

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. 7(i)B1/(123)/ 08-09

Jaipur, Dated:

To,

30 JUL 2012

Project Director,
Rajasthan Urban Infrastructure Development Project,
AVS Building, Jawahar Circle,
JLN Marg, Jaipur

Sub: EC for Development of proposed Land fill site for disposal of MSW at Gagraun Road, Jhalawar, Rajasthan.

Sir,

This has reference to your application dated 13.1.09 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 on 18/19.6.12.

2. Brief details of the Project:

1.	Item No. in the list of Schedule / Category:	7(i)B1, Municipal Solid Waste (MSW)																																								
2.	Location of Project	Khasra no. 35 and 36, Village- Pancha Pura, Gagraun Road, Tehsil- Jhalrapatan, District-Jhalawar.																																								
3.	Plot Area	4.5 ha.																																								
4.	Product & Capacity	Handling of MSW-30 TPD																																								
5.	Expected Cost	Rs. 95 lacs																																								
6.	Water Requirement & Source	3 KLD for land fill process & domestic use of waters by new Tubewell.																																								
7.	Fuel & Energy	30 KWH/day from Vidyut Vitran Nigam Ltd (VVNL).																																								
8.	Environment Management Plan:	<p>Most of the mitigation measures requires the contractors to adopt good site Practice, which should be part of their normal procedures already, so there are unlikely to be major costs associated with compliance. Regardless of this, any cost of mitigation by contractors are included in the budgets for the civil works and do not need to be estimated separately here. Mitigation that is the responsibility of LSGD will be provided as part of management of the project.</p> <p>The environmental monitoring during the construction, conducted by the EMS.</p> <p>The long-term garbage survey that will be commissioned by LSGD.</p> <p>Total cost of Environmental Management and monitoring ₹ 9,00,000.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 30%;">Item</th> <th style="width: 15%;">Quantity</th> <th style="width: 15%;">Unit Cost</th> <th style="width: 15%;">Total Cost</th> <th style="width: 25%;">Sub-total (Rs. in Lacs)</th> </tr> </thead> <tbody> <tr> <td colspan="5">1. Implementation of EMP (2 years)</td> </tr> <tr> <td>Domestic Environmental Monitoring Specialist</td> <td>1 x 3 months</td> <td>1,00,000</td> <td>3,00,000</td> <td></td> </tr> <tr> <td>Survey and Monitoring Expenses</td> <td>Sum</td> <td>1,00,000</td> <td>1,00,000</td> <td>4,00,000</td> </tr> <tr> <td colspan="5">2. Survey of litter and garbage (6 years)</td> </tr> <tr> <td>Domestic Consultant</td> <td>6x1/2 month</td> <td>1,00,000</td> <td>3,00,000</td> <td></td> </tr> <tr> <td>Expenses</td> <td>Sum</td> <td>2,00,000</td> <td>2,00,000</td> <td>5,00,000</td> </tr> <tr> <td colspan="4" style="text-align: right;">Total</td> <td>9,00,000</td> </tr> </tbody> </table>	Item	Quantity	Unit Cost	Total Cost	Sub-total (Rs. in Lacs)	1. Implementation of EMP (2 years)					Domestic Environmental Monitoring Specialist	1 x 3 months	1,00,000	3,00,000		Survey and Monitoring Expenses	Sum	1,00,000	1,00,000	4,00,000	2. Survey of litter and garbage (6 years)					Domestic Consultant	6x1/2 month	1,00,000	3,00,000		Expenses	Sum	2,00,000	2,00,000	5,00,000	Total				9,00,000
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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. This E.C. is granted for setting up of Land Fill Site for disposal of MSW (30.00 TPD) of Nagar Palika Jhalawar, Near village- Pancha Pura, Gagraun Road, Tehsil- Jhalrapatan, District-Jhalawar.
- iii. The project proponent shall obtain prior CTE / CTO from RSPCB before implementing the project. All the conditions stipulated by the RPCB in its CTE/CTO shall be effectively implemented.
- iv. Project Authorities shall ensure transportation, segregation and composting in accordance with the Municipal Solid Wastes (Management and Handling) Rules, 2000.
- v. The entire project area shall be properly fenced.
- vi. Final disposal measures – municipal solid wastes should prevent contamination of ground water, surface water and ambient air quality.
- vii. Facility for land filling should be designed with protective measures against pollution of ground water, surface water and air fugitive dust, wind-blown litter, bad odour, fire hazard, bird menace, pests or rodents, greenhouse gas emissions, leachate collection, slope instability and erosion. A provision for site closure and Post Closure Maintenance shall also be ensured
- viii. Proper mechanism should be adopted for extraction leachate.
- ix. Piezometers of adequate depth shall be installed just beyond the periphery of landfill site and the water samples from the same be collected and analysed quarterly to assess any pollution from landfill site.
- x. The biodegradable wastes shall be processed by composting using vermi-composting, anaerobic digestion or any other appropriate biological process for stabilization of wastes. It shall be ensured that compost or any other end product shall comply with standards as specified in Schedule-IV of MSW Rules.
- xi. Bio-medical waste and industrial wastes shall not be mixed with MSW and such wastes shall follow the rules specified separately for the purpose.
- xii. Wastes from slaughter houses, meat and fish markets, fruits and vegetable markets, which are biodegradable in nature, shall be managed to make compost out of such wastes.
- xiii. Waste collected from residential and other areas shall be transferred to community bin by hand driven containerized carts or other small vehicles.
- xiv. Horticultural and construction / demolition wastes or debris shall be collected separately and disposed of following proper norms. Similarly, wastes generated by dairies shall be regulated in accordance with the relevant laws;
- xv. Garbage, dry leaves shall not be burnt;
- xvi. Stray animals shall not be allowed to move around waste storage facilities.
- xvii. Manual handling of waste shall be prohibited. It unavoidable due to constraints, manual handling shall be carried out under proper precaution with due care for safety of workers.
- xviii. Transportation of MSW from place to place should be under hygienic conditions and be carried through specially designed transport system so as to prevent foul odour, littering, unsightly conditions and accessibility to vectors.
- xix. Vehicles used for transportation of wastes shall be covered. Waste should not be visible to public, nor exposed to open environment preventing their scattering. The following criteria shall be met:-
 - a) The storage facilities set up by municipal authorities shall be attended daily for clearing of wastes. The bins or containers wherever placed shall be cleaned before they start overflowing;
 - b) Transportation vehicles shall be so designed that multiple handling of wastes, prior to final disposal, is avoided.
- xx. Water sprinklers shall be provided for controlling fugitive dust.
- xxi. First aid and sanitation arrangements shall be made for the drivers and other workers.
- xxii. Regular monitoring of the ambient air quality and water quality shall be carried out. Monitoring stations and frequency of monitoring shall be decided in consultation with the State Pollution Control Board. Periodic reports shall be submitted to the Regional office of MoEF at Lucknow, SEIAA Rajasthan and RSPCB.
- xxiii. Green belt shall be developed in at least 33% of the total project area with suitable species of the plants as per the CPCB guidelines.
- xxiv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xxv. The PP shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

Part B – GENERAL CONDITIONS

- i. The project authorities shall strictly adhere to the stipulations made by the Rajasthan State Pollution Control Board and also by the other Government offices from where NOC has been obtained by the P.P.
- ii. No further expansion or modifications in the project shall be carried out without prior approval of the SEIAA/Ministry of Environment and Forests as the case may be. In case of deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the Authority to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. The project authorities shall strictly comply the Municipal Solid Wastes (Management & Handling) Rules, 2000.
- iv. The project proponent shall also comply with all the environmental protection measures and safeguards as per the information provided.
- v. A separate environment management cell with qualified staff shall be set up for implementation of stipulated environmental safeguards.
- vi. Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure shall be reported to the Regional Office of MoEF, Lucknow, SEIAA, Rajasthan, RPCB, Jaipur.
- vii. The environmental clearance accorded shall be valid for a period of 5 years to start of the project.
- viii. In case of any deviation or alteration in the project proposed from that submitted to SEIAA, Rajasthan for clearance, a fresh reference shall be made to the SEIAA, Rajasthan to assess the adequacy of the condition (S) imposed and to incorporate additional environmental protection measures required, if any.
- ix. The implementation of the project vis-à-vis environmental action plans shall be monitored by MoEF Regional Office at Lucknow / RSPCB / CPCB / SEIAA, Department of Environment, Government of Rajasthan, Jaipur and this office. A six monthly compliance status report shall be submitted to monitoring agencies.
- x. The project authorities shall inform the MoEF Regional Office at Lucknow / RSPCB / CPCB / SEIAA, Department of Environment, Government of Rajasthan, Jaipur and this office, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- xi. The SEIAA, Rajasthan reserves the right to stipulate additional conditions, if found necessary.
- xii. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Municipal Solid Waste (Management and Handling) Rules, 2000 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
- xiii. Officials from the Department of Environment, Government of Rajasthan, Jaipur/ Regional Office of MoEF, Lucknow, RSPCB who would be monitoring the implementation of Environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to SEIAA should be forwarded to the CCF, Regional Office of MoEF, Lucknow / SEIAA, Department of Environment, Government of Rajasthan, Jaipur / RSPCB.
- xiv. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provision of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- xv. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental Clearance and copies of clearance letters are available with the Rajasthan State Pollution Control Board and may also be seen on the website of the RSPCB. The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of MoEF at Lucknow/Department of Ecology and Environment, Government of Rajasthan, Jaipur.
- xvi. These stipulations would be enforced among 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, 2006.
- xvii. The SEIAA, Rajasthan may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

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 Office, Ministry of Environment & Forests, RO(CZ), Kendriya Bhawan, 5th Floor, Sector 'H', Aliganj, Lucknow-226 020.
8. Environment Management Plan- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
- ✓ 9. Nodal Officer (Departmental 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)