

**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.5(a)B1/(435)/11-12

Jaipur, Dated: **28 DEC 2012**

**M/s Jubliant Industries Ltd.,**  
 Village: Singhpur (Rashmi Road),  
 The. Kappasan Distt.,  
 Chittorgarh Rajasthan- 312207.

**Sub:-** EC for Expansion of SSP Production Capacity from existing 800 TPD to 1000 TPD & Expansion of GSSP from 400 TPD to 1000 TPD by adding a New GSSP Unit of 600 TPD capacity, Plot no 1233,1234,4050/1234, 1235 & 1243, Singhpur (Rashmi Road) Kapanas Chittorgarh Rajasthan – 312207.

Sir,

This has reference to your application dt. 29.12.2011 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 26.3.12 & 18/19.12.12.

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

|    |  |  |                          |                                       |   |                                       |  |  |
|----|--|--|--------------------------|---------------------------------------|---|---------------------------------------|--|--|
| 1. | Item No. in the list of Schedule / Category: | 5(a)B1   |                          |                                       |   |                                       |  |  |
| 2. | Location of Unit                             | Plot no 1233,1234,4050/1234, 1235 & 1243, Singhpur (Rashmi Road) Kapanas Chittorgarh Rajasthan   |                          |                                       |   |                                       |  |  |
| 3. | Total Area                                   | 13.23 ha.  |                          |                                       |   |                                       |  |  |
| 4. | Product & Capacity                           | S.N  | Existing capacity in TPD | Proposed capacity in TPD              | Capacity after expansion TPD                  |                                       |  |  |
|    |  | 1  | 800 SSP                  | 200 SSP                               | 1000 SSP                                      |                                       |  |  |
|    |  | 2  | 400 GSSP                 | 600 GSSP                              | 1000 GSSP                                     |                                       |  |  |
| 5. | Expected Cost                                | Product  |                          | (Cost of expansion in Crores)         |   |                                       |  |  |
|    |  | 1. Single Super Phosphate  |                          | -                                     | 15.0  |                                       |  |  |
|    |  | 2. Granulated Single Super Phosphate   |                          | -                                     | 15.0  |                                       |  |  |
|    |  | Total  |                          | -                                     | 30.0  |                                       |  |  |
| 6. | Water Requirement & Source:                  | 1. Existing ground water requirement   |                          | -                                     | 191 m <sup>3</sup> /day                       |                                       |  |  |
|    |  | 2. Proposed ground water requirement   |                          | -                                     | 215 m <sup>3</sup> /day                       |                                       |  |  |
|    |  | Total  |                          | -                                     | 268 m <sup>3</sup> /day                       |                                       |  |  |
|    |  | Permission from ground water withdrawal from CGWA vide letter no. 21-4 (50) / WR/CGWA/2006-1937 dt. 27.01.2009 - 583 m <sup>3</sup> /day |                          |                                       |   |                                       |  |  |
| 7. | Fuel & Energy                                | Consumption(Unit/day)  |                          |                                       |   |                                       |  |  |
|    |  | S.N  | Description              | Existing (SSP 800 TPD & GSSP 400 TPD) | For - I Phase ( GSSP from 400 TPD to 800 TPD) | For - II Phase (SSP/GSSP to 1000 TPD) |  |  |
|    |  | 1  | SSP plant                | 18400                                 | 18400(No increase)                            | 23000                                 |  |  |
|    |  | 2  | GSSP plant               | 8000                                  | 16000   | 20000                                 |  |  |
|    |  |  | Total                    | 26400                                 | 34400   | 43000                                 |  |  |
|    |  | Fuel Used  |                          |                                       |   |                                       |  |  |
|    |  | S  | Description              | Equipment Name                        | Name of Fuel                                  | Consumption (TPD)                     |  |  |
|    |  | N  |                          |                                       |   | Existing (SSP 800 TPD & GSSP 400 TPD) | For - Phase (GSSP from 400 TPD to 800 TPD) | For - II Phase (SSP/ GSSP to 1000 TPD) |
|    |  | 1  | SSP Plant                | Furnace                               | Furnace Oil                                   | 2                                     | 2 (No increase)                            | 2.5                                    |
|    |  | 2  | GSSP Plant               | HAG                                   | Coal  | 20                                    | 40   | 50                                     |
|    |  |  | Total                    |                                       |   | 22                                    | 42   | 52.5                                   |

|    |                                |  |                        |                    |                    |                                       |  |                                       |
|----|--------------------------------|--|------------------------|--------------------|--------------------|---------------------------------------|--|---------------------------------------|
|    |                                | 1. Furnish oil for SSP unit - 0.5 TPD<br>2. Coal for HAG - 30 TPD<br>3. Additional electricity required for expansion - 16600 unit/day |                        |                    |                    |                                       |  |                                       |
| 8  | Hazardous Waste Generation     | S<br>N   | Description            | Category           | Mode Treatment     | Generation                            |  |                                       |
|    |                                |  |                        |                    |                    | Existing (SSP 800 TPD & GSSP 400 TPD) | For - Phase (GSSP from 400 TPD to 800 TPD) | For - II Phase (SSP/GSSP to 1000 TPD) |
|    |                                | 1  | Silica Sludge          | 17.1               | Reuse/ Recycle     | 0.8 TPD                               | 0.8 TPD                                    | 1 TPD                                 |
|    |                                | 2  | Waste Oil              | 5.1                | Reused             | 202.4 TPD                             | 2.4 TPA                                    | 2.5 TPA                               |
|    |                                | Industry proposed to Zero Effluent Discharge.  |                        |                    |                    |                                       |  |                                       |
| 9  | Environment Management Plan :- | The total capital investment for pollution control is Rs. 40.00 lacs.  |                        |                    |                    |                                       |  |                                       |
| 10 | Green Belt Development:        | The project proposed to develop plantation in at least 35% of its area so as to preserve the environment.                              |                        |                    |                    |                                       |  |                                       |
| 11 | CSR Activities                 |  |                        | Amount in Rs. Lacs |                    |                                       |  |                                       |
|    |                                | S. no.   | Activity               | 2011-12            | 2012-13 (budgeted) | 2013-14 (estimated)                   | (budget)                                   |                                       |
|    |                                | 1  | Health Care            | 1.20               | 1.75               | 2.00                                  |  |                                       |
|    |                                | 2  | Education              | 1.92               | 2.92               | 3.00                                  |  |                                       |
|    |                                | 3  | Training / Livelihood  | 5.2                | 8.3                | 9.00                                  |  |                                       |
|    |                                | 4  | Other Community Work   | 9.6                | 11.3               | 12.00                                 |  |                                       |
|    |                                | 5  | Project implementation | 2.8                | 3.6                | 4.00                                  |  |                                       |
|    |                                | Total  |                        | 20.7               | 27.8               | 30.00                                 |  |                                       |

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 shall be limited to production of Single Super Phosphate (Powder) SSP 800 TPD to 1000 TPD, Single Super Phosphate (Granulated) GSSP 400 TPD to 1000 TPD.
- ii The total working days will be 325 as envisaged; the PP shall ensure the implementation of the commitments in respect of addressing Environmental and Social issues. The PP shall ensure providing 35% area of the total plant area under green cover.
- iii 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.
- iv As committed, the PP shall earmark and spend an amount of Rs. 40.00 lacs towards capital cost various environmental protection measures and implementation of various activities under Environmental Management Plan.
- v The PP shall earmark and spend an amount of Rs. 75.60 Lacs under CSR for next three year (First year Rs. 17.7 lacs, Second year Rs. 28.10 lacs & Third year Rs. 29.80 lacs). As per the proposal submitted and the detailed action plan be submitted to RSPCB/SEIAA at the time seeking CTE.
- vi The total water consumption shall be limited to 268 M<sup>3</sup>/day. For withdrawing ground water from bore wells.
- vii The PP shall achieve the stack emission standards and ambient air standards as notified under E. P. Rules 86 and its subsequent amendments.
- viii The height of the stack for disbursement of the process emissions shall not be less than 30.00 Mtrs. from ground level.
- ix The PP shall operate its unit with prior Consent to Establish and Consent to Operate under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.


- x The particulate matter and gaseous emissions (SO<sub>x</sub>, NO<sub>x</sub>, CO, CO<sub>2</sub>, etc) from various processes/units/storages shall conform to the standards prescribed by the State Pollution Control Board / Central Pollution Control Board or under the Environment (Protection) Rules' 86 from time to time.
- xi 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.
- xii Ambient air quality monitoring stations shall be set up in the down wind direction as well as where maximum ground level concentration of PM<sub>10</sub> & PM<sub>2.5</sub>, SO<sub>x</sub>, NO<sub>x</sub>, CO, CO<sub>2</sub>, and F (Total) are anticipated in consultation with Rajasthan State Pollution Control Board.
- xiii The project proponent shall carry out regular monitoring of air emissions of HF, F etc (at source, work environment and ambient air) and assessment of performance of Air pollution control arrangements.
- xiv Portholes and sampling facilities shall be provided for the stacks emissions monitoring as per the CPCB guidelines. Stack emissions shall be monitored in consultation with RPCB.
- xv The PP shall draw the Safety, Health & Environment (SHE) Plan and submit to RPCB.
- xvi Data on ambient air quality and stack emissions shall be submitted to RPCB, once in six months carried out by MOEF/NABL/CPCB/ Govt. approved lab.
- xvii The PP shall provide separate drainage and outlets with the precaution that the storm water shall not come into contact with waste sludge.
- xviii The unit shall obtain proper authorization from Rajasthan State Pollution Control Board, if it generates any waste which falls under the purview of HWMHR-2008.
- xix 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).
- xx Adequate measures for the control of noise shall be taken so as to keep the noise levels below 85 dB (A) in the work environment. Persons working near the machines shall be provided with well-designed ear muffs/plugs and other personnel protective equipments.
- xxi Suitable alarm system and standard procedure for transmitting the information on the occurrence of an accident to the proper focal point shall be established.
- xxii 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 35% area of the plot size.
- xxiii A qualified person in the field of environment or separate Environmental Management Cell to 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.
- xxiv The PP will ensure that no employee or worker remains on duty within the plant premises for more than 8 hours per day in one stretch. No residential facilities (even for security staff) within the factory premises will be provided.
- xxv 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 the Rajasthan State Pollution Control Board under the rules prescribed for environmental audit.
- xxvi Periodical medical check up of the workers shall be done in six months and records maintained and effects of fluorine on human health need to be taken into special consideration.
- xxvii The PP shall ensure taking necessary steps on urgent basis to improve the living conditions of the construction labour at site.
- xxviii 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.
- xxix 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 and RPCB.
- xxx **The PP shall ensure taking necessary steps for taking permission for C.G.W.A..**

## **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

  
(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, 5<sup>th</sup> 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.

  
M.S. SEIAA (Rajasthan)