State Level Environment Impact Assessment Authority, Rajasthan
4, Institutional Area, Jhalana Doongri, Jaipur-302004
Phone: 0141-2705633, 2711329 Ext. 361

File No. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project/Cat7(h)/B1 (333) /10-11

Jaipur, Dated: 20 Sept 2013

To,
M/s Sanganer Kapda Rangai Chhapai Association,
Opposite Choudhary Tent House,
Maruti Colony, Sanganer,
Jaipur.

Sub:- EC for Common Effluent Treatment Plant of Textile Unit at Madrampura, Sanganer, Jaipur, by Sh. Rajendra Jeengar, General Secretary, Sanganer Kapda Rangai Chhapai Association, Opposite Choudhary Tent House, Maruti Colony, Sanganer, Jaipur.

Sir,

This has reference to your application dated 29.12.2010 seeking environmental clearances for the above project under Environment Management Plan Notification 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the Environment Management Plan Notification 2006 on the basis of the mandatory documents enclosed with the application viz. the questionnaire, Environment Management Plan, Environment Management Plan and additional clarifications furnished in response to the observation of the State Level Expert Committee Rajasthan, in its meeting held on 27-28.01.2011,19.02.13, 25-26.06.13 & 25-26.08.13

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

<table>
<thead>
<tr>
<th>Item No. in the list of Schedule / Category:</th>
<th>7(h), B-1. (New)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Location of project</td>
<td>Khasra no. 37, Muhana Road Sanganer Village Madrampura, Tehsil – Sanganer, District - Jaipur.</td>
</tr>
<tr>
<td>3. Area</td>
<td>CETP Area = 1.35 ha. Pipe line net work length = 36 Km</td>
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<tr>
<td>4. Product &amp; Capacity</td>
<td>CETP Capacity = 12.3 MLD</td>
</tr>
<tr>
<td>5. Expected Cost</td>
<td>Rs. 42.00 Crore</td>
</tr>
<tr>
<td>6. Water requirement &amp; source</td>
<td>5 KLD Source: - PHED.</td>
</tr>
<tr>
<td>7. Fuel &amp; Energy</td>
<td>200 lt diesel (Construction Phase) Total load required will be 1500 kVA for CETP site and 150 kVA for each pumping station. Source of electricity JVVNL.</td>
</tr>
<tr>
<td>8. Environment Management Plan</td>
<td>A. Construction Stage (Rs. in Lacs)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Environmental Management Plan</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Potable water requirement for construction workers</td>
<td>0.10</td>
</tr>
<tr>
<td>2</td>
<td>Personal Protection and safety</td>
<td>0.40</td>
</tr>
<tr>
<td>3</td>
<td>First aid centre</td>
<td>1.00</td>
</tr>
<tr>
<td>4</td>
<td>Safe disposal of construction spoils</td>
<td>0.45</td>
</tr>
<tr>
<td>5</td>
<td>Sprinkler arrangement for Dust control</td>
<td>0.20</td>
</tr>
<tr>
<td>6</td>
<td>Monitoring of Air, Water &amp; Soil, Noise</td>
<td>0.70</td>
</tr>
<tr>
<td>7</td>
<td>Environment supervision during construction</td>
<td>0.50</td>
</tr>
<tr>
<td><strong>Total Cost of EMP construction</strong></td>
<td><strong>3.35</strong></td>
<td></td>
</tr>
<tr>
<td>S. No</td>
<td>Environment Management Plan</td>
<td>Approximate Capital Cost</td>
</tr>
<tr>
<td>------</td>
<td>---------------------------------------------------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>1</td>
<td>Ground Water Recharge Structures (Rain water Harvesting Structures)</td>
<td>12.00</td>
</tr>
<tr>
<td>2</td>
<td>Environment Monitoring and Management.</td>
<td>8.00</td>
</tr>
<tr>
<td></td>
<td>➢ Water quality analysis</td>
<td></td>
</tr>
<tr>
<td></td>
<td>➢ Ambient noise monitoring</td>
<td></td>
</tr>
<tr>
<td></td>
<td>➢ Ambient air quality monitoring including exhaust from D.G. sets.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>➢ Soil Quality</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Green belt and Landscaping</td>
<td>2.00</td>
</tr>
<tr>
<td>4</td>
<td>Solid Waste Management</td>
<td>25.00</td>
</tr>
<tr>
<td>5</td>
<td>Waste Water Treatment—CETP</td>
<td>321.00</td>
</tr>
<tr>
<td></td>
<td>Total Cost of EMP—Operation</td>
<td>368.00</td>
</tr>
</tbody>
</table>

9. CSR: Not Given.

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

CONSTRUCTION PHASE

i “Consent to Establish” shall be obtained from Rajasthan State Pollution Control Board before start of any construction work at the site.

ii All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

iii CETP management shall implement complete scheme of treatment (i.e. up to recycling of treated waste water) given in the PROJECT REPORT.

iv CETP Management will take immediate action in the matter of implementing proposed effluent collection system in the DPR.

v For conservation of electricity and reduce energy losses the management should ensure that the electrical power is stepped down from 33 KVA to 11 KVA and distributed at this level and finally brought to the level of 440 volts.

vi Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe and adequate drinking water, medical health care, monthly medicines, monthly
medical camps, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

vii All requisite sanitary and hygienic measures shall be in place before starting construction activities. The safe disposal of waste water and solid waste generated during the construction phase should be ensured.

viii For disinfection of wastewater, appropriate tertiary treatment may be given.

ix All the topsoil excavated during the construction should be stored for use in horticulture/landscape development within the project site.

x Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of the people, only in approved sites with the approval of competent authority.

xi Soil and ground water samples will be tested to ascertain that there is no threat to the ground water quality by leaching of heavy metals and other toxic contaminants.

xii Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they do not leach into the ground water.

xiii The diesel generator sets to be used during the construction phase should be low- sulphur-diesel type and should conform to Environment (Protection) Rules for air and noise emission standards.

xiv Vehicles hired for bringing construction material and laborers to the site should be in good conditions and should conform to applicable air and noise emission standards and should be operated during non-peak/approved hours.

xv Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.

xvi Ready mixed concrete should be used in building construction.

xvii Storm water control and its re-use as per CGWA and BIS standards for various applications.

xviii Water demand during construction should be reduced by the use of pre-mixed concrete, curing agents and other best practices referred.

xix Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.

xx A First Aid Room will be provided in the project both during construction and operation of the project.

xxi Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary authorization of the Rajasthan Pollution Control Board.

xxii The quantity and quality of CETP sludge should be properly assessed (for present and future) and reported to Rajasthan Pollution Control Board.

xxiii The PP will provide certificate of connectivity of different water polluting industries with CETP and relevant agreement between the connected/user industries and the CETP trust.

xxiv The details relating to the RO plant should be properly reflected and reported with particular reference to the sludge generation (tonnes per MLD) to the RPCB.

xxv The PP shall provide horticulture plan with correct scientific names of trees/plants to Rajasthan Pollution Control Board.

xxvi The approval of the competent authority shall be obtained for structural safety of the building due to earthquake, adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightening etc.

xxvii Regular supervision of the above and other measures for monitoring should be in place throughout the construction phase, so as to avoid nuisance to the surroundings.
II  OPERATION PHASE

i The installation of the CETP should be certified by an experienced agency and a report in this regard should be submitted to the RPCB, before the project is commissioned for operation. Discharge of treated effluent shall conform to the norms & standards of the Rajasthan State Pollution Control Board.

ii CETP Sludge shall be disposed off in approved TSDF Site.

iii If given treatment scheme is not working properly in terms of reduction of BOD, COD, TDS, SS, reduction of heavy metals and removal of colour and odour etc, CETP Management shall modify the plant as required to achieve standards immediately.

iv 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.

v For conservation of electricity and to reduce energy losses the management should ensure that, the electrical power is stepped down from 33 KVA to 11 KVA and distributed at this level and finally brought to the level of 440 volts.

vi Rain Water harvesting (RWH) for roof run-off and surface run-off, as plan submitted shall be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The RWH plan should as per GOI manual

vii Any hazardous waste should be disposed of as per applicable Rules & norms with necessary approvals of the Rajasthan State Pollution Control Board.

viii The green belt design along the periphery of the CETP shall achieve attenuation factor conforming to prescribed standards for noise during the day and night.

ix The open space inside the CETP should be suitably landscaped and covered with vegetation of indigenous variety.

x Install flow meters both at the entry and exit of the CETP as per directions of the Hon’ble Rajasthan High court.

xi The diesel generator sets to be used during the operation phase should be low- sulphur diesel type and should conform to Environment (Protection) Rules for air and noise emission standards. The D. G. sets to be operated with stack height as per RPCB norms.

xii Incremental pollution loads on the ambient air quality noise and water quality should be periodically monitored after commissioning of the project and result reported to RPCB.

xiii The quantity and quality of CETP sludge should be properly assessed (for present and future) and reported to Rajasthan Pollution Control Board.

xiv The PP will provide certificate of connectivity of different water polluting industries with CETP and relevant agreement between the connected/user industries and the CETP management.

xv The details relating the RO plant should be properly reflected and reported with particular reference to the sludge generation (tonnes per MLD) to the RPCB.

xvi Regular monitoring (twice in a year- pre and post monsoon) of soil and ground water samples (4 to 6 Nos.), collected from the fields and wells located on either side of drain/nallah/river (Up to 3 kms downstream) carrying the CETP effluent shall carried out to ascertain that, there is no threat to the soil/ground water quality by leaching of heavy metals and other toxic contaminants. Selection of sampling points is done in consultation with the RPCB. The Report containing sample analysis as well as its interpretation is submitted to RPCB.

xvii Application of solar energy should be incorporated to illumination of common areas including campus lighting.

xviii Energy saving measures should be quantified and suitably adopted.
Proper system of channelizing excess storm water shall be provided.

Include sludge quantity and quality monitoring in the Post project Environmental monitoring plan.

The power factor should be maintained near unity.

The O & M of the CETP shall be effected as per CPCB guidelines with due emphasis to occupational health and safety.

The PP will make all out efforts to minimize water consumption.

Adequate measures should be taken to prevent odour from solid waste processing and CETP.

The PP should submit copy of revised agreement with the industries to comply with EC requirements to RPCB.

Environmental 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 2004 as may be applicable to this project.

The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open space inside the plot shall be suitably landscaped and covered with vegetation of indigenous variety.

Trees and shrubs of local species shall be planted to allow habitat for birds with appropriate distance from the boundary.

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 SEIAA, Rajasthan & RPCB.

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.

PART - B. GENERAL CONDITIONS

i. 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 Rajasthan State Pollution Control Board.

ii. In case of any change(s) in the scope of the project, the PP requires a fresh appraisal by SEIAA/SEAC, Rajasthan.

iii. 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.

iv. 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.

v. 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.

vi. 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.

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, Mansarover, 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.
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)