

## MINUTES

### THIRTEENTH MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), TAMILNADU, CHENNAI-15 HELD ON 28<sup>TH</sup> AUGUST 2009.

#### **PRESENT:**

#### **Expert Committee**

- |                          |          |                          |           |
|--------------------------|----------|--------------------------|-----------|
| 1. Dr. Muthiah Mariappan | Chairman | 2. Shri. R. Ramachandran | Secretary |
| 3. Dr. K. Thanasekaran   | Member   | 4. Dr. K. Srinivas       | Member    |
| 5. Prof. T. Swaminathan  | Member   | 6. Dr. V. Sunderaraj     | Member    |
| 7. Shri V.Ramdoss        | Member   | 8. Dr. A.G. Murugesan    | Member    |
| 9. Prof. K. Muthuchelian | Member   | 10. Shri.P.M.Natarajan   | Member    |
| 11. Dr. H.Mohamad Kasim  | Member   |                          |           |

#### **Representatives of the Projects**

Representatives of M/s. TALCO-Dindigul Tanners Enviro Control System Pvt.Ltd, Dindigul District.

Representatives of M/s. True Developers Private Limited, Taramani, Chennai District.

Representatives of M/s. Vijay Cements (Sri Vaasa Cements Pvt.Ltd), Namakkal District. (Not attended the meeting)

Representatives of M/s. DSRM Steels Private Limited, Dindigul District.

Representatives of M/s. Ennore Foundries Limited, Thiruvallur District.

Representatives of M/s. Madurai Integrated Textile Park Limited, Madurai District.

Representatives of M/s. Vascon Pricol Infrastructure Limited, Coimbatore District.

Representatives of M/s. Brigade Enterprises Limited, Chennai District.

Representatives of M/s. Rattha Citadines OMR, Apart Hotel Pvt.Ltd, Kancheepuram District. (Not attended the meeting)

Representatives of M/s. Voluntary Health Services, Chennai District.

Representatives of M/s. Implementation of Integrated Solid Waste Processing Facility at Kodungaiyur dumping ground by Corporation of Chennai.

Representatives of M/s. Servalakshmi Papers Pvt.Limited, Thirunelveli District

Representatives of Construction of Govt Medical College and Hospital at Mundiampakkam Villupuram District by PWD.

13.00.00	<b>GENERAL INTRODUCTION BY THE CHAIRMAN AND SECRETARY OF THE COMMITTEE</b>
	The Chairman and Secretary welcomed the Members of the SEAC for the thirteenth meeting. Applications submitted by the project proponents and particulars called for from proponents and received were taken for appraisal.

13-01-01 **M/s.TALCO-Dindigul Tanners Enviro Control System Pvt.Ltd, Pallapatti Village, Dindigul District- 7(h) – Common Effluent Treatment Plants (CETPS) - Environmental Clearance-Regarding.**  
Recommended

13-01-02 **M/s.True Developers Private Limited, Taramani, Chennai District-8 (a) Building & Construction Projects-Environmental Clearance - Regarding.**

Recommended

The following additional details have been called for,

- i) Details of Solid Waste Management and
- ii) Details of Green Belt proposed.

13-01-03 **M/s.Vijay Cements (Sri Vaasa Cements Pvt.Ltd),Kapilarmalai Post, Paramathi Velur Taluk, Namakkal District-3(b) Cement plant-Environmental Clearance-Regarding.**

The proponent(s) of the project informed of their inability to attend the meeting.

13-01-04 **M/s.DSRM Steels Private Limited, Kulathur Village, Vedasandur Taluk,Dindigul District-3 (a) Metallurgical Industries (Ferrous & Non Ferrous)-Environmental Clearance-Regarding.**

Recommended

Details of dust control measures at the loading and unloading of raw materials within the project premises are to be furnished.

13-01-05 **M/s.Ennore Foundries Limited,Kathivakkam Village,Ennore, Ponneri Taluk,Thiruvallur District-3 (a) Metallurgical Industries (Ferrous & Non Ferrous)-Environmental Clearance-Regarding.**

Recommended

13-01-06 **M/s.Madurai Integrated Textile Park Limited, Thathampatti Village, Vadipatti Post & Taluk, Madurai District-7(h) – Common Effluent Treatment Plants (CETPS)-Environmental Clearance - Regarding.**

TOR has been issued. The TOR should contain the following contents:

**A. Project Description**

- Executive summary of the project

- Site map indicating salient features within of 10 km radius. They include industries, water bodies, national parks, wildlife sanctuary, reserve forests, schools/colleges, hospitals, inhabitation, defense establishments, Airport, Railway Station etc.
- Land use as approved by DTCP, documentary evidence obtained from competent agencies for water supply and disposal of solid and liquid waste from the proposed site and power compliance of the norms of CPCB for siting an industry.
- Plant layout and brief description of processes.
- Existing environmental setting with respect to air and water quality and noise.
- Total cost of the project and the capital source of water and break up of consumption and recurring cost of materials preferably with MSDS.
- Equipments for controlling air and water pollution and solid waste management.
- Details of waste water management including the scheme for ETP/STP and recycling and reuse of liquid and solid waste within the project area.
- Documentary evidence obtained from competent agencies for water supply and disposal of solid and liquid waste from the proposed site and power.

## **B. Description of the Environment and Baseline Data Collection**

- Site specific meteorological data for wind speed, direction, temperature, humidity and rainfall at least for one season in the project.
- Contour map of the site with sites for ETP/STP, rain water harvesting and ground water recharge.

## **C. Socio Economic Data**

- Existing socio-economic status, covering the population/human settlement, foreseeable benefits to the society in terms of employment, education health etc.

## **D. Impacts Identification and Mitigatory Measures**

- Identification of impacting activities from the proposed project during construction and operational phase.
  - Impact on air and mitigation measures including green belt
  - Impact on water environment and mitigation measures.
  - Soil pollution and mitigation measures
  - Noise generation and management
- Characterization of the solid wastes for the presence of biodegradable, non biodegradable components, heavy metals, pesticides, dyes and quantification of solid wastes and mode of disposal.

## **E. Environmental Management Plan**

- Details of pollution control measures
- Environment management team
- Proposed schedule for environmental monitoring including post project monitoring for Air, Water, Soil and Noise.

## **F. Risk Assessment**

- Details on storage facilities for collection of rain and storm water.
- Process safety, transportation, fire fighting systems, safety features and

- emergency capabilities to be adopted within the site for CETP.
- Identification of hazards.
- Selection of incidents and consequence calculations.
- Disaster Management Plan during explosion of fire, tremours.
- Safety precautions for the storage of dyes, biocides, processed and semi processed solid wastes.

**G. Occupational Health Safety and Environmental measures to be adopted for protection of the workers.**

**H. Green Belt Development plan**

**I. Public Hearing**

**13-01-07 M/s.Vascon Pricol Infrastructure Limited, Sowripalayam Village, Coimbatore District-8 (a) Building & Construction Projects-Environmental Clearance-Regarding**

Recommended.

**13-01-08 M/s.Brigade Enterprises Limited,OMR, Thiruvanmiyur, Chennai District -8 (a) Building & Construction Projects-Environmental Clearance-Regarding.**

Recommended.

Particulars for management of STP and solid waste disposal are to be furnished.

**13-01-09 M/s.Rattha Citadines OMR Apart Hotel Pvt.Ltd,Tambaram Taluk, Kancheepuram District- 8 (a) Building & Construction Projects-Environmental Clearance-Regarding.**

The proponent(s) of the project informed of their inability to attend the meeting.

**13-01-10 M/s.Voluntary Health Services, Rajiv Gandhi Salai, I T Corridor, T.T.T.I.Post, Adayar, Chennai-600 113-8 (a) Building & Construction Projects-Environmental Clearance-Regarding.**

Recommended.

**13-01-11 Implementation of Integrated Solid Waste Processing facility at Kodungaiyur dumping ground by Corporation of Chennai-7(i) Common Municipal Solid Waste Management facility (CMSWMF)-Environmental Clearance-Regarding.**

**The Committee decided to issue the following Terms of Reference :**

- 1.Characterisation and quantification of the solid waste generated with reference to combustibles, biodegradables, non-biodegradable metals and plastics.
- 2.Planning for segregation, collection and disposal of the partially processed waste.
- 3.Layout plan showing the area proposed for various operations involved in solid waste management.
- 4.Proposed technological strategy for rehabilitation of the site already filled with solid wastes over a period.
- 5.Details of human settlements in the vicinity of the project site.
- 6.EIA study for the proposed activity.

7. Details of the mass balance of the MSW and the RDF quantity.
8. Details of the final disposal of the processed MSW/RDF.
9. Technical details of the land fill site within the proposed project site for the disposal of the debris.
10. PPE for workers handling solid wastes at the processing yards including reception, sorting, treatment and disposal of the waste.
11. Details for transportation of the collected, segregated and processed solid wastes within and off the site proposed for final disposal.
12. Details on water requirement for cleaning, processing and sanitation works.
13. Mitigative measures to arrest ground water pollution caused by processing of waste and monitoring mechanism for identifying the ground water pollution.
14. Green-belt development plan in consultation with State Forest Department to be furnished.
15. Plan for skill development and training of the workers to be engaged in operation and maintenance of the system to be detailed.
16. Map of contours of the proposed activity site.
17. Physical chemical and biological characteristics of the bio inoculum or any externally applied biologicals favouring the faster decomposition of solid waste processed with the proposed technology to be furnished. Performance of a project already implemented elsewhere.

**13-01-12 M/s.Servalakshmi Papers Pvt.Limited, Vetuvankulam Road, Kodaganallur Village, Thirunelveli District - 1(d) 15 MW Co-generation power plant-Environmental Clearance-Regarding.**  
Recommended.

**13-01-13 Construction of Govt Medical College and Hospital at Mundiampakkam village, Villupuram District by PWD-8 (a) Building & Construction Projects-Environmental Clearance-Regarding.**  
Recommended.

**Table Agenda for XIII SEAC meeting held on 28<sup>th</sup> August 2009.**

To consider further Appraisal of the projects with the response of the Proponents to the clarifications/undertakings called for by the SEAC in the previous meetings.

**M/s.M.M.Lead Smelters, Kunnathur Village, Avinashi Taluk, Coimbatore District-3(a) Metallurgical Industries (Ferrous & Non-Ferrous)-Environmental Clearance-Regarding.**

Recommended

<b>Sl.No.</b>	<b>Details called for</b>	<b>Response by the Proponent</b>
01	Treatment and disposal of the Lead bearing waste from the scrubber to be furnished.	The lead bearing waste from the scrubber will be recycled through rotary furnace and hence no disposal is envisaged.

02	Screening of the health of the workers for the presence of the lead in the body once in two years.	Proposal plan has been made to screen the workers for the lead intake by contact.
03	Mechanical sorting of the raw materials to be adopted.	EOT Crane and Hoist are planned to be installed for handling the raw materials.
04	PPE should be provided to the workers operating within the ball mill area and other noise generating areas.	Details of the personal protective equipments to the workers (Boots, Helmets, Hand Gloves, Safety marks, Goggles, Masks, Aprons Ear Plugs and Ear Muffs etc.) working in the ball mill area are planned for provision.
05	Monitor the heavy metals As, Sb, Ag, Cr & Pb on the plants, animals, soil and surface & ground water.	They have monitored heavy metals like (As, Sb, Ag, Cr & Pb) in the soil and water (ground & surface) and analysis report submitted.
06	The storage of slag and other hazardous materials within the site should be provided with adequate area and conform to the stipulation of the Pollution Control Board.	Proponent has provided adequate area for storage of lead slag and other solid waste inside the factory premises. The details of storage yard are found in the layout plan.
07	The level of abundance of the existing flora & fauna and impacts of the lead concentration should be assessed by competent biologist.	Lead in plants has been estimated and found within limits.
08	Detailed layout plan indicating the site for various activities	Layout plan has been provided.
09	HAZOP study to cover safety & health risk to workers, risks to public health and risks to ecosystem to be completed by adopting standard procedures and appropriate risk management measures to be recommended.	The revised risk analysis and HAZOP study is enclosed.
10	Baseline data on the environmental quality (air, water, noise, flora & fauna etc.) with special reference to the proposed plant.	Baseline data on air quality and details of flora and fauna was provided.

11	Baseline community health profile related to lead in the body by adopting standard procedure.	Biannual health check up data as stated will be provided.
<p><b>As decided in the 12<sup>th</sup> SEAC meeting held on 29<sup>th</sup> and 30<sup>th</sup> June 2009 the additional details received from the proponent was circulated to the members of the SEAC vide t/o Ir. Dated 27.07.2009 for necessary action.</b></p> <p>No comments were received.</p>		

**M/s.Sri Mahalakshmi Alloys, Nanjikottai Village, Thanjavur Taluk & District-3(a) Metallurgical Industries (Ferrous & Non-Ferrous)-Environmental Clearance-Regarding.**

Sl.No.	Details called for	Response by the Proponent
01	<p>The proponent was asked vide this office letter dt.27.7.09 to explore the feasibility of siting the activity at an environmentally and ecologically compatible place.</p> <p>The EMP of the proposed activity has to have sharp focus to protect the agricultural land and drinking water resources.</p> <p><b>The reply or response should be made available to SEAC within 10 days from the date of receipt of the letter.</b></p>	No response from the proponent
<p>The Committee decided to close the file with application since no response was received from the proponent to this office despite reminder letters were sent.</p>		

**M/s.LRC Speciality Chemicals (P) Ltd, Plot.No.92, SIDCO Industrial Estate, Kakkalur Village, Thiruvallur Taluk & District. 5(f) Synthetic Organic Chemical (Bulk Drug)-Environmental Clearance-Regarding.**

Recommended

Sl.No.	Details called for	Response by the Proponent
01	<p>The proponent has to submit the proposals on Environment Health and Safety Risk Management with specific reference to the proposed industrial operation.</p>	Furnished.
<p><b>The Committee decided to call for the following details:</b></p>		

Review of accident analysis and HAZOP study.

**M/s.Trichy Sumathi Steel Rolling Mills (P) Ltd, 49, DPF Street, Pappanaickenpalayam, Coimbatore District - 3 (a) Metallurgical Industries (Ferrous & Non Ferrous) - Environmental Clearance-Regarding.**

Recommended

Sl.No.	Details called for	Response by the Proponent
01	Location of slag grinding unit and APC measures for the same.	Slag grinding unit is not proposed as the slag generated from the proposed unit will be taken by the cement plant as it is.
02	Commitment letter from the cement industries to receive the slag.	The copy of the letter from M/s Chettinad Cements Corporation Ltd, Karur, Dhandapani Cements Pvt.Ltd, Trichy & Vijay Cements, Thuraiyur are enclosed as Annexure.
03	The revised EIA should cover all the points issued in the TOR as the EIA furnished is not as per the TOR issued by the MoEF.	The copy of the revised EIA report is enclosed.

**M/s.Phoenix Hodu Developers Pvt.Limited,OMR, Kalvakkam Village, Chengalpattu Taluk, Kancheepuram District-8 (b) - Township and Area Development Projects- Environmental Clearance-Regarding.**

Recommended

Sl.No.	Details called for	Response by the Proponent
01	Collection, Segregation, Treatment and Disposal of the Solid Waste generated from residences and common facility centers.	Details were received
02	The design criteria adopted in sizing the units of operation for removal of pollutants occurring in waste water.	Design criteria adopted were provided
03	The handling of the sludge from the STPs and disposal modes to be provided.	Proposal was received
04	Operation and maintenance	Provided

	manuals for water and waste water systems and solid waste management within the complex need to be provided.	
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**M/s.True Value Homes India Pvt.Ltd, M R C Nagar, Chennai District-8  
(a) - Building & Construction Projects- Environmental Clearance-Regarding.**

Recommended

Sl.No.	Details called for	Response by the Proponent
01	E-coli in the treated waste water may be estimated and reported for various reuse of treated waste water within the site.	E-Coli count has been estimated and found to be < 1000 MPN/100 ml, which is within the permissible limits and the treated waste water, is used within the site for gardening and toilet flushing purpose.
02	The land made available for gardening needs to be checked. The quality of treated waste water shall meet the TNPCB recommendations.	An area of 13516.40 Sq.m is allocated for Greenbelt Development which is 25% of the total land area of 54065.58 Sq.m. The waste water will be treated to meet the inland surface water discharge standards of TNPCB.
03	The solid waste management need to be detailed to include the proposals for managing the non biodegradable waste.	A report on Solid Waste Management is detailed in Annexure-II.
04	The proposed storm water drain for carrying the storm water within the project site should be checked for carrying capacity.	The storm water drain has been checked for carrying capacity and a detailed report is enclosed as Annexure-III.

**M/s.K.GFOUNDATIONS Pvt. Limited,B- Palanchur village, Mavalurkuppam, Poonamallee Taluk,Thiruvallur District - (a) Building & Construction Projects-Environmental Clearance-Regarding.**

Recommended

Sl.No.	Details called for	Response by the Proponent
01	Water balance should be properly worked out as the existing proposal states that 38 KLD of water would be let out into a pond of 50 cu.m. capacity which is not correct.	Instead of using treated waste water for ponds it is proposed to use it for HVAC system only and the revised water balance chart has been enclosed.

02	Management of odour and mitigation measures shall be furnished.	<p>Odour generated from STP will be controlled by the following measures.</p> <ol style="list-style-type: none"> <li>1. The proposed STP treatment system is based on FBBR technology which generates less amount of sludge which in turn produces less odour.</li> <li>2. Proposed STP is Under-Ground Covered System and air vent will be provided above 6m to the tallest roof level.</li> <li>3. Moreover plants like eucalyptus, neem, parijatham, pungam etc will be planted in and around STP which helps for clarifying air making dispersion of odour.</li> </ol>
03	The roads within the area should be sufficient enough to facilitate movement of fire headers as per the norms.	<ol style="list-style-type: none"> <li>1. The project characteristics is still + 4 floors, Height of building is 16.2m.</li> <li>2. Moreover all the service roads connecting within the premises of project is 7.2m wide and interconnecting roads are 6.1m wide, hence easily accessible for movement of fire headers.</li> <li>3. A fire water sump of 150 KLD capacity in case of emergency has been proposed.</li> <li>4. Though the project does not fall under fire norms as per CMDA rules, the above fire safety system for this project has been proposed.</li> </ol>
04	The project should be of zero discharge and should not let out any treated sewage water into surface drain.	<ol style="list-style-type: none"> <li>1. The Project is assured zero discharge, since all the treated waste water from STP is used within the premises and there is no discharge of treated sewage water into the surface drain.</li> <li>2. The total treated waste water is utilized for various applications such as Flushing, HVAC and Gardening as shown in water balance chart. Hence the project ensures zero discharge.</li> </ol>

**M/s.The Chennai Medical College Hospital & Research Centre (SRM Group), Irungalur Village, Manachanalur Taluk, Trichy District-8(a) Building & Construction Projects-Environmental Clearance-Regarding.**

Recommended

<b>Sl.No.</b>	<b>Details called for</b>	<b>Response by the Proponent</b>
01	Commitment letter for water supply to the project from Competent Authority.	Letter from <b>Irrungalur Panchayat</b> has been furnished.
02	Revised water balance flow sheet shall be furnished.	Furnished
03	Action plan for management of rain water harvesting shall be furnished.	Rain water will be proposed to be collected and stored in large capacity storage in reservoirs and reused for horticulture, washing, and cleaning and toilet purposes.
04	Segregation of waste water, its quantity, characteristics and treatment for the same shall be furnished.	Domestic sewage - 223 KLD Laundry waste - 20 KLD Chiller blow down - 10 KLD Details of treatment and disposal furnished.
05	Quantity of biomedical waste/solid waste, its characteristics and scheme of treatment and disposal shall be furnished.	Bio Medical waste - 330 Kg/day. Details of its characteristics and scheme of treatment and disposal furnished.

**Secretary,  
SEAC**

**Chairman,  
SEAC**