	1.00	6.0	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
40	JAYDIP R PATEL	26	12.8	7400	53	39	02	06	243	"O" POSITIVE	96	27	0.70	6.0	1.025	(+)	NIL	NIL	OCC	OCC	NIL	
41	JAVIDMIYA MALEK	36	13.2	7600	54	42	03	01	335	"A" POSITIVE	89	28	1.10	6.0	1.015	NIL	NIL	NIL	OCC	NIL	NIL	
42	PRADIP B SOLANKI	30	12.5	7300	52	44	02	02	297	"B" POSITIVE	90	16	0.90	6.5	1.010	NIL	NIL	NIL	OCC	OCC	NIL	
43	ANIL F SENVA	29	13.7	9400	50	45	04	01	261	"O" POSITIVE	115	17	0.70	7.0	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
44	SOHEL S SHAIKH	23	13.9	9000	53	42	03	02	269	"O" POSITIVE	139	24	1.19	6.5	1.010	NIL	NIL	NIL	OCC	OCC	NIL	
45	AJAY SENWA	25	13.3	7700	75	20	03	02	234	"AB" POSITIVE	89	18	0.70	6.0	1.030	NIL	NIL	NIL	OCC	OCC	NIL	
46	SHEKHAR M PRAJAPATI	24	13.5	6600	67	26	02	05	271	"A" POSITIVE	86	24	1.00	7.0	1.005	NIL	NIL	NIL	OCC	OCC	NIL	
47	VIRAL P PATEL	21	12.5	8400	67	28	02	03	195	"B" POSITIVE	97	21	0.80	6.0	1.015	NIL	NIL	NIL	OCC	OCC	NIL	
48	VIJAY PARMAR	29	12.7	8900	58	30	08	04	222	"B" POSITIVE	111	33	1.14	7.0	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
49	VIKRAM CHAUHAN	30	12.3	9700	48	42	08	02	211	"B" POSITIVE	92	39	0.80	8.0	1.010	(+)	NIL	NIL	OCC	OCC	NIL	
50	MAHESH PARMAR	38	13.5	8900	46	44	03	07	190	"B" NEGATIVE	94	28	1.00	6.0	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
51	JAYENDRASINH R TALAR	49	12.5	9300	58	38	02	02	220	"O" POSITIVE	84	26	0.90	6.5	1.020	NIL	NIL	NIL	OCC	NIL	OCC	
52	BHARAT SINGH	26	13.7	4700	58	32	08	02	310	"O" NEGATIVE	99	28	0.90	7.0	1.005	NIL	NIL	NIL	OCC	OCC	NIL	
53	KISHAN N PARMAR	25	13.5	8600	57	33	03	07	241	"A" POSITIVE	108	30	1.00	6.5	1.020	NIL	NIL	NIL	OCC	NIL	OCC	
54	AJAY HARIJAN	26	13.5	8300	47	45	02	06	254	"A" POSITIVE	98	10	0.80	6.0	1.015	NIL	NIL	NIL	1-2	OCC	NIL	
55	RAHUL B VALAND	21	12.8	7500	54	39	03	04	201	"O" POSITIVE	85	23	0.80	7.5	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
56	PRAVIN PATELIYA	28	13.1	9000	58	38	02	02	220	"B" POSITIVE	90	20	0.80	7.0	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
57	NARENDRA PARMAR	28	13.2	6400	57	30	04	09	269	"AB" POSITIVE	84	34	0.60	6.5	1.020	NIL	NIL	NIL	OCC	NIL	OCC	
58	CHINU KATARIYA	37	13.8	4600	50	36	05	09	369	"O" POSITIVE	99	30	1.00	6.5	1.025	NIL	NIL	NIL	OCC	OCC	NIL	
59	DINESH BHANGI	41	13.3	8200	67	28	02	03	216	"O" POSITIVE	104	22	0.80	6.0	1.010	NIL	NIL	NIL	OCC	OCC	NIL	
60	YASH BHOI	23	13.5	7100	59	35	05	01	275	"B" POSITIVE	99	19	1.12	7.0	1.015	NIL	NIL	NIL	OCC	OCC	NIL	
61	AJAY SOLANKI	28	13.2	9800	59	35	04	02	208	"B" POSITIVE	90	24	0.90	6.5	1.020	(+)	NIL	NIL	OCC	OCC	OCC	
62	BHIKHA MEHRA	55	12.7	7000	63	35	02	00	322	"B" POSITIVE	100	27	0.90	6.5	1.005	NIL	NIL	NIL	OCC	NIL	OCC	
63	MAHENDRA ZALA	25	12.9	9100	55	43	02	00	254	"A" POSITIVE	98	30	1.10	5.0	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
64	ALPESH BARIYA	26	12.4	5300	62	35	02	01	275	"O" POSITIVE	94	34	0.80	6.5	1.025	NIL	NIL	NIL	OCC	OCC	NIL	
65	MOH. NESAR ANSARI	28	13.7	6200	66	30	02	02	212	"AB" POSITIVE	85	20	0.90	6.5	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
66	DILIP SINGH	25	13.2	9800	72	25	02	01	259	"A" POSITIVE	101	19	0.90	7.0	1.025	NIL	NIL	NIL	OCC	OCC	NIL	
67	SWATANTRA NARANYAN S	33	13.8	8200	69	26	02	03	242	"B" POSITIVE	110	19	0.70	8.0	1.010	NIL	NIL	NIL	OCC	NIL	1-2	
68	SANJAY SINGH	26	13.9	4600	65	31	02	02	297	"B" POSITIVE	95	23	0.70	6.5	1.005	NIL	NIL	NIL	OCC	OCC	NIL	
69	RAKESH MISHRA	31	13.8	7600	60	32	05	03	237	"O" POSITIVE	89	18	0.90	7.5	1.015	NIL	NIL	NIL	OCC	NIL	NIL	
70	ARJUN SINGH	36	14.1	5700	47	42	04	07	260	"O" POSITIVE	90	33	0.90	6.0	1.020	NIL	NIL	NIL	OCC	OCC	NIL	
71	VIVEK RICHARIA	27	13.9	7300	61	33	03	03	230	"B" POSITIVE	100	23	0.70	6.0	1.030	NIL	NIL	NIL	OCC	NIL	OCC	
72	NIKHIL CHAPARWAL	24	13.2	5400	60	37	02	01	267	"B" POSITIVE	94	29	0.90	7.5	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
73	MAULIK PRAJAPATI	23	14.1	8500	63	28	08	01	225	"A" POSITIVE	98	34	0.90	6.0	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
74	RAKSHESH PATEL	28	13.3	6600	49	45	02	04	226	"AB" POSITIVE	92	20	0.60	6.5	1.030	NIL	NIL	NIL	OCC	OCC	NIL	
75	NASRUDDIN AHMED	33	13.9	7700	46	51	01	02	312	"B" POSITIVE	86	12	0.90	6.5	1.020	NIL	NIL	NIL	OCC	OCC	NIL	
76	ALOK S SINGH	24	13.6	9000	65	31	02	02	206	"B" POSITIVE	90	21	0.80	7.0	1.005	NIL	NIL	NIL	OCC	NIL	NIL	
77	MIRAJ I ALAM	20	13.8	7800	63	31	04	02	211	"AB" POSITIVE	91	18	0.80	6.0	1.020	NIL	NIL	NIL	OCC	OCC	NIL	
78	BASID MALIK	27	14.5	5300	65	31	02	02	345	"A" POSITIVE	101	28	0.70	7.5	1.025	NIL	NIL	NIL	OCC	OCC	NIL	

Annexure-16

DIVINE OHS SERVICES
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DR P C JAIN
M.B.BS.,C I H ,FCGP,Industrial Physician

LAB NO.	NAME	AGE	HB	TC	P	L	E	M	PL	BLOOD GROUP	RBS	SGPT	CREAT	PH	SP GR	ALB	S	B	P CELL	E CELL	RBC	DR REMARKS
79	KRUNAL M PATEL	33	13.8	9000	61	26	04	09	191	"O" POSITIVE	118	32	0.70	6.0	1.025	NIL	NIL	NIL	OCC	OCC	NIL	
80	MUKESH P SENWA	30	13.6	8400	60	35	03	02	242	"O" POSITIVE	94	30	0.90	8.0	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
81	VIPIN JAISWAL	48	15.1	7380	51	44	03	02	417	"B" POSITIVE	212	21	0.80	6.0	1.005	NIL	(+++)	NIL	OCC	OCC	NIL	
82	CHETAN SINH CHAUHAN	23	13.5	9000	58	36	04	02	361	"O" POSITIVE	96	16	0.60	6.5	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
83	RAJU GUPTA	25	13.7	8000	56	40	02	02	226	"B" POSITIVE	102	14	0.80	6.0	1.020	NIL	NIL	NIL	OCC	OCC	NIL	
84	PAWAN SINGH	20	12.9	5000	48	48	02	01	310	"O" POSITIVE	106	28	0.90	7.0	1.025	NIL	NIL	NIL	OCC	OCC	NIL	
85	MD UMAIR	36	13.7	8200	59	36	02	03	223	"A" POSITIVE	99	41	0.90	6.0	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
86	REYAZAHAMAD ANSARI	38	13.8	7500	53	43	02	02	230	"O" POSITIVE	116	25	0.72	5.0	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
87	DHARMENDRA SOLANKI	43	13.8	8200	46	48	04	02	240	"AB" POSITIVE	90	21	0.73	5.5	1.015	(+)	NIL	NIL	OCC	OCC	NIL	
88	PRADIP B SOLANKI	28	14.2	5900	50	45	03	02	254	"O" POSITIVE	102	27	0.90	5.0	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
89	PREM RAM	30	13.8	6700	77	20	02	01	216	"O" POSITIVE	86	23	0.77	5.0	1.015	NIL	NIL	NIL	OCC	NIL	NIL	
90	PARTHASARATHY JAYARA	34	13.9	7300	78	20	01	01	209	"B" POSITIVE	118	33	0.90	6.5	1.010	NIL	NIL	NIL	2-5	OCC	NIL	
91	KIRIT PARMAR	38	14.1	8900	45	48	05	02	216	"B" POSITIVE	96	24	0.82	5.5	1.020	NIL	NIL	NIL	1-2	OCC	NIL	
92	SANJAY RATHORE	32	13.7	9000	54	37	03	06	243	"O" POSITIVE	90	26	0.86	6.0	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
93	DHARMENDRA SINH ZALA	25	13.9	5000	53	40	02	05	195	"A" POSITIVE	100	22	0.69	6.0	1.005	NIL	NIL	NIL	OCC	NIL	NIL	
94	RAVINDRA SINGH	22	12.9	7300	55	41	02	02	195	"B" NEGATIVE	90	25	0.80	5.5	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
95	MOH. NAZIR GHANCHI	21	13.9	8400	61	30	07	02	295	"O" POSITIVE	110	33	0.94	6.5	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
96	PANKAJ PATEL	38	13.7	7200	72	24	03	01	238	"O" POSITIVE	89	57	0.60	5.5	1.015	NIL	NIL	NIL	OCC	NIL	NIL	
97	ISHVAR PATELIYA	30	12.7	9600	51	38	05	06	315	"O" POSITIVE	111	21	0.86	6.0	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
98	MANHAR BARIYA	21	14.2	6800	75	20	03	02	258	"B" POSITIVE	99	33	0.70	6.5	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
99	DURGESH ZALA	24	13.7	5000	55	40	02	03	318	"A" POSITIVE	88	37	0.56	5.0	1.030	NIL	NIL	NIL	OCC	OCC	NIL	
100	ANIF SHAIKH	40	13.9	6500	62	33	02	03	208	"O" POSITIVE	94	45	0.74	6.5	1.030	NIL	NIL	NIL	OCC	OCC	NIL	
101	PRADEEP KUMAR	35	12.9	7600	50	45	02	03	223	"B" POSITIVE	104	20	0.70	7.5	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
102	UGAMSINGH C RAO	31	13.2	8900	60	34	05	01	243	"A" POSITIVE	95	29	0.60	7.0	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
103	RAKESHKUMAR B DHANIYA	27	13.7	8500	62	34	03	01	250	"B" POSITIVE	84	18	0.88	6.5	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
104	PRAKASH S SINGH	30	13.8	9100	62	34	02	02	252	"A" POSITIVE	89	20	0.59	5.0	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
105	ARIPHALI HUSEN KHAN	29	13.4	7700	50	42	04	04	218	"B" POSITIVE	96	41	0.80	7.0	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
106	RAJESH K MEWARA	20	12.7	9400	60	36	02	02	322	"B" NEGATIVE	101	19	0.70	6.0	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
107	NEMA L RAM	43	12.9	5100	58	38	02	02	267	"B" POSITIVE	73	36	0.65	5.5	1.015	NIL	NIL	NIL	OCC	NIL	NIL	
108	SHAHROKH S KHAN	19	13.9	6600	50	45	02	03	163	"B" POSITIVE	88	37	0.85	6.5	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
109	OMARAM N MEGHWAL	22	13.6	9700	60	35	02	03	263	"AB" POSITIVE	82	27	0.93	5.0	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
110	CHATRA G RAM	24	12.7	6400	74	24	01	01	239	"A" POSITIVE	98	31	0.70	5.5	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
111	ANIL B PARMAR	24	13.9	5200	65	31	02	02	266	"O" POSITIVE	93	48	0.77	5.0	1.010	NIL	NIL	NIL	OCC	OCC	NIL	
112	BABUBHAI B BHARVAD	39	14.1	8900	50	45	03	02	298	"O" POSITIVE	98	54	0.69	6.5	1.005	NIL	NIL	NIL	OCC	NIL	NIL	
113	SURESH A SINDHIWA	23	13.9	5000	63	30	04	03	218	"B" POSITIVE	102	28	0.84	5.5	1.015	NIL	NIL	NIL	OCC	NIL	NIL	
114	BABU S PARMAR	40	13.9	6900	71	25	02	02	233	"O" POSITIVE	108	30	0.66	5.0	1.005	NIL	NIL	NIL	OCC	NIL	NIL	
115	ARVIND A PARMAR	40	13.7	5700	65	31	03	01	226	"AB" POSITIVE	92	38	1.13	5.5	1.020	TRAC	NIL	NIL	OCC	OCC	NIL	
116	VIJAYSINH I SODHAPARMA	28	13.5	7460	48	42	05	05	357	"O" POSITIVE	80	29	1.10	6.0	1.010	NIL	NIL	NIL	OCC	OCC	NIL	
117	MAHARUDRASINH J RAULJ	26	13.9	8800	64	30	03	03	240	"A" POSITIVE	94	24	0.90	7.0	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
118	JAGDISH J MEHRA	30	14.2	7600	56	39	03	02	191	"B" POSITIVE	108	19	0.89	5.5	1.025	NIL	NIL	NIL	OCC	NIL	NIL	

Annexure-16

DIVINE OHS SERVICES
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DR P C JAIN
M.B.BS.,C I H ,FCGP,Industrial Physician

LAB NO.	NAME	AGE	HB	TC	P	L	E	M	PL	BLOOD GROUP	RBS	SGPT	CREAT	PH	SP GR	ALB	S	B	P CELL	E CELL	RBC	DR REMARKS
119	SANJAY R THAKUR	31	13.9	8600	69	25	04	02	275	"B" POSITIVE	94	33	0.90	6.0	1.020	NIL	NIL	NIL	2-5	OCC	NIL	
120	ATRIK A PATEL	22	12.7	5600	53	40	04	03	243	"B" POSITIVE	99	26	0.77	5.5	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
121	RITURAJ TRIPATHI	22	13.8	7500	60	32	06	02	219	"B" POSITIVE	80	28	0.66	5.0	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
122	KAMLESH M BHOI	38	13.7	9600	69	27	02	02	201	"B" POSITIVE	186	30	0.82	7.5	1.025	NIL	(+)	NIL	OCC	NIL	NIL	
123	DHARMENDRA A BHOI	32	13.8	8200	48	48	02	02	176	"O" POSITIVE	101	30	0.70	6.5	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
124	JAVED G ANSARI	23	13.9	5700	57	37	02	04	245	"B" POSITIVE	88	23	0.90	7.0	1.025	NIL	NIL	NIL	OCC	2-5	NIL	
125	MALEK SALIMMIYA YASINMIYA	40	12.8	6500	63	24	06	07	209	"O" POSITIVE	90	42	0.74	6.5	1.015	NIL	NIL	NIL	OCC	NIL	NIL	
126	NAGIN S SENVA	30	13.3	9400	58	37	03	02	275	"A" POSITIVE	92	20	0.86	5.0	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
127	AYUSH P PATEL	22	13.8	7500	50	46	02	02	245	"O" POSITIVE	104	27	0.79	6.0	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
128	SUSHIL F MISHRA	34	13.7	4900	52	38	03	07	298	"B" NEGATIVE	100	24	0.93	5.5	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
129	KALPESH S BARIYA	30	12.8	7800	59	40	01	00	216	"O" POSITIVE	90	28	0.91	6.0	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
130	JAYDEEP B PARMAR	20	13.3	6900	60	35	04	01	262	"B" POSITIVE	102	28	0.80	6.5	1.005	NIL	NIL	NIL	OCC	2-5	NIL	
131	SURENDRASINH K DALAWA	30	13.9	8100	59	39	01	01	208	"AB" POSITIVE	99	27	0.93	5.0	1.015	NIL	NIL	NIL	OCC	OCC	NIL	
132	RAJESH CHAUHAN	41	13.7	7400	58	32	08	02	214	"B" POSITIVE	90	35	0.60	5.5	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
133	VIRBHADRASINH SOLANKI	27	13.8	5300	62	33	02	03	263	"B" POSITIVE	102	24	0.73	6.0	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
134	SATENDER JHA	28	14.2	8900	60	32	06	02	233	"B" POSITIVE	87	28	0.64	5.0	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
135	MAHENDRA C PARMAR	46	13.5	6100	60	36	02	02	237	"O" POSITIVE	96	33	0.81	5.5	1.020	NIL	NIL	NIL	OCC	OCC	NIL	
136	DIGVIJAY J RATHOD	26	13.9	7200	60	30	03	07	333	"A" POSITIVE	103	33	1.10	5.0	1.005	NIL	NIL	NIL	OCC	NIL	NIL	
137	MANISH SINGH	25	14.1	8100	70	22	04	04	224	"O" POSITIVE	162	23	0.80	6.5	1.025	NIL	(+)	NIL	OCC	OCC	OCC	
138	BALKRISHNA G PANDEY	38	13.9	6800	62	32	04	02	172	"O" POSITIVE	93	29	0.96	5.0	1.015	NIL	NIL	NIL	OCC	NIL	NIL	
139	PANKAJ N PARMAR	33	13.7	7700	68	28	02	02	289	"B" POSITIVE	80	25	0.99	6.0	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
140	DEEPU S SINGH	34	14.2	9800	55	39	03	03	243	"O" POSITIVE	136	50	0.81	6.5	1.010	NIL	NIL	TRA	OCC	NIL	6-8	
141	MOH. ASHRAF I SHAIKH	25	14.6	5200	75	20	03	02	264	"A" POSITIVE	88	31	0.82	6.0	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
142	DHAVAL P SEVAK	26	12.5	6900	58	38	02	02	233	"A" POSITIVE	96	31	1.00	7.0	1.025	NIL	NIL	NIL	OCC	OCC	NIL	
143	VANRAJ B SOLANKI	32	13.2	8300	45	51	02	02	216	"B" POSITIVE	99	23	0.80	5.5	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
144	RAJENDER S JHALA	29	13.8	6000	62	34	02	02	289	"A" POSITIVE	90	41	0.73	7.0	1.015	NIL	NIL	NIL	OCC	NIL	NIL	
145	SAJIDHUSEN S GHANCHI	25	13.9	8500	66	28	04	02	261	"B" POSITIVE	91	28	0.80	6.5	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
146	PRAVINSINH B VAGHELA	53	13.3	9000	48	48	02	02	223	"A" POSITIVE	86	33	0.82	6.5	1.005	NIL	NIL	NIL	OCC	NIL	NIL	
147	YUVRAJ K CHAUHAN	23	13.8	5100	58	38	02	02	235	"B" POSITIVE	101	33	0.80	5.5	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
148	MAHESH R CHAUHAN	26	13.5	6400	64	35	01	00	193	"AB" POSITIVE	119	26	0.90	6.0	1.025	NIL	NIL	NIL	OCC	2-5	NIL	
149	SATENDRA L YADAV	26	13.2	8100	63	30	04	03	232	"O" POSITIVE	96	30	0.80	5.5	1.030	NIL	NIL	NIL	OCC	NIL	NIL	
150	RAMISHWAR K PASWAN	39	12.5	9300	61	30	03	06	186	"B" POSITIVE	86	38	0.86	6.0	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
151	ABHIJEET A KOLHARI	37	15.2	5500	52	40	01	07	324	"O" POSITIVE	97	38	0.84	6.5	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
152	IRSHAD G SHAIKH	28	14.9	9000	59	31	04	06	241	"O" POSITIVE	88	33	0.90	6.0	1.005	NIL	NIL	NIL	OCC	OCC	NIL	
153	PRITESH M JOSHI	28	13.7	6800	60	34	02	04	202	"B" POSITIVE	81	27	0.80	5.5	1.015	NIL	NIL	NIL	OCC	NIL	NIL	
154	VIKRAMA N PRASAD	55	12.3	7200	59	32	06	03	195	"O" POSITIVE	99	28	0.80	6.0	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
155	TAHIR G SHAIKH	21	13.8	9000	63	28	04	05	234	"O" POSITIVE	93	24	1.00	5.5	1.030	NIL	NIL	NIL	2-5	NIL	NIL	
156	MAHAMMADFARHAN K MAL	19	13.8	6500	75	21	01	03	282	"O" POSITIVE	96	21	0.80	6.5	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
157	MUKESH M KUMAR	25	13.2	8600	52	42	02	04	189	"O" POSITIVE	98	42	1.10	6.0	1.025	NIL	NIL	NIL	OCC	NIL	NIL	

Annexure-16

DIVINE OHS SERVICES
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DR P C JAIN
M.B.BS.,C I H ,FCGP,Industrial Physician

158	RAVINDRA D MEHERA	19	12.8	7400	54	39	02	05	241	"O" POSITIVE	109	28	1.00	5.5	1.030	NIL	NIL	NIL	OCC	OCC	NIL	
LAB NO.	NAME	AGE	HB	TC	P	L	E	M	PL	BLOOD GROUP	RBS	SGPT	CREAT	PH	SP GR	ALB	S	B	P CELL	E CELL	RBC	DR REMARKS
159	HARENDRA C YADAV	28	13.7	6800	64	34	01	01	216	"B" POSITIVE	121	28	0.81	6.0	1.020	NIL	NIL	NIL	OCC	NIL	NIL	
160	ARPIT R SUTHAR	27	13.8	8900	59	34	01	06	245	"B" NEGATIVE	85	33	0.80	5.0	1.005	NIL	NIL	NIL	OCC	NIL	NIL	
161	HEMANT I VANKAR	25	12.9	5900	60	30	04	06	222	"AB" POSITIVE	99	30	1.10	5.5	1.020	NIL	NIL	NIL	OCC	OCC	NIL	
162	SATISH BARMAN	26	12.6	9700	53	39	01	07	250	"B" POSITIVE	101	38	0.87	6.5	1.025	NIL	NIL	NIL	OCC	2-5	NIL	
163	DAYARAM BARMAN	36	13.8	8500	75	20	03	02	310	"AB" POSITIVE	90	34	0.85	5.5	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
164	MANGAL BHAI	56	12.9	9800	63	27	07	02	230	"B" POSITIVE	89	28	0.80	6.0	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
165	DEEPAK SINGH	30	13.8	7900	64	30	03	03	186	"B" POSITIVE	84	30	0.83	5.0	1.005	NIL	NIL	NIL	OCC	NIL	NIL	
166	AKASH SINGH	21	13.7	7900	62	33	02	03	290	"O" POSITIVE	95	37	0.96	6.5	1.010	NIL	NIL	NIL	OCC	NIL	NIL	
167	NILESH SINGH	25	13.5	4430	44	42	06	06	255	"A" POSITIVE	108	23	0.88	5.5	1.020	NIL	NIL	NIL	OCC	OCC	NIL	
168	SATYAPRAKASH SINGH	33	13.8	7600	63	30	04	03	230	"O" POSITIVE	86	10	0.82	6.0	1.030	NIL	NIL	NIL	OCC	OCC	NIL	
169	DHANANJAY SINGH	18	12.8	6600	57	37	02	04	214	"B" POSITIVE	91	10	0.68	6.5	1.005	NIL	NIL	NIL	OCC	OCC	NIL	
170	PRAVIN DEVARAM	33	13.7	4500	63	27	07	03	266	"B" NEGATIVE	88	30	0.82	6.0	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
171	MUKESH KUMAR	22	12.7	9900	48	48	02	02	199	"A" POSITIVE	112	38	0.98	7.5	1.025	NIL	NIL	NIL	OCC	NIL	NIL	
172	JORARAM JASARAM	31	13.5	5200	71	25	02	02	258	"B" POSITIVE	94	18	1.10	6.0	1.015	NIL	NIL	NIL	OCC	NIL	NIL	
173	GOVIND RAM SODANARAM	27	13.8	4700	65	33	01	01	267	"O" POSITIVE	88	24	0.84	7.0	1.020	NIL	NIL	NIL	OCC	OCC	NIL	
174	KALURAM	30	13.8	4600	53	39	02	06	196	"AB" POSITIVE	90	10	0.68	7.5	1.025	NIL	NIL	NIL	OCC	OCC	NIL	
175	SHAITAN JORARAM	22	14.1	8300	66	27	02	05	250	"A" POSITIVE	88	23	0.86	6.5	1.010	NIL	NIL	NIL	2-4	OCC	OCC	
176	KRUNAL N PATEL	34	13.9	5600	68	23	03	06	243	"O" POSITIVE	87	18	0.91	6.0	1.030	NIL	NIL	NIL	OCC	OCC	NIL	

Haemoglobin	13 - 18	gm%
Total WBC Count	4,000 - 10,000	/ Cumm
Random Blood Sugar	Upto 160 mg/dl	
S.G.P.T (ALT)	9 - 49	IU/L
S.Creatinine	M: 0.66 - 1.25,F: 0.52 - 1.04	mg/dl



Royal

Environment Auditing & Consultancy Service

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Annexure-17

Ref. No. : 111/12/2020-21

Date: 31/12/2020

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333,

Vill.: Vadadala,

Ta.: Balasinor, Dist.: Mahisagar

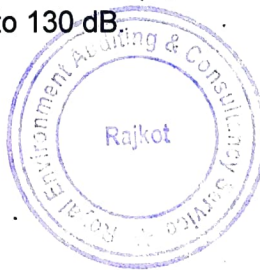
Date of sampling : 21st December 2020

Sr. No.	Location of Sampling	Results Avg. in dB(A)
Permissible Limit for 8:00 Hrs.		90.0 dB
01.	COMPRESSOR ROOM AREA	81.5
02.	CEMENT MILL AREA	77.3
03.	UNLOADING AREA	70.5
04.	PACKING PLANT AREA	73.5

Instruments used : Sound level meter, Model ; SL - 4030 (Lutron Make)

Range : A - 30 to 80 dB, B-50 to 100 dB, C-80 to 130 dB

Calibration Done on : 12/09/2020



Royal Environment Auditing & Consultancy Service

Vishal
Analyst



Royal

Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

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Annexure-17

Ref. No. : 311/03/2020-21

Date : 31/03/2021

WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333,

Vill.: Vadadala,

Ta.: Balasinor, Dist.: Mahisagar

Date of sampling : 20th March 2021

Sr. No.	Location of Sampling	Results Avg. in dB(A)
Permissible Limit for 8:00 Hrs.		90.0 dB
01.	COMPRESSOR ROOM AREA	82.3
02.	CEMENT MILL AREA	78.5
03.	UNLOADING AREA	71.6
04.	PACKING PLANT AREA	75.3

Instruments used : Sound level meter, Model : SL - 4030 (Lutron Make)

Range : A - 30 to 80 dB, B-50 to 100 dB, C-80 to 130 dB.

Calibration Done on : 12/09/2020

Royal Environment Auditing & Consultancy Service



Vishal
Analyst

**Royal****Environment Auditing & Consultancy Service**

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Annexure-17

Ref. No. : 110/12/2020-21

Date: 31/12/2020

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT**Name of company : JK Cement Limited.**

S.no. 1342/3, 1327, 1336, 1334, 1333,

Vill.: Vadadala,

Ta.: Balasinor, Dist.: Mahisagar

Sr. No.	Particulars	Avg. Results in dB(A)	
		Day Time 6:00 AM - 10:00 PM	Night Time 10:00 PM - 6:00 AM
01.	Sampling Time		
02.	Date of sampling	21/12/2020	21/12/2020
03.	Prescribed Limits	75	70

LOCATIONS

01.	Nr. STP Plant Boundary Towards, Eastern Boundary	64.3	54.5
02.	Nr. Project Office (Plant Boundary), North Direction	56.5	52.3
03.	Nr. Sec. Tower (Plant Boundary), South Direction	68.4	58.5

Instruments used : Sound level meter, Model : SL - 4030 (Lutron Make)

Range : A - 30 to 80 dB, B-50 to 100 dB, C-80 to 130 dB.

Calibration done on : 12/09/2020



Royal Environment Auditing & Consultancy Service

Analyst



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Annexure-17

Ref. No. :310/03/2020-21

Date : 31/03/2021

REPORT OF AMBIENT NOISE LEVEL MEASUREMENT

Name of company : JK Cement Limited.

S.no. 1342/3, 1327, 1336, 1334, 1333,

Vill.: Vadadala,

Ta.: Balasinor, Dist.: Mahisagar

Sr. No.	Particulars	Avg. Results in dB(A)	
		Day Time 6:00 AM - 10:00 PM	Night Time 10:00 PM - 6:00 AM
01.	Sampling Time	20/03/2021	20/03/2021
02.	Date of sampling	75	70
03.	Prescribed Limits		

LOCATIONS

01.	Nr. STP Plant Boundary Towards, Eastern Boundary	63.5	55.3
02.	Nr. Project Office (Plant Boundary), North Direction	55.8	53.2
03.	Nr. Sec. Tower (Plant Boundary), South Direction	64.8	55.8

Instruments used : Sound level meter, Model : SL - 4030 (Lutron Make)

Range : A - 30 to 80 dB, B-50 to 100 dB, C-80 to 130 dB.

Calibration done on :12/09/2020



Royal Environment Auditing & Consultancy Service

Vishal
Analyst

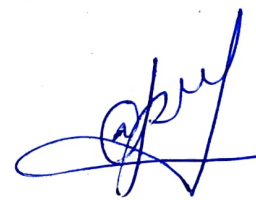
J.K.CEMENT WORKS BALASINOR .				
Village: Vadadala, Tehsil: Balasinor, District: Mahisagar (Gujarat)				
AMBIENT NOISE LEVEL MONITOIRNG DATA				
Month	Day / Night	NEAR STP PLANT BOUNDARY TOWARDS EAST DIRECTION	NEAR PROJECT OFFICE PLANT BOUNDARY TOWARDS NORTH DIRECTION	NEAR SECURITY TOWER PLANT BOUNDARY TOWARDS SOUTH DIRECTION
Oct-20	Day	63	64	61
	Night	58	55	54
Nov-20	Day	63	64	63
	Night	57	54	53
Dec-20	Day	66	63	62
	Night	58	55	53
Jan-21	Day	63	63	65
	Night	55	53	54
Feb-21	Day	63	65	65
	Night	56	55	54
Mar-21	Day	64	65	66
	Night	56	56	56
Average	Day	64	64	64
	Night	57	55	54


Shikhar Singh
Monitored By


Naresh Meghwal
Reviewed by

J.K.CEMENT WORKS BALASINOR ,							
WORK ZONE NOISE LEVEL MONITOIRNG DATA							
Sr.No.	Month	Day / Night	COMPRESSOR ROOM AREA	CEMENT MILL AREA	UNLOADING AREA	PACKING PLANT AREA	Near DG set
1	25-Oct-20	Day	81.00	77.00	70.50	73.50	-
2	20-Nov-20	Day	81.50	78.00	71.00	73.00	-
3	19-Dec-20	Day	82.00	77.00	70.00	74.00	-
4	25-Jan-21	Day	81.00	77.00	71.00	73.00	-
5	20-Feb-21	Day	82.00	78.00	72.00	74.00	-
6	19-Mar-21	Day	82.00	76.00	70.00	74.00	-
Average		Day	82	77	71	74	-


 Shikhar Singh
 Monitored By


 Naresh Meghwal
 Reviewed by