State Level Environment Impact Assessment Authority, Rajasthan

4, Institutional Area, Jhalana Doongri, Jaipur-302004
Phone: 0141-2705633, 2711329 Ext. 361

No: F1 (4)/SEIAA/SEAC-Raj/Sectt/Project/Cat 3(b) B1 (202) /08-09 Jaipur, Dated: 30 APR 2010

To,

M/s JCL Cement Pvt. Ltd
F-67 & 68-A, G-1-89,
RIICO Industrial Area,
Behror,
Alwar

Sub: EC for proposed expansion cement manufacturing unit of "JCL Cement Pvt. Ltd." based on VSK technology at # F-67 & 68-A, G-1-89, RIICO Industrial Area, Behror, Alwar.

Sir,

This has reference to your application dated 20.07.09 seeking 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 Committee Rajasthan, in its meetings held on 25/26.2.10.

2. **Brief details of the Project:**

1.	Category: -	"B-1"
2.	Item No.(in the Schedule):-	3 (b)
3.	Location of Industry/Project	Plot No. F-68, B-70 & F- 67 & 68 A, G-89, RIICO Industrial Area, Behror (District Alwar)
4.	Total Area	11,350.6 M^2
5.	Product & Capacity	Cement (OPC) – Expansion of Production Capacity from 50 to 200 TPD.
6.	Expected Cost: -	Rs. 488.00 lakhs (as per page-3, of section-1 of EIA Report) Note:- The Project Report attached at Annexure-III indicates total project cost as Rs. 392.50 lakhs.
7.	Water Requirement & Source	Water Requirement (in KLD)

Item	Existing	After Expansion
Domestic	1.0	3.0
Industrial	6.0	24.0
Plantation	2.0	(1.0) *
TOTAL	9.0	27.0

*Not Added in total as this requirement will be met from out of 2 KLD wastewater (to be generated after domestic use).

Source:-

(1) Existing:- Tankers supply from nearby villages.

(2) After Expansion:- Water supply from RIICO.

8. Fuel & Energy :

(1) Existing Power Load and Future Requirement

Existing	After Expansion	Total After Expansion
450 kVA	800 kVA	1250 kVA

(2) Power supply stepped down from 33 kV line of JVVNL to 11kV before supply in plant area.

(3) One transformer already installed in the premises –Capacity 600 kVA.

(4) One additional transformer proposed for installation in the premises-capacity 1500 kVA

(5) Power factor 0.956.

(6) No D.G. Set is required.

9. Environmental Management Plan

The PP has suggested various mitigation measures to address issues related to Air, Water & Noise environment, Solid Waste disposal, Energy conservation and Socio Economic aspects. He has proposed funds for different item as indicated below:-

Particulars	Capital Cost (Rs.)	Recurring Cost (Rs.)
Air Pollution Control	8,50,000	85,000
Water Pollution Control	1,70,000	17000
Noise Pollution Control	95,000	9,500
Environment Monitoring and Management	1,00,000	10,000
Occupational Health	60,000	6,000
Green Belt	50,000	5,000
Socio Economic	75,000	7500
TOTAL	**14,00,000**	**1,40,000**

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. The earlier expected cost of the project reported by the PP is Rs. 488.00 lakhs (as per page-3, of section-1 of EIA Report) whereas in the Revised Document submitted by the PP, the total project cost (after expansion) has been mentioned as Rs.392.50 lacs i.e. Rs.3.925 crores in EIA Report, Section-1, page-3 and Environment Pollution Load Statement (for Expansion of production capacity) has also been enclosed at Annexure –D in the Document. This variation/mismatch shall be rectified by the PP at the time of applying for Consent to establish to the RPCB.

ii. The PP has not furnished any information regarding obtaining prior EC from MoEF for the existing 50 TPD capacity of producing Ordinary Portland Cement (clinker grinding only). The status in this regard may be clarified and copy of the EC granted, if any, by the MoEF may be provided.

iii. The production capacity of the industry for Cement (OPC) shall not exceed to 200 TPD, limited to 66,000 MT/year.

iv. The Water Requirement for domestic, industrial and plantation usages shall not exceed 27 KLD. The water supply shall be obtained from RIICO or other sources. No ground water extraction shall be permitted without prior permission of the CGWA.

v. The PP shall achieve the stack emission standards and ambient air standards as notified under E.P. Rules, 1986 (including CREP guidelines)

vi. The height of the stack for disbursement of the process emissions shall not be less than 30 Mtrs from ground level.

vii. 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.

viii. The particulate matter and gaseous emissions (SO_x, NO_x, CO, CO_2, 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.

ix. 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.

x. Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided to control emissions within 50 mg/NM^3 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

xi. 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.

xii. 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.

xiii. 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 PM_{10} & $PM_{2.5}$, SO_x, NO_x, CO, CO_2, are anticipated.

xiv. 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.

xv. 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.

xvi. Fugitive dust emissions shall be controlled as per relevant guidelines issued by CPCB.
xvii. The PP shall provide separate drainage and outlets for the management of storm water.
xviii. 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).
xix. 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.
xx. Suitable alarm system and standard procedure for transmitting the information on the occurrence of an accident to the proper focal point shall be established.
xxi. 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.
xxii. 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.
xxiii. 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.
xxiv. 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.
xxv. A sum of rupees at least equal to 1% of the total project cost may be kept earmarked for socio economic uplift activities of the area particularly in the area of habitat, sanitation , health or education, and spend prior to receiving of CTE , and thereafter 1% of annual profit in the balance as recurring cost shall be provided. Item wise break up in this regard may be submitted to RPCB at the time of applying for CTE.
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.

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. Principal Secretary, Environment Department, Rajasthan, Jaipur.
3. Shri S.C. Derashri, Chairman, SEIAA Rajasthan, 90, Geejgarh Vihar, Hawa Sarak, Jaipur.
4. Shri R.S. Bhandari, Member, SEIAA Rajasthan, 2- Museum Road, Ram Niwas Bagh, Jaipur.
5. Member Secretary, Rajasthan State Pollution Control Board, Jaipur.
6. Member 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. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.

M.S. SEIAA (Rajasthan)