

State Level Environment Impact Assessment Authority, Rajasthan
4, Institutional Area, Jhalana Doongri, Jaipur-302004
Phone: 0141-2705633, 2711329 Ext. 361

No.FI(4)/SEIAA/SEAC-Raj/Sectt/Project /Cat 3(b)B1/(367)/11-12

Jaipur, Dated: 28.12.12

M/s J.K. White Cement Works,
 GOTAN – 342902,
 District- Nagaur (Raj.).

Sub:- EC for proposed expansion of production capacity of J.K. White Cement Works, Gotan, Tehsil-Merta, District-Nagaur.

Sir,

This has reference to your application dt. 02.05.2011 seeking environmental Clearance for the above project under EIA Notification 2006 on the basis 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 Committee Rajasthan, in its meetings held on 23/24.6.11, 20/21.9.12, 25/26.10.12 & 18/19.12.12.

2. Brief details of the Project:

1.	Item No. in the list of Schedule / Category:	3(b) B-1					
2.	Location of Unit	(a) Located inside the existing campus of unit in Khasra no. 1896, 1911, 1919 & 1923 in village Gotan, Tehsil-Merta, District Nagaur. (b) Project Site lies in the G.T. sheet no. 45F/10.					
3.	Total Area	34.54 ha. (area of existing plant & no additional land required for expansion)					
4.	Product & Capacity	(Unit= TPA)					
		Product	Existing Capacity	Proposed Expansion	Total Capacity after expansion		
		Cement	3,80,000	2,38,000	6,18,000		
		Clinker	3,68,600	2,31,400	6,00,000		
5.	Expected Cost	Rs. 151.51 Crores Additional cost.					
6.	Water Requirement & Source:	(Unit= KLD)					
		Industrial Use	Domestic Use	Green Belt	Total Water Requirement		
		705	187	155	1050		
		Source: Ground Water through tube wells. CGWA permission available for total 1,050 KLD withdrawal.					
7.	Fuel & Energy	(a)	Construction Load from 132 KV supply		600 kVA average		
		(b)	Availability- Demand Load (11 MW from AVVNL) and captive TPP(7.5 MW)		18.5 MW		
		(c)	Fuel not required for project expect for transportation.				
		S. No.	Particulars	Existing	Sanctioned		
		1	Regular demand	6000 KVA (KW)	11000 KVA (KW)		
		2	Open access demand	4450 (KW)	4450 (KW)		
		3	Stand by demand	0.0 KVA	0.0 KVA		
8.	Environment Management Plan:	Expenditure on Environmental Measure :- (Rs. in Lacs)					
		S. No	Particulars	Capital Cost		Annual recurring cost	
				Existing	Proposed	Existing	Proposed
		1	Pollution Control	--			80
		2	Pollution Monitoring	--	Up-gradation of ESP and bag house		30
		3	Occupational Health	--			10
		4	Green Belt	--			20
		5	STP	--			20
			Water spraying	--			40
			Total		300/-	150/-	200/-
9.	Solid Waste Management	Solid waste	Existing quantity	After Expansion Quantity	Management		
		Cement Kiln dust	1.32 t/day	2.14 t/day	The dust will be reused as kiln feed.		
		Sludge from STP	98 kg/day	98 kg/day	Used as manure		
		Spent Oil (Cat. 5.1)	35 KL/A	35 KL/A	Will be sold to authorized vendor or reused		
		Waste residue oil (Cat 5.2)	33 KL/A	33 KL/A	Will be sold to authorized vendor or reused.		

		(Rs. in Lacs)			
10	CSR Activities	S. No.	Activities	Budget	
				Capital cost	Recurring cost for 3 years
		1	Women Empowerment	50.00	150.00
		2	Installation of R.O. plant in Talanpur Village	50.00	10.00
		3	Regular Health Monitoring of School Children	1.25	3.75
		4	Post Project Social Monitoring	5.00	15.00
			Total	106.25	178.75
11	Green Belt	The green belt is proposed to be developed within the project area and around the periphery of Project plant. Different kinds of strategies will be necessary for developing green belt around different components of the projects.			

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:

A: SPECIFIC CONDITIONS

- i. The production capacity of the industry for Cement Manufacturing & Clinker Grinding shall not exceed 12,18,000 TPA.
- ii. The Water Requirement for domestic, industrial and plantation usages shall not exceed 1050 KLD. The demand of water fulfilled from ground water as per permission of CGWA withdrawal of water 1050 KLD.
- iii. The PP shall achieve the stack emission standards and ambient air standards as notified under E.P. Rules, 1986 (including CREP guidelines)
- iv. The height of the stack for disbursement of the process emissions shall not be less than 30 mtrs from ground level.
- v. 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.
- vi. 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.
- vii. The particulate matter and gaseous emissions (SO_x, NO_x, 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.
- viii. At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the unit shall immediately put off operation and shall not restart until the control measures are rectified to achieve the desired efficiency.
- ix. Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided to control emissions within 50 mg/NM³ by installing adequate air pollution control system like bag filters, dust collectors etc. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically
- x. 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.
- xi. The project proponent shall submit an Air pollution control plan indicating various sources of air pollution, their emission rate, the control established and details of controls etc.
- xii. 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}, SO_x, NO_x, CO, CO₂, are anticipated.
- xiii. Portholes and sampling facilities shall be provided for the stacks emissions monitoring as per the Central Pollution Control Board guidelines. Stack emissions shall be monitored in consultation with RPCB.
- xiv. Data on ambient air quality and stack emissions shall be submitted to RPCB once in six months carried out by MOEF/NABL/CPCB/Government approved lab.

- xv. Fugitive dust emissions shall be controlled as per relevant guidelines issued by CPCB.
- xvi. The PP shall provide separate drainage and outlets for the management of storm water.
- xvii. 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).
- xviii. The PP shall take adequate measures for the control of noise shall be taken so as to keep the noise levels below 85 dBA in the work environment. Persons working near the machines shall be provided with well-designed ear muffs/plugs and other personnel protective equipments.
- xix. Suitable alarm system and standard procedure for transmitting the information on the occurrence of an accident to the proper focal point shall be established.
- xx. 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.
- xxi. 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.
- xxii. As envisaged under the Environmental Management Plan, the PP shall earmark an amount of Rs. 300.00 lacs towards initial capital cost and Rs. 200.00 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.
- xxiii. 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.
- xxiv. The PP has proposed an amount of Rs. 106.25 Lacs as capital cost and Rs. 178.75 lacs for recurring cost against CSR. The expenditure on these activities shall be reflected in the books of account when presented for auditing of accounts. Detailed action plan of CSR activities shall be submitted by the PP to RSPCB/SEIAA at the time of applying for "Consent to Establish".
- xxv. The Plantation should be at a spacing of 5 x 5 and about 1600 trees per ha. be planted.
- xxvi. 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.
- xxvii. Six monthly compliance status reports on project along with implementation of environmental measures shall be submitted to MoEF, Regional Office, Lucknow and Rajasthan State Pollution Control Board.
- xxviii. 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.
- xxix. 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.
- xxx. 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.
- xxxi. 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.
- xxxii. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the proponent, if it was found that construction of the project has been started without obtaining environmental clearance.
- xxxiii. Environment clearance is subject to final order of the Hon'ble 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.
- xxxiv. 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 reports on project along with implementation of environmental measures shall be submitted to MoEF, Regional Office, Lucknow, SEIAA Rajasthan & RPCB.

B. GENERAL CONDITIONS

1. The environmental safeguards contained in Form I-A shall be implemented in letter and spirit.

2. Six monthly monitoring reports shall be submitted to 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 EIA Notification' 06.
9. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the proponent, if it was found that construction of the project has been started without obtaining environmental clearance.
10. 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.

Yours faithfully

sd-
(Sankatha Prasad)
Member Secretary
SEIAA Rajasthan

Copy to following for information and necessary action:

1. Secretary, Ministry of Environment and Forest, Govt., of India, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi.
2. Addl. Chief Secretary, Environment Department, Rajasthan, Jaipur.
3. Smt. Alka Kala, Chairman, SEIAA, Rajasthan, 69-A Bajaj Nagar Enclave, Jaipur
4. Shri Moti Lal Daima, Member, SEIAA, Rajasthan, 48/9, Moti Path, Mansarovar, 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 State Pollution Control Board, Jaipur.
6. Secretary, SEAC Rajasthan.
7. The CCF, Regional Officer, Ministry of Environment & Forests, RO (CZ), Kendriya Bhawan, 5th Floor, Sector "H", Aliganj, Lucknow- 226020.
8. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi - 110003
- ✓ 9. Nodal Officer (Department Website), Department of Environment, Government of Rajasthan Jaipur with the request to upload the copy of this environmental clearance on the website.

by
M.S. SEIAA (Rajasthan)