State Level Environment Impact Assessment Authority, Rajasthan

4, Institutional Area, Jhalana Doongri, Jaipur-302004

Phone: 0141-2705633, 2711329 Ext. 361

No. Fl.(4) SEIAA/SEAC-Raj/Sectt/Project / Cat. 7(d) B1 (15230)/ 16-17 Jaipur, Dated: 2 2 NOV 2U17

M/s. Bangur Cement Unit, Post Box no. 33, Bangur Nagar, Andheri Deori, Beawar, District, Ajmer (Raj.) – 305901.

Sub:-Environmental Clearance for "Bangur Cement Unit "(A unit Of Shree Cement Ltd)" near Village-Rohi, Udaipur-Udasar, District-Sri Ganganagar, Rajasthan Project Capacity:- 5.5 Million TPA

This has reference to your application dated 23.01.2017seeking environmental clearances for the above project under EIA Notification 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification 2006 on the basis of the mandatory documents enclosed with the application viz. the questionnaire, EIA, EMP and additional clarifications furnished in response to the observation of the State Level Expert Appraisal Committee Rajasthan, in its meeting held on 9-10.10.2017

2. Brief details of the Project:

1.	Category/Item No. (in Schedule):	Category "B", S. No. 3 (Material Production), Project Activity '3 (b)' Cement Plants							
2.	Location of Project	Village: Rohi Udaipur-Udasar, Tehsil: Suratgarh, District: Sri-Ganganagar (Rajasthan)							
3.	Project Details Land use Break up	S. No.	Particulars	Area (Acres)	Percentage (%)				
	use Break up	1.	Plant Area	36.2	47.97 %				
	,	2.	Roads/Corridors	9.5	12.59 %				
		3.	3. Plantation 25.79		34.19 %				
		4.	Open Area	3.96	5.25 %				
		Total		75.45	100 %				
4.	PRODUCTS: Cement (OPC & PPC) PROCESS IN BRIEF Clinker storage & handling Fly Ash & Pond Ash storage & handling Gypsum storage & handling Cement production and storage Coal and Petcoke storage, handling, grinding and hot air Cement packing & dispatch PLANT CAPACITY Clinker Grinding Unit - 5.5 Million TPA DG Set (MW)- 1250 KVA {(1000 KVA / 2 x 500 KVA) + 250 KVA}								
5.	Raw Materials	Clinker,	Gypsum and fly ash wil	l be used as raw m	aterials.				
	requirement (In case of								
	more than one product Raw material for each	1	Clinker		3.3-5.22				
	Naw material for each		/v						

	product should be specified)	3	-71				÷	0.27 1.93			\exists	
6.	Solid waste /hazardous waste quantities and		☐ Dust collected from various pollution control equipments like Bag house, Bag filters etc. will be recycled in to the process.									
	management		 □ Sludge generated from STP will be used as manure for greenbelt development / plantation. □ A small quantity of used oil will be generated from plant machinery / gear box and D.G set as hazardous waste which will be sold out to the CPCB 									
7.	Use of substances or	a	authorized recyclesuch substances of	er.			1	1				
	materials which are hazardous											
8.	Project Cost		Rs. 425 Croreș									
9.	Water Requirement & Source	The which	The water requirement for proposed Clinker Grinding Unit will be 200 KLD which will be sourced from Ground water.									
10.	Fuel & Energy	Pow	Fuel- Coal / Petcock (0.027/0.02 MTPA) Power- 19.5 MW, Source- Rajasthan Vidyut Vitaran Nigam Limited (RVVNL)									
11.	Environment Management Plan	and D.G. Sets (for back-up) Cost for Environment Management Plan Capital Cost - Rs. 8.0 Crores										
	along with Budgetary breakup		ecurring Cost - I			annum					1 1	
	бгеакир	S. Description						Capital		Recurring		
		N								200	Cost/Year (Rs in lacs)	
		0.	-8						lacs)		ii iacs)	
110	Visit Adams of the	1 Air Pollution Control						600.00 27.00)		
		2 Water Pollution Control and						50.00 2.00)	1	
Link		1	Rain Water Harvesting Mesures									
		3	Noise Pollut		ontrol	Harry.	10,63	5.0		1.00		- 25
		4	Environment		-	000	-	20.0	0_	-5.00	-	5-
		Monitoringandmanagement 5 Green Belt Development						15.0	<u> </u>	2.00		ł
	S **!.							15.00 2.00 11000 3.00			-	
		6 Other (Housekeeping and						3.00)		
		Vacuum Sweeping Machine) Total					_	800.00 40.00			0	1
12.	CSR Activities along	Total	Rs. 1062.5 Lacs		een all	ocated	for C					s.
	with budgetary	S					41				J. J. J. J. L.	
	breakup		Major	1 st	2 nd	3 rd	h	5 th	s th	to 15 th	Total	
		N	Major Projects	Ye	Ye	Yea	Y	Year	1	to 15 Year	Total Amour	
		0	Projects	ar	ar	r	ea	,	l '	cai	Amoun	``
		. r									_	
		HE	ALTH & FAMI	LYW	ELFA	RE PR	OGF	RAMMES	S			
	Sec.		Health check							41	li Be	
12	State 2		camp in local villages,									
T.			Contribution									
	100		in existing		400						-	
- 1	THE RESERVE TO SERVE THE PARTY OF THE PARTY	1	Heath centers,	7.0	8.0	8.0	11	11.0	١,	110.0	155.0	
			Improvement	7.0	0.0	0.0	.0	11.0	'	10.0	155.0	
1		6	in existing									
	1- 19- N		medical and		100			,				
			health centres of local area		- 31				-			
	150		etc.					r'				
		EO	UCATION PRO	MOT	ION P	ROGI	RAMI	MES	-			-
		1										

2	Renovation of water tank in Birmana Village; Furniture, one water cooler and development of tank in Govt. Primary school in Udaipur village etc.	·	10. 5	11.5	13 .0	17.0	170.0	231.5	
C	CONTRIBUTION	N RE	LIGIO	OUS &	soc	IAL PRO	GRAMME	S	
	Contribution in religious festivals, Melas e.g.	7 7 7 7							
3	Local fares and sports activities; Contribution for various programmes which organized by other social groups & samitis such as Mass	6.0	6.0	9.0	9.	11.0	110.0	151.0	
C	COMMUNITY IN	RAS	rruc	TURE	DEV	ELOPMI	ENT PROJI	ECTS	
4	Development of community Centre, road etc., Greenbelt development, Rain water harvesting	25. 0	28.	31.0	34 .0	37.0	370.0	525.0	

		Rajiyasar Station; Renovation of Moksh Dhamsheds work, Drinking Water facility etc. in near-by villages.				•					
	ETP	Total	47. 5	52. 5	59.5	67	76	760	1 1 1 1		
		No industrial waste water will be discharged from cement grinding unit, hence, no requirement of ETP. RO reject water will be used for mill spray. Domestic waste water generated from office toilets and guest house will be disposed off in soak pit and septic tanks until the completion of project work. STP will be installed after completion of project work and treated water will be used for greenbelt									
14.	Green Belt /Plantation	development / plantation. After installation of the project, 33% (i.e. 10.15 ha / 24.9 acres) of the total project area will be developed under greenbelt/ plantation.									
15.	Budgetary Breakup for Labour	Facilities for labours i.e. Rest Shelters, Sanitation facility, Safe drinking water facility, Periodical medical checkups / Health facility of labours with ambulance and First aid facility etc will be provided at site. Budgetary Breakup for Labour are as follows: Particular Budget (in									
			Budget (in Lacs)/annum								
		Rest Shelters for lab	1.00								
		Sanitation facility (2	0.50								
	de statut	Education for laborable children of female la	0.25								
L		Safe drinking water	0.25								
		Periodical medical of	0.30								
		First aid facility at s	0.20								
			2.50								

3. The SEAC Rajasthan after due considerations of the relevant documents submitted by the project proponent and additional clarifications/documents furnished to it have recommended for Environmental Clearance with certain stipulations. The SEIAA Rajasthan after considering the proposal and recommendations of the SEAC Rajasthan hereby accord Environmental Clearance to the project as per the provisions of Environmental Impact Assessment Notification 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

PART A: SPECIFIC CONDITIONS

I. CONSTRUCTION PHASE

- 1. The production capacity of the industry is 5.5 Millian TPA cement.
- The Water Requirement for the project shall not exceed 200 KLD. The water will be obtained from ground water supply. No ground water extraction shall be permitted without prior permission of the CGWA
- 3. The PP shall achieve the stack emission standards and ambient air standards as notified under E.P. Rules, 1986
- 4. The height of the stack for disbursement of the process emissions shall not be less than 30 mtrs from ground level.
- 5. The PP shall operate the unit with prior Consent to Establish and Consent to Operate under the provisions of Water (Prevention & Control of Pollution) Act' 74 and Air (Prevention & Control of Pollution) Act' 81.
- 6. The particulate matter and gaseous emissions (SOx, NOx, CO, CO2, etc) from various processes/ units/storages shall conform to the standards prescribed by the RPCB/CPCB or under the Environment (Protection) Rules' 86 from time to time.
- 7. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any

other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry / unit / project proponent. 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

8. At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the unit shall immediately put off operation and shall not restart until the control measures are rectified to achieve the desired efficiency.

9. An amount of Rs 2.5 Lacs per year should be used for housing of labor within the site with all necessary infrastructure and facilities such as health facility, sanitation facility, and fuel for cooking, along with safe drinking water, medical camps, and toilets for women, crèche for

- 10. The PP shall install adequate dust collection and extraction system to control fugitive dust emissions at loading/unloading points and at all the transfer points. For source emission control, bag filters shall be provided on clinker hopper, cement silo, fly ash silo, elevator; packer; cement transport equipment etc which will also contribute to reduce fugitive emissions. The fugitive emissions during loading and unloading shall be suitably controlled. Fugitive dust emissions from ball mill and storage areas shall be collected in bag filters and recycled back to the process. Storage of raw material shall be in closed roof sheds. Water sprinkling arrangement shall be made in the raw material stock yard and cement bag loading areas.
- 11. Ambient air quality monitoring stations shall be set up in consultation with RPCB in the down wind direction as well as where maximum ground level concentration of PM₁₀ & PM_{2.5}., SOx, NOx, CO, CO2, are anticipated.
- 12. Air emission sampling facilities shall be provided for the emissions monitoring as per the Central Pollution Control Board guidelines, in consultation with RPCB.
- 13. Data on ambient air quality and emissions shall be submitted to RPCB once in six months carried out by MOEF/NABL/CPCB/Government approved lab.
- 14. Construction activity in areas that requires Wild Life Clearance(if any) should be taken up only after obtaining Wild Life Clearance from NBWL
- 15. The E.C. is subjected to the specific condition that the PP shall obtain prior clearance form forestry and wild life angle including clearance from standing committee of National Board of Wild Life as applicable. It is further categorically stated that grant of EC does not necessary implies that forestry and wild Life clearance shall be granted to the project and that proposals for forestry and wild Life clearance will be considered by the respective authorities on their merits and decision taken. The investment made in the project, if any based on EC so granted, in anticipation of clearance form forestry and wild Life angle shall be entirely at the cost risk of the PP and MOEF shall not be responsible in this regard in any manner.
- 16. The Company shall provide stacks of adequate height to the 2/3 nos. of D.G. Sets of 1250 kVA(1*1000/2*500KVAand 1 of 250 KVA) along with acoustic enclosures for noise control as per CPCB guidelines. The DG Sets shall comply with the norms notified under Environment (Protection) Act, 1986.
- 17. Fugitive dust emissions shall be controlled as per relevant guidelines issued by CPCB.

18. The PP shall provide separate drainage and outlets for the management of storm water.

- Handling, manufacture, storage and transportation of hazardous chemicals shall be in accordance with the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 (amended till date).
- 20. The PP shall take adequate measures for the control of noise so as to keep the noise levels below 85 Db in the work environment. Persons working near the machines should be provided with well-designed ear muffs/plugs and other personnel protective equipments.

21. Suitable alarm system and standard procedure for transmitting the information on the occurrence of an accident to the proper focal point shall be established.

22. Efforts shall be made to increase green belt all around the premises. Native plant species shall be selected for this purpose in consultation with the local Forest Department A green belt development plan be prepared and implemented so as to cover at least 33% area of the plot size.

- 23. A qualified person in the field of environment or separate Environmental Management Cell shall be established to implement and carry out various functions is set up under the control of a Senior Executive who will report directly to the head of the project.
- 24. As envisaged under the Environmental Management Plan, the PP shall earmark an amount of Rs. 8.00 Crores towards initial capital cost and Rs. 40 Lacs towards annual recurring cost of implementing the Environmental Protection Measures. The funds earmarked for the environmental protection measures shall be kept in separate account and shall not be diverted for other purposes and year wise expenditure shall be reported to RPCB under the rules prescribed for environmental audit.
- 25. Implementation of the environmental safeguards like fire fighting, water harvesting etc. along with socio economic measures like group insurance, free medical facilities, ESI/EPF facilities to the employees as envisaged under the Environmental Management Plan; details are to be submitted to the Rajasthan Pollution Control Board, at the time of applying for consent to establish/operate.
- 26. As committed the PP shall earmark an initial amount of Rs. 1062.5 Lacs for implementing various activities under CSR action plan. The activities would include proposed Drinking Water facilities', providing Toilets & Urinals and First aid facility in Schools, and maintenance of these facilities. Item wise break up in this regard may be submitted to RPCB at the time of applying for CTE.
- 27. The PP shall ensure that, the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.
- 28. Six monthly compliance status reports on project along with implementation of environmental measures shall be submitted to MoEF, Regional Office, Lucknow, SEIAA, and Rajasthan State Pollution Control Board.
- 29. All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by PP from the competent authority.
- 30. The PP shall ensure advertising in at least two local news papers widely circulated in the region, one of which shall be in vernacular language that, the project has been accorded environmental clearance and copies of the clearance letters are available with SEIAA, Rajasthan and the Rajasthan State Pollution Control Board and may also be seen on the website of the Board at www.rpcb.nic.in. The advertisement shall be made within 7(seven) days from the date of issue of the environmental clearance and a copy shall also be forwarded to the SEIAA, Rajasthan and Regional Office, Jaipur(S) of the Board.
- 31. These stipulations would also be enforced amongst the others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification' 06.
- 32. Environment clearance is subject to final order of the Honb'le Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition(Civil) No. 460 of the year 2004 as may be applicable to this project.
- 33. The SEIAA, Rajasthan reserves the right to add new conditions, modify/annual any of the stipulated conditions and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Rajasthan or any other competent authorities is not satisfactory.

II. OPERATION PHASE

- 1. An independent expert shall certify the installation of the Sewage Treatment Plants (STP) and a report in this regard shall be submitted to the RPCB, before the project is commissioned for operation. Discharge of treated sewage shall conform to the norms & standards of the Rajasthan State Pollution Control Board.
- 2. Adequate measures shall be taken to prevent odor from solid waste processing and STP.
- 3. Proper system of channelizing excess storm water shall be provided.
- 4. Rain Water harvesting (RWH) for roof top run-off and surface run-off, as planned shall be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The Rain Water Harvesting plan shall be as per GoI manual.

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- 5. The proposals on the energy conservation measures confirming to energy conservation norms finalized by Bureau of Energy Efficiency shall be implemented.
- 6. The power factor shall be maintained near unity.
- 7. Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for a portion of the apartments shall be provided.
- 8. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking shall be fully internalized and no public space shall be utilized.
- 9. Regular and periodic mock drills shall be undertaken by the fire department at least once in a year.
- 10. The D. G. sets to be operated with stack height as per EP Act, 1986 along with acaustic elclosure.
- 11. Incremental pollution loads on the ambient air quality noise and water quality shall be periodically monitored after commissioning of the project and report to be submitted to RPCB.
- 12. The solid waste generated shall be properly collected & segregated before disposal to the City Municipal Facility. The in-vessel bio-conversion technique may be used for composting the organic waste.
- 13. Any hazardous waste including biomedical waste shall be disposed of as per applicable Rules & norms with necessary approvals of the Rajasthan State Pollution Control Board.
- 14. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The proposed open space inside the plot shall be suitably landscaped and covered with vegetation of indigenous variety.
- 15. Trees and shrubs of local species shall be planted to allow habitat for birds with appropriate distance from the boundary.
- 16. The SEIAA, Rajasthan reserve the right to add new conditions, modify/ annual any condition and/or to revoke the clearance if implementation of any of the aforesaid condition/other stipulations imposed by competent authorities is not satisfactory. Six monthly compliance status report of the project along with implementation of environmental measures shall be submitted to MoEF, Regional Office, Lucknow, SEIAA, Rajasthan & RPCB, Jaipur.

B. GENERAL CONDITIONS

- 1. The environmental safeguards contained in Form 1-A shall be implemented in letter and spirit.
- 2. Six monthly monitoring reports shall be submitted to SEIAA, Rajasthan and Rajasthan State Pollution Control Board.
- 3. Officials of the RPCB, who would be monitoring the implementation of environmental safeguards, shall be given full cooperation facilities and documents/data by the PP during their inspection. A complete set of all the documents submitted to SEIAA, Rajasthan shall be forwarded to the DoE, Rajasthan and Rajasthan State Pollution Control Board.
- 4. In case of any change(s) in the scope of the project, the PP requires a fresh appraisal by SEIAA/SEAC, Rajasthan.
- 5. The SEIAA/SEAC, Rajasthan reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environment (Protection) Act-1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- 6. All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by PP from the competent authority.
- 7. The PP shall ensure advertising in at least two local news papers widely circulated in the region, one of which shall be in vernacular language that, the project has been accorded environmental clearance and copies of the clearance letters are available with SEIAA, Rajasthan and the Rajasthan State Pollution Control Board and may also be seen on the website of the Board at www.rpcb.nic.in. The advertisement shall be made within 7(seven) days from the date of issue of the environmental clearance and a copy shall also be forwarded to the SEIAA, Rajasthan and Regional Office, Jaipur(S) of the Board.

- 8. These stipulations would also be enforced amongst the others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and ElA Notification' 06.
- 9. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the proponent, if it is found that construction of the project had been started without obtaining environmental clearance.
- 10. The Environmental Clearance is subject to the specific condition that the PP shall obtain prior clearance from forestry and wild life angle including clearance from Standing Committee of the National Board Wild Life if applicable. It is further categorically stated that grant of EC does not imply that forestry and wild life clearance shall be granted to the project and that their proposals for forestry and wild life clearance will be considered by the respective authorities on their merits and Decision taken. The investment made in the project, if any, based on environment clearance so granted, in anticipation of the clearance from forestry and wildlife angle shall be entirely at the cost and risk of the project proponent and Authority or Ministry of Environment & Forests shall not be responsible in this regard in any manner

(Rajesh Kumar Grover) Member Secretary, SEIAA, Rajasthan.

No. F.1 (4)/SEIAA/SEAC-Raj/ Sectt/Project / Cat. 7(d) B1 (15230)/ 16-17 Jaipur, Dated: Copy to following for information and necessary action:

- 1. Secretary, Ministry of Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-1 10003.
- 2. Addl. Chief Secretary, Environment Department, Rajasthan, Jaipur.
- 3. Smt. Alka Kala, Chairperson, SEIAA, Rajasthan, 69-A, Bajaj Nagar Enclave, Jaipur
- 4. Sh. Sankatha Prasad, (IFS Retd.), 250, Gomes Defence Colony, Vaishali Nagar, Jaipur.
- 5. Member Secretary, Rajasthan State Pollution Control Board, Jaipur for information & necessary action and to display this sanction on the website of the Rajasthan Pollution Control Board, Jaipur.
- 6. Secretary, SEAC Rajasthan.
- 7. The CCF, Regional Office, Ministry of Environment & Forests, RO(CZ), Kendriya Bhawan, 5th Floor, Sector 'H', Aliganj, Lucknow-226 020.
- 8. Environment Management Plan- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
- 9. Programmer, Department of Environment, Government of Rajasthan, Jaipur with the direction to upload the copy of this environmental clearance on the website.

M.S. SEIAA (Rajasthan)