

MINUTES

FIFTH MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), TAMILNADU, CHENNAI-32 held on 16th & 17th SEPTEMBER 2008.

PRESENT:

Expert Committee

- | | | | |
|--------------------------|----------|--------------------------|-----------|
| 1. Dr. Muthiah Mariappan | Chairman | 2. Shri. R. Ramachandran | Secretary |
| 3. Dr. K. Thanasekaran | Member | 4. Shri. P.M. Natarajan | Member |
| 5. Dr. M.P. Chockalingam | Member | 6. Dr. K. Srinivas | Member |
| 7. Prof. T. Swaminathan | Member | 8. Dr. V. Sunderaraj | Member |
| 9. Dr. Dhulasi Birundha | Member | 10. Dr. A.G. Murugesan | Member |
| 11. Shri V.Ramdoss | Member | 12. Dr. S. Sivanesan | Member |
| 13. Dr. H.Mohamad Kasim | Member | | |

Representatives of the Projects

- Representatives of M/s. CMDA, Food grain market, Koyambedu, Chennai-8.
Representatives of M/s. Karuna Constructions, Ambattur Industrial Estate, Chennai.
Representatives of M/s. Vishranthi Homes Private Ltd.
Representatives of M/s. Kishore Kumar Gokaldas IT-Park.
Representatives of M/s G.Kuppuswamy Naidu Memorial Hospital,
Representatives of M/s. LRC Speciality Chemicals Private Limited.
Representatives of M/s. Tanfac Industries Ltd.
Representatives of M/s. Asian Paints, Penta Division,
Representatives of M/s. Bannari amman sugars limited
Representatives of M/s. Global Power Tech Equipments Ltd
Representatives of M/s. Bannari Amman Techno Park Pvt Ltd
Representatives of M/S. Jayasree Financiers, Sholinganallur Village
Representatives of M/S. IVR Hotels & Resorts Ltd, Kunnam Village.
Representatives of M/S. Satyam Computers Services Ltd, Kunnam Village.
Representatives of M/S. Rakindo Kovai Town Ship Limited,
Representatives of M/S ETL Infrastructure Services Ltd, Pallikaranai Village
Representatives of M/s Govt. Mohan Kumaramangalam Medical College Hospital, Salem
Representatives of M/S. ARS Metals Private Limited, Rolling Mill Division.
Representatives of M/s. ETA Powergen Pvt.Ltd, Perayyanpatti Village
Representatives of M/S. Actavis Pharma Manufacturing Pvt.Ltd,
Representatives of M/S. Vignesh Cement & Additives
Representatives of M/S. Tantech Agro Chemicals Ltd., Kudikadu,
Representatives of M/S. MFAR Hotels Ltd
Representatives of M/S. Covai Property Centre (I) Private Limited

Day-1

5-00-00

GENERAL INTRODUCTION BY THE CHAIRMAN AND SECRETARY OF THE COMMITTEE

The Chairman and Secretary welcomed the Members of the SEAC for the fourth meeting and the projects for which applications along with Form I were received were taken for appraisal.

5-01-01

CONSTRUCTION OF FOOD GRAIN MARKET - FOOD GRAIN MARKET PROJECT AT KOYAMBEDU VILLAGE, CHENGALPATTU TALUK KANCHEEPURAM DIST. M/S. CMDA, KOYAMBEDU, CHENNAI-8

The proposal was appraised in the second meeting of SEAC held during 5th and 7th of MAY 2008 and the Committee decided to call for re-presentation of the project.

The committee decided to recommend for grant of Environmental Clearance subject to the submission of details as listed below.

1. Break up of the solid waste for weight and composition generated during conduction and operation phases.
2. A letter from the CMWSSB for admission of sewage emanated from market and discharge into existing CMWSSB STP.
3. Details of the green belt with additional no.of plants & species of trees to be planted and operation and maintenance of green belt.
4. Estimation of water requirement should be based on the actual no.of users of the market (floating & resident).
5. Cleanup of the roads parking lots and other occupational areas with mechanised contrivances (vaccum cleaners, water jet,etc.,).
6. Adequate no.of pay and use toilets and stand posts for drinking water.
7. Continuous monitoring of the environmental pollution (Air, Water & Solid) should be carried out by a dedicated team for the market area.

5-01-02

KARUNAASESH IT PARK BY M/s. KARUNA CONSTRUCTIONS, SF NO. 412/2B, 413/2 ETC. MTH ROAD, AMBATTUR INDUSTRIAL ESTATE, CHENNAI.- 8(a) Building & Construction Projects - Environmental Clearance -Regarding.

The committee decided to recommend for grant of environmental clearance subject to the submission of following details.

1. Environmental Management Plan for monitoring of the pollutants (air, water & solid).
2. Native Species of plants preserved and in addition to planting of preferred species.
3. A documentary evidence for supply of water from SIDCO/CMWSSB.
4. The details of the design criteria adopted in design of the STP.

5-01-03 OCEANIC TECH PARK BY M/S VISHRANTHI HOMES PRIVATE LTD, - INFORMATION TECHNOLOGY PARK PROJECT – R F NO. 4569, BLOCK NO. 100, R F NO. 4310, 4462, BLOCK NO. 96, SANTHOME VILLAGE, MYLAPORE-TRIPPLICANE TALUK, CHENNAI - 8(a) BUILDING & CONSTRUCTION PROJECTS - ENVIRONMENTAL CLEARANCE - REGARDING.

The committee decided to recommend for grant of environmental clearance subject to the submission of following details.

1. Environmental Management Plan for monitoring of the pollutants (air, water & solid).
2. Native Species of plants preserved and in addition to planting of preferred species.
3. A documentary evidence for supply of water from CMWSSB during operational phase.
4. The details of the design criteria adopted in design of the STP.

5-01-04 M/S.KISHORE KUMAR GOKALDAS IT-PARK,.- INFORMATION TECHNOLOGY PARK - RS.NO.*** PERUNGUDI VILLAGE, KANDANCHAVADI, KANCHEEPURAM DISTRICT - 8(a) BUILDING & CONSTRUCTION PROJECTS - ENVIRONMENTAL CLEARANCE -REGARDING.

The committee decided to recommend for grant of environmental clearance subject to the submission of following details.

1. Characterization of the sewage with respect to physical, chemical and biological parameters.

2. A documentary evidence for supply of water and also for the source of water supply.
3. Classification and quantification of E-waste
4. Application of the solar power and the level of saving energy.
5. The details of green belt area and species.
6. The data for the performance of the mechanized solid waste treatment unit to be obtained from the existing plant.
7. Environmental Management Plan for monitoring of the pollutants (air, water & solid). Documentary evidence for supply of water and also for the source of water supply.
8. Classification and quantification of E-waste
9. Application of the solar power and the level of saving energy.
10. The details of green belt area and species.
11. The data for the performance of the mechanized solid waste treatment unit to be obtained from the existing plant.
12. Environmental Management Plan for monitoring of the pollutants (air, water & solid).

5-01-05 M/S. G.KUPPUSWAMY NAIDU MEMORIAL HOSPITAL, - HOSPITAL CONSTRUCTION PROJECT – S.F. No. ***, KRISHNARAYAPURAM VILLAGE, PAPPANAICKKENPALAYAM, NETHAJI ROAD, COIMBATORE DISTRICT - 8(a) BUILDING & CONSTRUCTION PROJECTS - ENVIRONMENTAL CLEARANCE -REGARDING.

The committee decided to recommend for grant of environmental clearance subject to the submission of following details

1. Segregation, collection and disposal of the liquid effluent generated from the various operations shall be conformal to the norms of TNPCB and BARC.
2. Adequate space for green belt development and for safe storage of the solid waste generated from the operational area.
3. Bio medical waste has to be handled as per the Bio Medical Wastes (M & H) Rules.

5-01-06 M/S. LRC SPECIALITY CHEMICALS PRIVATE LIMITED, – Plot No. 92, SIDCO Industrial Estate, KAKKALUR, THIRUVALLUR DISTRICT - 5(f) SYNTHETIC ORGANIC CHEMICALS INDUSTRY - ENVIRONMENTAL CLEARANCE -REGARDING.

The committee decided to call for TOR with additional information related to management of the air pollution within the site of operation.

They must undertake to periodical health checkup to employees.

The entire report including Form-I and mitigate measures for environmental pollution control should be restructured.

The risk assessment for the tank farm and the process plant to be carried out.

The project proponent has to re-present in the next SEAC meeting.

5-01-07 M/S. TANFAC INDUSTRIES LTD, SIPCOT INDUSTRIAL COMPLEX, CUDDALORE, CUDDALORE DISTRICT - - ENVIRONMENTAL CLEARANCE -REGARDING.

The committee decided to recommend for grant of Environmental Clearance subject to the following condition:

1. The unit has to continue to monitor their new product with appropriate gadgets.

5-01-08 M/S. ASIAN PAINTS, PENTA DIVISION, B-5 TO B-10, SIPCOT INDUSTRIAL ESTATE, KUDIKADU VILLAGE, CUDDALORE DISTRICT. - 5(f) SYNTHETIC ORGANIC CHEMICALS INDUSTRY - ENVIRONMENTAL CLEARANCE -REGARDING.

The Committee suggested the following TORs for the preparation of EIA/EMP Report for the project-

A. Project Description

- Executive summary of the project
- Compliance status to the conditions stipulated while according environmental clearance to the existing project
- A filled in Questionnaire on the Industry sector as devised earlier
- Justification of project.
- Promoters and their back ground
- Project site location along with site map of 10 km area and site details providing various industries, surface water bodies, forests etc.
- Project cost
- Regulatory framework

- Project location and Plant layout.
- Existing infrastructure facilities including power sources.
- Existing environmental scenario.
- Total cost of the project along with cost for environment protection measures.
- Water source and utilization including existing and proposed water balance.
- Product spectrum (Existing and proposed products along with production Capacity) and processes
- List of hazardous chemicals with their toxicity levels.
- Storage and Transportation of raw materials and products.
- Mass balance of each product along with the batch size
- Pollution potential from the proposed products
- Detailed scheme for waste water treatment along with characteristics of inlet and outlet waste water. The treatment scheme to meet discharge norms of APPCB. Final discharge point.

B. Description of the Environment and Baseline Data Collection

- Demarcation of Impact boundary (5 km from the project site)
- Micrometeorological data for wind speed, direction, temperature, humidity and rainfall in 5 km area.
- Study of Data from secondary sources.
- Topography, drainage and soil characteristics. Local area hydrology, storm water drainage etc.
- Details of the water source available in the impact area (Depth of ground water table, data from the available secondary sources)
- Other industries in the impact area
- Prevailing environment quality standards
- Existing environmental status vis a vis air, water, noise, soil in 5 km area from the project site for SPM, RSPM, SO₂, NO_x, CO, HCl, HC and VOC.
- Periodic monitoring of vents from condensers in the existing plant .

C. Socio Economic Data

- Existing socio-economic status, land use pattern and infrastructure facilities available in the study area were surveyed.

D. Impacts Identification and Mitigatory Measures

- Identification of impacting activities from the proposed project during construction and operational phase.
- Impact on air (Organic and inorganic pollutants) and mitigation measures including green belt
- Impact on water environment and mitigation measures (Details of ETP design will be in EMP). Location of final disposal and downstream usages of disposal point.
- Soil pollution source and mitigation measures
- Noise generation and control.
- Ground water abstraction and its impact on water sources.
- Solid waste quantification and disposal.
- Control of fugitive emissions

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.
- Chillers should be provided for chilled brine circulation to condensate the solvent vapors and reduce solvent losses.
- Solvent recovery plant should be installed to recover the solvents and solvents generated from the vents and in the work zone environment should be monitored

F. Risk Assessment

- Objectives, Philosophy and methodology of risk assessment
- Details of manufacturing process of proposed products
- Details on storage facilities
- Process safety, transportation, fire fighting systems, safety features and emergency capabilities to be adopted.
- Identification of hazards
- Compatibility studies and special hazards
- Consequence analysis through occurrence & evaluation of incidents
- Selection of incidents and consequence calculations
- Recommendations on the basis of risk assessment done
- Disaster Management Plan.
- Safety precautions for the storage of Chemicals and vapour condensation.

G. Occupational Health and Safety Program for the Project.

H. Information on Rain Water Harvesting

I. Green Belt Development plan

J. Public Hearing

Since, the unit is located in the Notified Industrial Area, Public hearing is not required as per para 7 (i) III b-Stage (3) public consultation. The project is listed at Sl. No. 5(f) in the Schedule of EIA Notification, 2006.

The Proponent should prepare EIA/EMP Report based on the above TORs. The EIA/EMP Report should be as per the generic structure given in Appendix-III of EIA Notification, 2006. The final EIA/EMP may be submitted to the SEIAA, TN for obtaining environmental clearance.

5-01-09 M/S. BANNARI AMMAN SUGARS LIMITED, KOLUNDAMPATTU VILLAGE, THIRUVANNAMALAI DISTRICT - 5(j) SUGAR MILL – ENVIRONMENTAL Clearance -Regarding.

The project activity is listed at 5 (j) and is of B category under the Schedule of EIA Notification, 2006. The Committee suggested the following TORs for the preparation of EIA/EMP report for the project -

A. Project Description

- Justification of project.
- Promoters and their back ground
- Project site location along with site map of 10 km area and site details providing various industries, surface water bodies, forests etc.
- Project cost
- Regulatory framework
- Project location and Plant layout.
- Existing infrastructure facilities
- Water source and utilization including existing and proposed water balance.
- Product spectrum (Existing and proposed products along with production Capacity) and process
 - List of hazardous chemicals with their toxicity levels.
- Mass balance of product
- Pollution potential from the proposed products
- Complete Scheme for zero discharge
- Storage and Transportation of raw materials and products.
- Existing environmental scenario

B. Description of the Environment and Baseline Data Collection

- Demarcation of Impact boundary (5 km from the project site)
- Micrometeorological data for wind speed, direction, temperature, humidity and rainfall in 5 km area.
- Study of Data from secondary sources.
- Topography, drainage and soil
- Details of the water source available in the impact area (Depth of ground water table, data from the available secondary sources)
- Other industries in the impact area
- Prevailing environment quality standards
- Existing environmental status vis a vis air, water, noise, soil in 5 km area from the project site. For SPM, RSPM, SO₂, NO_x, CO.
- Ground water quality at 5 locations within 5 km.
- Viability of Ground water as a source.
- Local area hydrology, storm water drainage etc.
- Complete water balance

C. Socio Economic Data

- Existing socio-economic status, land use pattern and infrastructure facilities available in the study area were surveyed.

D. Impacts Identification And Mitigatory Measures

- Identification of impacting activities from the proposed project during construction and operational phase.
- Impact on air (Organic and inorganic pollutants) and mitigation measures including green belt
- Impact on water environment and mitigation measures (Details of ETP design will be in EMP).
- Soil pollution source and mitigation measures
- Noise generation and control.
- Ground water abstraction and its impact on water sources.
- Solid waste quantification and disposal.
- Control of fugitive emissions

E. Environmental Management Plan

- Details of pollution control measures
- Environment management team
- Proposed schedule for environmental monitoring including post project

F. Risk Assessment

- Objectives, Philosophy and methodology of risk assessment
- Details of manufacturing process
- Details on storage facilities
- Process safety, transportation, fire fighting systems, safety features and emergency capabilities to be adopted.
- Identification of hazards
- Consequence analysis through occurrence & evaluation of incidents
- Selection of incidents and consequence calculations
- Recommendations on the basis of risk assessment done
- Disaster Management Plan.
- Safety precautions for the storage of Chemicals.

G. Information for Control of Fugitive Emissions

H. Post Project Monitoring Plan for Air, Water, Soil and Noise.

I. Occupational Health and Safety Program for the Project.

J. Information on Rain Water Harvesting

K. Green Belt Development plan

L. Public Hearing

Action plan in the tabular form to the issues/suggestions made during the public hearing along with the implementation plan and allocation of funds.

The Proponent should prepare EIA/EMP Report based on the above TORs and submit the same to the TNPCB for conducting Public Hearing. The EIA/EMP Report should be as per the generic structure given in Appendix-III of EIA Notification, 2006. The concerns emerged during the Public Hearing may be incorporated in the EIA/EMP Report and the final EIA/EMP may be submitted to the SEIAA, TN for obtaining environmental clearance.

5-01-10 M/S GLOBAL POWER TECH EQUIPMENTS LTD, AYALAVADI VILLAGE, THIRUVANNAMALAI DISTRICT.- 1(d) THERMAL POWER PLANTS - ENVIRONMENTAL CLEARANCE -REGARDING.

Based on the consideration of the documents submitted and the presentation made by the project proponent, the Committee prescribed the following Terms of Reference (TORs) for preparing draft EIA report for the above mentioned project:

- i) All the coordinates of the plant site as well as ash pond with topo sheet.
- (ii) The study area should cover an area of 10 km radius around the proposed site.
- (iii) Land use of the study area as well as the project area shall be given.
- (iv) Location of any National Park, Sanctuary, Elephant / Tiger Reserve (existing as well as proposed), migratory routes, if any, within 10 km of the project site shall be specified and marked on the map duly authenticated by the Chief Wildlife Warden.
- (v) Land requirement for the project to be optimized. Item wise break up of land requirement and its availability to be furnished. The norms prescribed by CEA should be kept in view.
- (vi) Details of RO plant and disposal of RO rejects, boiler blow down, softner rejects to be furnished.
- (vii) Topography of the area should be given clearly indicating whether the site requires any filling. If so, details of filling, quantity of fill material required, its source, transportation etc. should be given.
- (viii) Impact on drainage of the area and the surroundings.
- (ix) Information regarding surface hydrology and water regime and impact of the same, if any due to the project.
- (x) One season site-specific meteorological data shall be provided.
- (xi) One complete season AAQ data (except monsoon) to be given along with the dates of monitoring. The parameters to be covered shall include SPM, RSPM, SO₂ NO_x and Ozone (ground level). The location of the monitoring stations should be so decided so as to take into

consideration the pre-dominant downwind direction, population zone and sensitive receptors including reserved forests. There should be at least one monitoring station in the upwind direction.

- (xii) Impact of the project on the AAQ of the area. Details of the model used and the input data used for modeling should also be provided. The air quality contours may be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any. The wind roses should also be shown on this map.
- (xiii) Fuel analysis to be provided (sulphur, ash content and mercury). Details of auxiliary fuel, if any including its quantity, quality, storage etc should also be given.
- (xiv) Quantity of fuel required its source and transportation. A confirmed fuel linkage should be provided.
- (xv) Source of water and its availability. Commitment regarding availability of requisite quantity of water from the competent authority. Necessary approval letter should be obtained from the competent authority for drawl of ground water if any.
- (xvi) Details of rainwater harvesting and how it will be used in the plant.
- (xvii) Examine the feasibility of zero discharge. In case of any proposed discharge, its quantity, quality and point of discharge, users downstream etc. should be provided.
- (xviii) Optimization of COC for water conservation. Other water conservation measures proposed in the project should also be given.
- (xix) Details of water balance taking into account reuse and re-circulation of effluents.
- (xx) Details of greenbelt i.e. land with not less than 1500 trees

per ha giving details of species, width of plantation, planning schedule etc.

- (xxi) Detailed plan of ash utilization / management.
- (xxii) Details of evacuation of ash.
- (xxiii) Details regarding ash pond impermeability and whether it would be lined, if so details of the lining etc.
- (xxiv) Detailed R&R plan/compensation package for the project affected people shall be prepared taking into account the socio economic status of the area, homestead oustees, land oustees, landless laboureres.
- (xxv) Details of flora and fauna duly authenticated should be provided. In case of any scheduled fauna, conservation plan should be provided.
- (xxvi) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- (xxvii) Public hearing points raised and commitment of the project proponent on the same. An action plan to address the issues raised during public hearing and the necessary allocation of funds for the same should be provided.
- (xxviii) Measures of socio economic influence to the local community proposed to be provided by project proponent. As far as possible, quantitative dimension to be given.
- (xxix) Impact of the project on local infrastructure of the area such as road network and whether any additional infrastructure would need to be constructed and the agency responsible for the same with time frame.
- (xxx) EMP to mitigate the adverse impacts due to the project along with item wise cost of its implementation.

- (xxxi) Risk assessment to be undertaken. Based on the same, proposed safeguard measures should be provided. Measures to guard against fire hazards should also be provided.
- (xxxii) Any litigation pending against the project and /or any direction /order passed by any Court of Law against the project, if so, details thereof.

Besides the above, the following general points will be followed:-

- a) All documents to be properly referenced with index, page numbers and continuous page numbering.
- b) Where data is presented in the report especially in table, the period in which the data was collected and the source should invariably be indicated.
- c) Where the documents provided are in a language other than English, an English translation should be provided.
- d) The Questionnaire for environmental appraisal of thermal power projects as devised earlier by the MoEF shall also be filled and submitted.

In addition to the above, information on the following may also be incorporated in the EIA report.

1. Is the project intended to have CDM-intent?
 - (i) If not, then why?
 - (ii) If yes, then
 - (a) Has PIN (Project Idea Note) {or PCN (Project Concept Note)} submitted to the NCA (National CDM Authority) in the MoEF.
 - (b) If not, then by when is that expected.
 - (c) Has PDD (Project Design Document) been prepared.
 - (d) What is the Carbon intensity from your electricity generation projected (i.e. CO₂ Tons/MWH or Kg/KWH)
 - (e) Amount of CO₂ in Tons/year expected to be reduced from the baseline data available on the CEA web-site (<http://www.cea.nic.in/>)

Notwithstanding 1(i) above, data on (d) & (e) above to be worked out and reported.

After preparing the draft EIA (as per the generic structure prescribed in Appendix-III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will get the public hearing conducted and take further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006. The final EIA/EMP may be submitted to the SEIAA, TN for obtaining environmental clearance.

5-01-11 M/S. BANNARI AMMAN TECHNO PARK PVT LTD., KALAPATTI VILLAGE, COIMBATORE DISTRICT - 8(a) BUILDING & CONSTRUCTION PROJECTS - ENVIRONMENTAL CLEARANCE -REGARDING. The committee decided to recommend for grant of environmental clearance subject to the submission of following details.

1. A documentary evidence for supply of water and also for the source of water supply.
2. Water balance statement & evaporation loss with respect to cooling towers.
3. Classification and quantification of E-waste
4. Application of the solar power and the level of saving energy.
5. The details of green belt area and species.
6. Environmental Management Plan for monitoring of the pollutants (air, water & solid).
7. Odour control measures for the Bio gas plant

DAY – 2

5-01-12 M/S GOVERNMENT MOHAN KUMARAMANGALAM MEDICAL COLLEGE HOSPITAL, SALEM - HOSPITAL CONSTRUCTION PROJECT - T.S. NO. 10(p), 12/1(p), 12/2, & 12/3, Ward G, Block – 1, Teiyori Village, SALEM, SALEM DISTRICT - 8(a) BUILDING & CONSTRUCTION PROJECTS - ENVIRONMENTAL CLEARANCE -REGARDING
The details called for have not been adequately responded by the proponent.

The facilities provided in the existing hospitals for management of the bio medical waste should be highlighted and integrated if necessary with the proposed new hospital.

5-01-13 M/S. JAYASREE FINANCIERS, SHOLINGANALLUR VILLAGE, KANCHEEPURAM DISTRICT. - 8(a) BUILDING & CONSTRUCTION PROJECTS - ENVIRONMENTAL CLEARANCE -REGARDING.

The committee decided to recommend for grant of environmental clearance subject to the submission of following details

1. Physical, Chemical & biological characteristics of the sewage generated from the proposed project at the inlet & outlet of the proposed Sewage Treatment Plant.
2. Reuse of the solid waste generated from the STP and the management of non biodegradable and biodegradable waste.
3. Management of the odour by appropriate catridges to be fitted to the stacks with mechanism.
4. Commitment letter from the CMWSSB for the supply of water.

5-01-14 M/S.IVR HOTELS & RESORTS LTD, KUNNAM VILLAGE, KANCHEEPURAM DISTRICT.- CONSTRUCTION HOTEL AND RESORT – 8(a) BUILDING & CONSTRUCTION PROJECTS - ENVIRONMENTAL CLEARANCE -REGARDING.

The committee decided to recommend for grant of environmental clearance subject to the submission of following details:

1. The quality of the ground water and surface water to be used for construction and operation of the Hotel, residences, hospital etc.,to be furnished.
2. The water quality of the existing ponds and the proposed management practice for maintenance of the water quality of the ponds.
3. Periodical monitoring of the quality of the ground water.
4. The quantum and nature the waste from each of the activities in the complex to be specified and detailed waste management procedures of these wastes to be presented along with the regulatory norms to be adhered to.
5. The proponent has to ensure that the ground water quality and the nearby lake water quality is no way impaired due to

construction and operation of the project. Proponent has to explain how he proposes to meet this requirement.

6. Details on the biodiversity and fishery potential of the lakes need to be provided alongwith the phyto and zoo plankton and also the benthos.

5-01-15 M/S. SATYAM COMPUTERS SERVICES LTD, KUNNAM VILLAGE, KANCHEEPURAM DISTRICT.- IT PARK - CONSTRUCTION PROJECT -- 8(b) BUILDING & CONSTRUCTION PROJECTS - ENVIRONMENTAL CLEARANCE -REGARDING.

The committee decided to recommend for grant of environmental clearance subject to the submission of following details:

1. Source of water for use by the Proponent may be furnished.
2. The management practice of the STP built in stages should be furnished.
3. Management of the storm water should be mentioned with due consideration for the prevention of possible inundation during monsoon.
4. Management of the solid waste should be highlighted.
5. Depth of filling of the low lying land with acquired soil/locally available soil, if acquired, indicate the source.
6. The documentary evidence for the drainage carrier proposed by the ELCOT.

5-01-16 M/S. RAKINDO KOVAI TOWN SHIP LIMITED, THEETIPALAYAM, PERURCHETTIPALAYAM & SUNDAKAMUTHUR VILLAGE, COIMBATORE SOUTH TALUK, COIMBATORE DISTRICT.- TOWNSHIPS & AREA DEVELOPMENT PROJECT - 8(b) - ENVIRONMENTAL CLEARANCE - REGARDING.

The committee makes the following observations based on the submission:

1. The Environmental implications of the rainwater runoff, beneficiaries on the down stream areas, riparian rights of the villagers using the Nullah water should be protected.
2. Environmental Impact of the golf course operation to be detailed with special reference to use of the pesticides. The ecological

impact of using a exotic grass in that area to be detailed.

3. Calculation of no.of vehicles and the corresponding parking area should be reassessed on the basis of I T & ITES Industries .

4. The proposed site is abetting the reserved forest area, therefore the impact of the proposed activity on the flora & fauna of the forest area must be evaluated.

5. Waste water and solid waste management scheme must be detailed.

6. Socio economic studies must be conducted.

The committee recommends for grant of environmental clearance on submission of the above details.

5-01-17 M/S.ETL INFRASTRUCTURE SERVICES LTD, PALLIKARANAI VILLAGE, THORAIPAKKAM, KANCHEEPURAM DISTRICT..- 8(b) BUILDING & CONSTRUCTION PROJECTS - ENVIRONMENTAL CLEARANCE - REGARDING.

The committee makes the following observations based on the submission:

1. Detailed site plan including the Pallikaranai Marsh area to be furnished.

2. Detailed storm water management and runoff for their impact on the neighboring eco system (wet land). Existing storm water system of the area may be explained.

3. Details of land features within 5 km radius and 10 km radius.

4. Details of the roads linking the project site with the main road.

The committee recommends for grant of environmental clearance on submission of the above details.

5-01-18 M/S. ARS METALS PRIVATE LIMITED, ROLLING MILL DIVISION, SIPCOT INDUSTRIAL COMPLEX, GUMMIDIPOONDI, THIRUVALLUR DISTRICT. - 3(a) METALLURGICAL INDUSTRIES (FERROUS & NON-FERROUS) - ENVIRONMENTAL CLEARANCE -REGARDING.

The committee makes the following observations based on the submission:

1. Considering the scrap characteristics the nature of emissions from the furnace need to be detailed and appropriate air pollution control measures to be incorporated.
2. The emission of the suspended particulate and their quantum to be assessed at raw material and slag handling yards.
3. The constituents of slag particles and their size distribution are to be furnished.
4. The chimney height for the existing plant and proposed plant with the respective flue gas velocity and design details of the chimney to be furnished.
5. Details scheme of air quality monitoring are to be furnished.

The committee recommends for grant of environmental clearance on submission of the above details.

5-01-19 M/S. ETA POWERGEN PVT.LTD, PERAYYANPATTI VILLAGE, SATTUR TALUK, VIRUDHUNAGAR DISTRICT. - 1 (d) THERMAL POWER PLANTS - ENVIRONMENTAL CLEARANCE - REGARDING.

Based on the consideration of the documents submitted and the presentation made by the project proponent, the Committee prescribed the following Terms of Reference (TORs) for preparing draft EIA report for the above mentioned project:

- i) All the coordinates of the plant site as well as ash storage with topo sheet.
- ii) The study area should cover an area of 10 km radius around the proposed site.
- iii) Land use of the study area as well as the project area shall be given.
- iv) Location of any National Park, Sanctuary, Elephant / Tiger Reserve (existing as well as proposed), migratory routes, if any, within 10 km of the project site shall be specified and marked on the map duly authenticated by the Chief Wildlife Warden.

- v) Land requirement for the project to be optimized. Item wise break up of land requirement and its availability to be furnished. The norms prescribed by CEA should be kept in view.
- vi) Details of DM plant and disposal of DM regeneration, boiler blow down, to be furnished.
- vii) Topography of the area should be given clearly indicating whether the site requires any filling. If so, details of filling, quantity of fill material required, its source, transportation etc. should be given.
- viii) Impact on drainage of the area and the surroundings.
- ix) Information regarding surface hydrology and water regime and impact of the same, if any due to the project.
- x) One season site-specific meteorological data shall be provided.
- xi) One complete season AAQ data (except monsoon) to be given along with the dates of monitoring. The parameters to be covered shall include SPM, RSPM, SO₂ NO_x and Ozone (ground level). The location of the monitoring stations should be so decided so as to take into consideration the pre-dominant downwind direction, population zone and sensitive receptors including reserved forests. There should be at least one monitoring station in the upwind direction.
- xii) Impact of the project on the AAQ of the area. Details of the model used and the input data used for modeling should also be provided. The air quality contours may be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any. The wind roses should also be shown on this map.
- xiii) Fuel analysis to be provided.

- xiv) Quantity of fuel required its source and transportation. A confirmed fuel linkage should be provided.
- xv) Source of water and its availability. Commitment regarding availability of requisite quantity of water from the competent authority. Necessary approval letter should be obtained from the competent authority for drawl of ground water if any.
- xvi) Details of rainwater harvesting and how it will be used in the plant.
- xvii) Examine the feasibility of zero discharge. In case of any proposed discharge, its quantity, quality and point of discharge, users downstream etc. should be provided.
- xviii) Details of water balance taking into account reuse and re-circulation of effluents.
- xix) Details of greenbelt i.e. land with not less than 1500 trees per ha giving details of species, width of plantation, planning schedule etc.
- xx) Detailed plan of ash utilization / management.
- xxi) Details of evacuation of ash.
- xxii) Details regarding ash storage etc.
- xxiii) Details of flora and fauna duly authenticated should be provided. In case of any scheduled fauna, conservation plan should be provided.
- xxiv) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- xxv) Public hearing points raised and commitment of the project proponent on the same. An action plan to address the issues raised during public hearing and the necessary

allocation of funds for the same should be provided.

- xxvi) Measures of socio economic influence to the local community proposed to be provided by project proponent. As far as possible, quantitative dimension to be given.
- xxvii) Impact of the project on local infrastructure of the area such as road network and whether any additional infrastructure would need to be constructed and the agency responsible for the same with time frame.
- xxviii) EMP to mitigate the adverse impacts due to the project along with item wise cost of its implementation.
- xxix) Any litigation pending against the project and /or any direction /order passed by any Court of Law against the project, if so, details thereof.

Besides the above, the following general points will be followed:-

- a) All documents to be properly referenced with index, page numbers and continuous page numbering.
- b) Where data is presented in the report especially in table, the period in which the data was collected and the source should invariably be indicated.
- c) Where the documents provided are in a language other than English, an English translation should be provided.
- d) The Questionnaire for environmental appraisal of thermal power projects as devised earlier by the MoEF shall also be filled and submitted.

In addition to the above, information on the following may also be incorporated in the EIA report.

1. Is the project intended to have CDM-intent?

- (i) If not, then why?
- (ii) If yes, then

(a)Has PIN (Project Idea Note) {or PCN (Project

Concept Note}) submitted to the NCA (National CDM Authority) in the MoEF.

(b) If not, then by when is that expected.

(c) Has PDD (Project Design Document) been prepared.

(d) What is the Carbon intensity from your electricity generation projected (i.e. CO₂ Tons/MWH or Kg/KWH)

(e) Amount of CO₂ in Tons/year expected to be reduced from the baseline data available on the CEA web-site (<http://www.cea.nic.in/>)

Notwithstanding 1(i) above, data on (d) & (e) above to be worked out and reported.

After preparing the draft EIA (as per the generic structure prescribed in Appendix-III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will get the public hearing conducted and take further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006. The final EIA/EMP may be submitted to the SEIAA, TN for obtaining environmental clearance.

5-01-20 M/S. ACTAVIS PHARMA MANUFACTURING PVT.LTD, SIDCO PHARMACEUTICAL INDUSTRIAL ESTATE, ALATHUR, CHENGALPATTU TALUK, KANCHEEPURAM DISTRICT. - 5(f) SYNTHETIC ORGANIC CHEMICALS INDUSTRY - ENVIRONMENTAL CLEARANCE - REGARDING.

The committee decided to recommend for grant of environmental clearance subject to the submission of following details.

1) Environmental scenario as for the current level of production should be presented along with production of new products and processes should be furnished.

2) The characteristics of the trade waste for the present level of production and the same for the future operation of plant along with modification of the existing waste treatment facility should be furnished.

5-01-21 M/S. VIGNESH CEMENT & ADDITIVES, POONAMALLEE-THIRUVALLUR HIGHWAY, ARANVOYAL VILLAGE, THIRUVALLUR DISTRICT. - 3 (b) CEMENT GRINDING - ENVIRONMENTAL CLEARANCE - REGARDING.

The committee decided to recommend for grant of environmental clearance subject to the submission of following details.

- 1) The monitoring arrangements for quantifying the cement dust arising from the sources including loading and unloading of the cement at the packing yard, transfer points, bag filters etc. should be furnished.
- 2) The physical and chemical composition of the cement dust including particle size analysis should be furnished.
- 3) Health check up for the employees has to be taken up periodically.

5-01-22 M/S TANTECH AGRO CHEMICALS LTD., KUDIKADU, CUDDALORE. 5(f) SYNTHETIC ORGANIC CHEMICALS INDUSTRY - ENVIRONMENTAL CLEARANCE - REGARDING.

The Committee suggested the following TORs for the preparation of EIA/EMP Report for the project-

A. Project Description

- Executive summary of the project
- Compliance status to the conditions stipulated while according Consent Condition of TNPCB to the existing project
- A filled in Questionnaire on the Industry sector as devised earlier
- Justification of project.
- Promoters and their back ground
- Project site location along with site map of 10 km area and site details providing various industries, surface water bodies, forests etc.
- Project cost
- Regulatory framework
- Project location and Plant layout.
- Existing infrastructure facilities including power sources.
- Existing environmental scenario.
- Total cost of the project along with cost for environment protection measures.
- Water source and utilization including existing and proposed water balance.
- Product spectrum (Existing and proposed products along with production Capacity) and processes
- List of hazardous chemicals with their toxicity levels.
- Storage and Transportation of raw materials and products.
- Mass balance of each product along with the batch size
- Pollution potential from the proposed products
- Detailed scheme for waste water treatment along with

characteristics of inlet and outlet waste water. The treatment scheme to meet discharge norms of TNPCB. Final discharge point.

B. Description of the Environment and Baseline Data Collection

- Demarcation of Impact boundary (10 km from the project site)
- Micrometeorological data for wind speed, direction, temperature, humidity and rainfall in 10 km area.
- Study of Data from secondary sources.
- Topography, drainage and soil characteristics. Local area hydrology, storm water drainage etc.
- Details of the water source available in the impact area (Depth of ground water table, data from the available secondary sources)
- Other industries in the impact area
- Prevailing environment quality standards
- Existing environmental status vis a vis air, water, noise, soil in 10 km area from the project site for SPM, RSPM, SO₂, NO_x, CO, HC and VOC.
- Periodic monitoring in the existing plant .

C. Socio Economic Data

- Existing socio-economic status, land use pattern and infrastructure facilities available in the study area.

D. Impacts Identification and Mitigatory Measures

- Identification of impacting activities from the proposed expansion project during construction and operational phase.
- Impact on air (Organic and inorganic pollutants) and mitigation measures including green belt
- Impact on water environment and mitigation measures.
- Soil pollution source and mitigation measures
- Noise generation and control.
- Solid waste quantification and disposal.
- Control of fugitive emissions

E. Environmental Management Plan

- Details of pollution control measures
- Environment management plan
- Proposed schedule for environmental monitoring including post project monitoring for Air, Water, Soil and Noise.
- Chillers should be provided for chilled brine circulation to condensate the solvent vapors and reduce solvent losses.
- Solvent recovery plant should be installed to recover the solvents and solvents generated from the vents and in the work zone environment should be monitored.

F. Risk Assessment

- Objectives, Philosophy and methodology of risk assessment
- Details of manufacturing process of proposed products
- Details on storage facilities
- Process safety, transportation, fire fighting systems, safety features and emergency capabilities to be adopted.
- Identification of hazards
- Compatibility studies and special hazards
- Consequence analysis through occurrence & evaluation of incidents

- Selection of incidents and consequence calculations
- Recommendations on the basis of risk assessment done
- Disaster Management Plan.
- Safety precautions for the storage of Chemicals and vapour condensation.

G. Occupational Health and Safety Program for the Project.

H. Information on Rain Water Harvesting

I. Green Belt Development plan

J. Since, the unit is located in the Notified Industrial Area, Public consultation is not required as per para 7 (i) III b-Stage (3) public consultation. The project is listed at

Sl. No. 5(f) in the Schedule of EIA Notification, 2006.

The Proponent should prepare EIA/EMP Report based on the above TORs. The EIA/EMP Report should be as per the generic structure given in Appendix-III of EIA Notification, 2006. The final EIA/EMP may be submitted to the SEIAA, TN for obtaining environmental clearance.

5-01-23 M/S MFAR HOTELS LTD, VELACHERY MAIN ROAD, CHENNAI. - CONSTRUCTION OF HOTEL - 8(a) BUILDING & CONSTRUCTION PROJECTS - ENVIRONMENTAL CLEARANCE - REGARDING.

Due to the non availability of time the Committee decided to take-up the appraisal of this project at the forth coming meeting.

5-01-24 M/S COVAI PROPERTY CENTRE (I) PRIVATE LIMITED, PULLIYAKULAM MAIN ROAD, COIMBATORE DISTRICT.- 8(a) BUILDING & CONSTRUCTION PROJECTS - ENVIRONMENTAL CLEARANCE - REGARDING.

Due to the non availability of time the Committee decided to take-up the appraisal of this project at the forth coming meeting.