

# State Level Environment Impact Assessment Authority, Rajasthan

4, Institutional Area, Jhalana Doongri, Jaipur-302004

Phone: 0141-2705633, 2711329 Ext. 361

No: F 1(4)SEIAA/SEAC\_Raj/Sectt./Project/Cat(3(a)(B2)(170)/08-09 Jaipur, Dated:

10 JUN 2009

To,  
M/s Shyam Industries,  
A-7, Adarsh Colony,  
NIMBAHERA  
Distt.-Chittorgarh

Sub: EC for the Proposed Lead and Lead Ingots Manufacturing Unit at E - 150, RIICO Industrial Area, Nimbahera Distt.Chittorgarh.

Sir,

This has reference to your application no. Nil dated 7.02.09 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 meeting held 26-03-2009.

2. It is interalia noted that the project is Category "B" & Item No.(in the Schedule) 3(a) Plot Area is 3,206.25 Sq. Meters in RIICO Industrial Area of Nimbahera, Distt. Chittorgarh. Product & Capacity is 2,400 MTA, of Lead and Lead Ingots from 3,000 MTA of old Lead acid batteries, scrap, Lead scrap and Lead ash. The expected cost of project is Rs. Rs. 48.50 Lacs. (Including Rs. 5.00 Lacs for Pollution Control Measures). Water Requirement is 1610 Ltrs. Per day, (i.e. for domestic use 650 lpd and for wet scrubber - 960 lpd), and Source is PHED Water Supply.

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:

## Conditions:

1. The production capacity of the industry for Lead and Lead Ingots shall not exceed 2,400 MTA to be manufactured from raw material i.e. old Lead acid batteries, scrap, Lead scrap and Lead ash (total 3,000 MTA). Only dry waste batteries shall be purchased for processing.
2. The industry shall obtain proper registration from CPCB for recycling/reprocessing of hazardous waste, maintain proper passbook and shall not commence processing without the registration.

3. No water shall be consumed in the processing and no wastewater shall be generated.
4. Industry shall achieve the following stack emission standards and ambient air standards as notified under E.P. Rules, 1986:

| S. No. | Pollutants                         | Limit in Stack Emission | Limit in Ambient Air   | Remarks   |
|--------|------------------------------------|-------------------------|------------------------|---|
| 1.     | Lead as Pb                         | 10 mg/Nm <sup>3</sup>   | 1.5 µg/m <sup>3</sup>  |   |
| 2.     | Particulate Matter                 | 50 mg/Nm <sup>3</sup>   | 500 µg /m <sup>3</sup> |   |
| 3.     | Respirable Particulate Matter      |                         | 150 µg /m <sup>3</sup> | Size less than 10 microns                                       |
| 4.     | Sulphur Di-Oxide(SO <sub>2</sub> ) |                         | 120 mg/m <sup>3</sup>  |   |
| 5.     | Oxide of Nitrogen                  |                         | 120 mg/m <sup>3</sup>  |   |
| 6.     | Minimum Stack Height               | 30 meters               |                        | As per Environment (Protection) (Second Amendment) Rules, 1998. |

5. The height of the stack for disbursement of the process emissions shall not be less than 30.00 Mtrs. from ground level.
6. The industry shall operated 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.
7. The particulate matter and gaseous emissions (SO<sub>x</sub>, NO<sub>x</sub>, CO, CO<sub>2</sub>, Lead and metallic oxides etc) from various processes/units/storages should 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.
8. At no time, the emissions should 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.
9. Ambient air quality monitoring stations should be set up in the down wind direction as well as where maximum ground level concentrations of SO<sub>2</sub>, NO<sub>x</sub>, CO, CO<sub>2</sub>, Pb and metallic oxides are anticipated in consultation with Rajasthan State Pollution Control Board. Since two months data is provided of Oct 2008, and Nov 2009, the proponent should submit one month data of any season to support the data provided
10. Portholes and sampling facilities should be provided for the stacks emissions monitoring as per the Central Pollution Control Board guidelines. Stack emissions should be monitored in consultation with Rajasthan State Pollution Control Board.

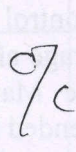


11. Data on ambient air quality and stack emissions should be submitted to Rajasthan State Pollution Control Board once in six months carried out by MOEF/NABL/CPCB/Govt approved lab.
12. The total water requirement should not exceed to 1610 Ltrs. Per day, (i.e. for domestic use 650 lpd and for wet scrubber - 960 lpd). Water requirement shall be met by RIICO Water Supply System, or other sources. No ground water extraction shall be permitted within the premises without prior permission of the CGWA.
13. Industry should provide separate drainage and outlets with the precaution that the storm water shall not come into contact with waste battery/waste sludge/lead ingots.
14. The waste slag of the process is hazardous in nature and, therefore, must be handled as per the provisions of Hazardous Waste (Management, Handling & Trans boundary Movement) Rules, 2008. Authorization is to be obtained from Rajasthan State Pollution Control Board for its management and disposal.
15. Handling, manufacture, storage and transportation of hazardous chemicals should be in accordance with the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 (amended till date).
16. Adequate measures for the control of noise should be taken so as to keep the noise levels below 85 dB (A) in the work environment. Persons working near the machines should be provided with well-designed ear muffs/plugs and other personnel protective equipments.
17. Suitable alarm system and standard procedure for transmitting the information on the occurrence of an accident to the proper focal point should be established.
18. Efforts should be made to increase green belt all around the premises. Native plant species should 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.
19. 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.
20. It will be ensured 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.
21. Periodical medical check up especially for the presence of Lead in the blood of the workers should be done in six months and records be submitted.
22. The funds earmarked for the environmental protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure should be reported to the Rajasthan State Pollution Control Board under the rules prescribed for environmental audit.
23. 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 RPCB.



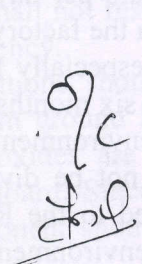
25. A voluntary commitment of the Social responsibility activities to be undertaken by the project proponent is to be given and the budgeted amount proposed for such activity will be kept.
26. The SEIAA, Rajasthan reserve the right to add new conditions, modify/ annual any condition and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Rajasthan or any other competent authorities is not satisfactory. Six monthly compliance status reports on project along with implementation of environmental measures must be submitted to SEIAA and Rajasthan State Pollution Control Board.

**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. 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, 5<sup>th</sup> 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)**