State Level Environment Impact Assessment Authority, Rajasthan  
4, Institutional Area, Jhalana Doongri, Jaipur-302004  
Phone: 0141-2705633, 2711329 Ext. 361  
No. F1 F1 (4)/SEIAA/SEAC-Raj/Sectt/Project / Cat. 3(b)/B1 (15228)/ 16-17  Jaipur, Dated: 21 DEC 2017

To  
M/S Jindal Shakti Cement,  
B-17, Ganga Sagar,  
Vaishali Nagar, Jaipur

Sub:-EC for proposed 50 MTPD standalone clinker grinding unit "Jindal Shakti Cement" at E-10, Bapi Industrial Area, Village- Bapi, Tehsil - Dausa, District-Dausa, Rajasthan.

This has reference to your application dated 19.01.2017 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 Appraisal Committee Rajasthan, in its meeting held on 8 & 9.11.2017

2 Brief details of the Project:

<table>
<thead>
<tr>
<th>1. Category/Item No. (in Schedule):</th>
<th>Category “B” under item 3(B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Location of Project</td>
<td>E-10, Bapi Industrial Area, Village- Bapi, Tehsil &amp; District- Dausa, State-Rajasthan</td>
</tr>
<tr>
<td>3. Project Details Land use Break up</td>
<td>Proposed 50 MTPD Cement plant (A Standalone Clinker Grinding Unit)</td>
</tr>
</tbody>
</table>

### Proposed Land Use Breakup

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Particulars</th>
<th>Area (sq.m.)</th>
<th>Percentage (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Main Plant</td>
<td>1350.00</td>
<td>32.37</td>
</tr>
<tr>
<td>2</td>
<td>Material Storage &amp; Office Block</td>
<td>156.00</td>
<td>3.74</td>
</tr>
<tr>
<td>3</td>
<td>Ele. Mtr., Guard &amp; Workers Room</td>
<td>32.00</td>
<td>0.78</td>
</tr>
<tr>
<td>4</td>
<td>Green Belt Area</td>
<td>1534.00</td>
<td>36.78</td>
</tr>
<tr>
<td>5</td>
<td>Open and Road Area</td>
<td>1098.00</td>
<td>26.33</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>4170.00</td>
<td>100</td>
</tr>
</tbody>
</table>

4. Salient features regarding products and process in brief including Plant Capacity.

The proposed project is clinker grinding unit for manufacturing of 50 MTPD Cement.

5. Raw Materials requirement (In case of more than one product Raw material)

Clinker, Fly ash and gypsum will be required as raw material. Details of raw material is showing as below table:

### Raw Materials Required

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Particulars</th>
<th>Consumption (TPD)</th>
<th>Storage (TPD)</th>
<th>Mix ratio (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>PPC</td>
<td>OPC</td>
<td>PPC</td>
</tr>
<tr>
<td>1</td>
<td>Clinker</td>
<td>31.5</td>
<td>46.5</td>
<td>60</td>
</tr>
<tr>
<td>2</td>
<td>Fly ash</td>
<td>16.5</td>
<td>-</td>
<td>34</td>
</tr>
<tr>
<td>3</td>
<td>Gypsum</td>
<td>2</td>
<td>3.5</td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>50</td>
<td>50</td>
<td>100</td>
</tr>
</tbody>
</table>
6. Solid waste/haz. waste quantities and management
   No hazardous waste will be generated and Max. 4.0 KG per day non hazardous waste will be disposed off at earmarked area of Industrial area

7. Use of substances or materials which are hazardous
   No

8. Project Cost
   Total project Cost: 131.0 Lacs

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Amount (in Lacs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land</td>
<td>46.00</td>
</tr>
<tr>
<td>Building</td>
<td>45.00</td>
</tr>
<tr>
<td>Plant &amp; Machinery</td>
<td>40.00</td>
</tr>
<tr>
<td>Total</td>
<td>131.00</td>
</tr>
</tbody>
</table>

   Maximum 3.0 KLD water will be required during operational phase and will be met out from the existing bore well and also purchased from outside for drinking purposes.

10. Fuel & Energy
    Electricity- 120 KVA, Source- JVVNL

11. Environment Management Plan along with Budgetary breakup
    Budgetary provision for implementation of proposed EMP as given below:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Particulars</th>
<th>Capital Cost in Rs.</th>
<th>Recurring Cost in Rs./Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Air pollution Control</td>
<td>6,75,000</td>
<td>50,000</td>
</tr>
<tr>
<td>2.</td>
<td>Water pollution Control</td>
<td>75,000</td>
<td>5,000</td>
</tr>
<tr>
<td>3.</td>
<td>Noise pollution Control</td>
<td>50,000</td>
<td>5,000</td>
</tr>
<tr>
<td>4.</td>
<td>Environment Monitoring</td>
<td>----</td>
<td>1,00,000</td>
</tr>
<tr>
<td>5.</td>
<td>Green Belt</td>
<td>50,000</td>
<td>10,000</td>
</tr>
<tr>
<td>6.</td>
<td>Rain Water Harvesting</td>
<td>1,50,000</td>
<td>30,000</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>10,00,000</td>
<td>2,00,000</td>
</tr>
</tbody>
</table>

12. CSR Activates along with budgetary breakup
    Budgetary provision of Rs.1.0 Lac per annum earmarked for implementation of CSR activities as given below:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Activity</th>
<th>Area/Location</th>
<th>Details</th>
<th>Capital Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Education</td>
<td>Govt. Primary School of Bapi and surrounding villages</td>
<td>Distribution of Learning materials Toilets maintenance</td>
<td>35,000</td>
</tr>
<tr>
<td>2</td>
<td>Skill Development</td>
<td>Surrounding village/year</td>
<td>Training will be organised in association of industrial association or local NGO</td>
<td>25,000</td>
</tr>
<tr>
<td>3</td>
<td>Health and Sanitation</td>
<td>Surrounding one village/year</td>
<td>Medical camp will be organized in association of industrial association</td>
<td>40,000</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td></td>
<td>1,00,000</td>
</tr>
</tbody>
</table>

13. CETP
    Not Applicable

14. Green Belt/Plantation
    1534.0 Sq. Mtr (36.78%) land will be utilised for greenbelt development and proposing about 110 No's of trees on earmarked area.
    60 saplings have already planted of local species
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:

1. The EC is granted for clinker grinding unit for manufacturing of 50 MTPD Cement.
2. The Water Requirement for the project shall not exceed 3.0 KLD. The water will be obtained from existing bore well and also purchased from outside for drinking purposes. 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 50,000 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, creche for infants.
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 PM_{10} & PM_{2.5}, SOx, NOx, CO, CO_{2} 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/SEIAR shall not be responsible in this regard in any manner.

16. Fugitive dust emissions shall be controlled as per relevant guidelines issued by CPCB.

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

18. 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).

19. 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 muffsl/plugs and other personnel protective equipments.

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

21. 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 36.78% area of the plot size.

22. 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.

23. As envisaged under the Environmental Management Plan, the PP shall earmark an amount of Rs. 10 Lacs towards initial capital cost and Rs. 2 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.

24. 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.

25. As committed the PP shall earmark an amount of Rs. 1. Lacs per annum 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.
26. 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.

27. 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.

28. 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.

29. The PP shall ensure advertising in at least two local newspapers 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.

30. 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.

31. 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.

32. 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.

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 newspapers 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 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. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project / Cat. 3(b) B1 (15228)/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.
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.
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)