

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

Dated: 20.11.2019

Ref. No.: BL/EMD/MoEF/2019-20/F 01/002

To.

Regional Office (WZ),

E-5, Kendriya Paryavaran Bhawan, E-5, Arera Colony, Link Road-3,

Ravi Shankar Nagar

BHOPAL - 462 016

E-Mail: rowz[dot]bpl-mef[at]nic[dot]in

Subject: Half Yearly (Dec' 2019) Environmental Clearance Compliance Report of our Proposed 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.

As per Environment Clearance vide letter No. SEIAA/GUJ/EC/3(b)/463/2019, dated 25.03.2019 to JK Cement Works for Proposed Clinker Grinding Unit capacity 1.0 MMTPA at Village: Vadadala, Taluka: Balasinor, District: Mahisagar (Gujarat). Please find enclosed herewith the copy of Half Yearly (Dec' 2019) Environmental Clearance Compliance Status Report for your ready reference. The Proposed Clinker Grinding Unit is under construction.

Environment Clearance Condition No. 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 1st June and 1st December of each calendar year.

Please find the above for your ready reference.

Thanking you,

Yours faithfully, For JK Cement Works

GM (Environment, Projects)

Encl.: 1. Copy of Environmental Clearance compliance Status Report.

Copy to:

- 1. Member Secretary, Gujarat Pollution Control Board, Paryawaran Bhawan, Sector- 10 A, Gandhi Nagar (Gujarat). E. mail: ms-gpcb@gujarat.gov.in
- 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

Units:



Corporate & Registered Office: Kamla Tower, Kanpur - 208 001 (U.P.) INDIA Phone: +91-512-2371478 to 81 • Fax: +91-512-2399854 • E-mail: ho.grey@jkcement.com

J. K. Cement Works, Nimbahora

J. K. Comont Works, Mangrol

J. K. Cement Works, Gotan

J. K. Cement Works, Jharll

J. K. Power, Bamania

J. K. Cement Works, Muddapur

J. K. White Cement Works, Gotan

J. K. White Katni



Environmental Clearance Conditions Half Yearly Compliance Report (April- Sept.' 2019)

M/s. J.K. Cement Works for setting up a stand-alone 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

Note: Project work (Civil construction, Mechanical & E& I) start from 01.04.2019 and likely to be commissioned by May' 2020.

C. No.	S. No.	Name of Compliance	Action
Α	CONDI	TIONS:	
A.1	SPECIF	FIC 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.
	2.	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by Greenc 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.	Agreed & Noted. EIA report of the project prepared by Yuva Enviro Experts, Ahmedabad was submitted by project proponent. Not, Greenc india Consulting Private Limited, Ghaziabad
	3,	Complete Zero Liquid Discharge (ZLD) status shall be maintained all the time and there shall be no drainage connection from the premises.	Agreed & Noted.
	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.	JKCW submitted the copy vide letter No. BL/EMD/MoEF/ 2019- 20/F01/001, dated: 27.06.2019. Please refer the same.
	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.	Agreed & Noted.
	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 system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	We will be install Continuous Emission Monitoring System (CEMS) /Opacity Monitor) at Cement Mill Stack and connected to GPCB and CPCB online servers before Cement Production.
	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.	
	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.	Agreed & Noted.
	9.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and	Schedule-I species not found in the study area. So, no need for

	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).	preparation of Conservation Plan & Wildlife Management Plan.
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.	Agreed & Noted. We will be start the monitor fugitive emissions in the plant premises after plant operation.
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.	Agreed & Noted. We will implement after plant operation.
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.	JKCW will be install Continuous Emission Monitoring System (CEMS) /Opacity Monitor) at Cement Mill Stack and connected to GPCB and CPCB online servers before Cement Production.
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.	Agreed & Noted. We will start the monitor fugitive emissions in the plant premises after plant operation.
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.	JKCW will be provide efficient Air Pollution Control (APC) system for all the dust generating points.
15.	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.	JKCW will be provide covered transportation and conveying system for raw material & closed bulkers for carrying fly ash.
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.	JKCW ensured that the Ambient Air Quality parameters maintain and conform to the norms prescribed by the Central/State Pollution Control Board.
17.	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.	Agreed & Noted.
18.	All the issues raised in the public hearing shall be comprehensively addressed / complied with in a time bound manner.	Agreed & Noted. JKCW submitted the copy vide letter No. BL/EMD/MoEF/ 2019-

								Please refer	
A.2	WATE	R:							
	19.	300 Kl garder water be me from 0	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.			ge for fresh shall ssion this	dated: 28.	OC No. ORIG/2019/5430, 05.2019.	
	20.		shall be no industrial rge from the propose			eneration	& no	JKCW ensured waste water ge scharge from F	
	21.	shall treated	stic wastewater gene be treated through a d sewage shall be reu premises.	adequate	e capa	acity STF	and Do	mestic wastev not more tha	vater generation an 30 KLD.
	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.			ning / nises.	Agreed &	& Noted.		
	23.		Unit shall provide buffer water storage tank of adequate capacity for storage of treated waste water during rainy				Agreed &	& Noted,	
		The company shall harvest rainwater from the roof the building to recharge the ground water and to us same water for the various activities of the projecton of the surfactors, pre-treatment must be done to remove suspending the surfactors.			top of				
	24.	the bu same conse off, pr	ilding to recharge the water for the variou rve fresh water. Befo e-treatment must be	e ground is activit re recha	l water ties of arging t	and to us the projethe	ect to rai		•
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		6	Packing Unit No.1	PM	30	Bag Filter
		7	Packing Unit No.2	PM	30	Bag Filter
			JKCW Ag	reed & Note	ed for all con	ditions in S. No.27.
	28.	unit ma also to the air p	Dive-mentioned measures by explore the possibilities achieve the better results collution control norms parts of Control Board (GPCB).	s of other lat s & better co rescribed by	test devices mpliance of	JKCW Agreed & Noted.
	29.	The Reproper	verse Pulse Jet Bag Filte metallic casing, adequate ing requirement facility.	rs shall be p		JKCW will be provided the Bag Filters & adequate stack height with monitoring facility
	30.	shall be	sign the air pollution con e validated by the repute e fabricated, erected ar ce and supervision of the	ed institutes nd commissi	and APCEs oned under	JKCW Agreed & Noted.
	31.	The AP achieve outlet.	CM shall be operated effective the norms prescribed	iciently and e by the GP0	effectively to CB at stack	JKCW Agreed & Noted.
	32.	mitigate	c enclosure shall be pro the noise pollution and s or air and noise emission	shall conform		JKCW Agreed & Noted.
	33.		ents of adequate height vailing norms for flue ga			JKCW Agreed & Noted.
	34.	the eq provide control	king facility of the pollution uipment(s) to which it d in such a manner that equipment(s) not working wwn automatically.	is attached in the even	should be tof pollution	JKCW Agreed & Noted
Ÿ	35.	pollutio	r periodic preventive r n control systems shall l on phase.			JKCW Agreed & Noted.
	36.	The a evaluat	pplicant shall carry o tion of the air pollution co buted institute and furnish Gujarat Pollution Control	ntrol equipm the reports i	ents through in this regard	JKCW Agreed & Noted.
	37.	ambier confirm authori Safety time to	gitive emission in the wont air quality shall be moning to the standards presentes including Director as well as Gujarat Pollowing indicated to reduce the fugitive extension of the standard of the standard in the standard	itored. The e cribed by the of Industrial ution Control tive guidelir	mission shall e concerned Health and I Board from	JKCW will be monitored fugitive emission in the work zone area and ambient air quality with emission confirm to the standards prescribed by the concerned authorities.
		a) Enc	losure shall be provid pading operations.		loading and	JKCW Agreed & Noted.
		b) Wat	ter shall be sprayed on a odically to retain some m gypsum to reduce the fu	oisture in top	layer except	JKCW Agreed & Noted.
			ransfer points shall be fu			JKCW Agreed & Noted.
		sha	umulated dust on the gr Il be removed / swept reg r sweeping.			JKCW Agreed & Noted.
		pro veh	rnal roads shall be eit perly to reduce the f icular movement.	ugitive emi	ssion during	JKCW Agreed & Noted
			e company shall install ad raction system to control			

		various material handling areas. (eg. 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.	
	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.	JKCW Agreed & Noted.
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.	JKCW will be obtained Hazardous Waste Authorization from the GPCB handling for collection / treatment / storage / disposal.
	40.	Used oil shall be sold only to the registered recycler.	JKCW Agreed & Noted.
i.	41.	The cement dust collected from the different Air Pollution Control Equipments and other collection systems shall be reutilized in the plant itself.	JKCW will be reutilized the cement dust of APC collection system.
A.5	SAFE	TY:	
	42.	Proper ventilation shall be provided in the work area.	JKCW will be provided proper ventilation in the working area.
	43.	Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.	JKCW will be provided proper Personal Protective Equipments (PPE's) to workers and its usage shall be ensured and supervised.
	44.	First Aid Box shall be made readily available in adequate quantity in the unit.	JKCW will be provided First Aid Box readily available in adequate quantity in the 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.	Ambient air monitoring and it's records will be maintain on regularly in work zone for concentrations of cement dust & silica dust etc.
	46.	Occupational health surveillance of the workers shall be done and its records shall be maintained. Preemployment and periodical medical examination for all the workers shall be undertaken on regular basis as per Factories Act & Rules.	Pre-employment and periodical medical examination with records for all the workers will be undertaken on regular basis as per Factories Act & Rules.
	47.	All necessary safety measures shall be taken to avoid any kind of accident.	JKCW will be taken all necessary safety measures to avoid any kind of accident.
	48.	Training shall be imparted to all the workers on safety and health aspects.	JKCW will be provided training & Tool Box Talk (TBT) imparted to all the workers on safety and health aspects.
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,	JKCW will be maintain noise level within prescribed standards in and around the plant area by

		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.	providing noise control measures on all sources of noise generation. The ambient noise levels will be the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.
A.7	CLEA	NER 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.	JKCW Agreed & Noted.
	51.	Efforts shall be made to use more fly ash in cement manufacturing without compromising the quality of the cement.	JKCW will be try to use of max. fly ash as per BIS norms.
A.8	GREE	N 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.	JKCW will be develop green belt 33% with cover entire periphery of the 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.	JKCW will be develop green belt within the plant premises as per CPCB guidelines. If the adequate land is not available within the premises the plantation at suitable open land on road sides in nearby locality or schools in consultation with the Gram Panchayat / Concerns.
A.9	OTHE	R 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.	JKCW Agreed & Noted.
	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.	JKCW will not be use of spray dryer.
	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 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.	JKCW submitted the copy vide letter No. BL/EMD/MoEF/ 2019- 20/F01/001, dated: 27.06.2019. Please refer the same.

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.	JKCW Agreed & Noted.
58.	All the recommendations of the Corporate Responsibility of Environment Protection (CREP) shall be strictly followed.	JKCW Agreed & Noted,
59.	All the recommendations made in the EIA / EMP report of the project submitted by the project proponent shall be implemented effectively.	JKCW Agreed & Noted
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.	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.	JKCW Agreed & Noted.
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.	JKCW Agreed & Noted.
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.	JKCW Agreed & Noted.
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.	JKCW Agreed & Noted.
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.	JKCW Agreed & Noted.
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.	JKCW Agreed & Noted.
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.	Please refer 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	No. additional condition imposed by SEAC or SEIAA.

	the SEIAA or any other competent authority for the purpose of the environmental protection and management.	
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.	JKCW are sending the Environment Clearance conditions compliance status report regularly.
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.	JKCW Agreed & Noted
71.,	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	JKCW Agreed & Noted
72.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	JKCW Agreed & 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.	JKCW Agreed & 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.	JKCW was start the project work from 01.04.2019 and work in progress.
75.	This environmental clearance is valid for seven years from the date of issue.	JKCW Agreed & 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.	JKCW have not received any appeal against this Environment Clearance within stipulated time.
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.	JKCW Agreed & Noted.

Yours faithfully, For JK Cement Works

GM (Environment, Projects)