

**MINUTES**  
**FIFTEENTH MEETING OF STATE LEVEL EXPERT APPRAISAL**  
**COMMITTEE (SEAC), TAMILNADU, CHENNAI-15 HELD ON 8<sup>th</sup> & 9<sup>th</sup>**  
**DECEMBER 2009.**

**PRESENT:1**

**Expert Committee**

1. Dr. Muthiah Mariappan	Chairman	2. Shri. R. Ramachandran	Secretary
3. Dr. K. Thanasekaran	Member	4. Dr. M.P. Chockalingam,	Member
5. Dr.S.Sivanesan	Member	6. Dr. V. Sunderaraj	Member
7. Shri V.Ramdoss	Member	8. Dr. A.G. Murugesan	Member
9. Shri.P.M.Natarajan	Member		

**Representatives of the Projects**

- Representatives of M/s. Puruvankara Projects Ltd, Residential Project at Pudupakkam Village, Kancheepuram District
- Representatives of M/s. I.I.T.Research Park – Madras, Kanagam Village, Chennai District
- Representatives of M/s. Tulsyan Power Limited Chennai District
- Representatives of M/s.Aarupadai Veedu Institute of Technology (AVIT), Kancheepuram District
- Representatives of M/s.Ganga Medical Centre & Hospitals (P) Limited, Sanganur Village,Coimbatore north Taluk & District.
- Representatives of M/s. TICEL Bio Park Limited, Chennai District
- Representatives of M/s. DLF Commercial Developers Ltd., Chennai District.
- Representatives of M/s.Malladi Drugs Pharmaceuticals Limited, SIPCOT Industrial Complex, Vellore District
- Representatives of M/s. Sri Raasi Industries India Pvt.Ltd, Namakkal District
- Representatives of M/s.VIT University, Melakottaiyur and Kilakottaiyur Villages, Kancheepuram District
- Representatives of M/s. S V Sugar Mills Limited, Kancheepuram Taluk & District.
- Representatives of M/s.Arihant Foundations & Housing Ltd, Kancheepuram District
- Representatives of M/s. R.Rengarajan/R.Subramani Residential Project, Kancheepuram District.
- Representatives of M/s.Ind - Bharath Power (Karwar) Ltd., Tuticorin District.
- Representatives of M/s.Unitech Ltd, Nallambakkam Village, Kancheepuram District
- Representatives of M/s. Raj shree Sugars & Chemicals Ltd, Vilupuram District.

**Day - 1**

<b>15.00.00</b>	<b>GENERAL INTRODUCTION BY THE CHAIRMAN AND SECRETARY OF THE COMMITTEE</b>
	The Chairman and Secretary welcomed the Members of the SEAC for the Fifteenth meeting and the additional details submitted by the project proponents along with other applications received were taken for appraisal.

- 15-01-01 **M/s. Puruvankara Projects Ltd, Residential Project at Pudupakkam Village, Chengalpattu Taluk, Kancheepuram District -Environmental Clearance-Regarding.**

A letter of endorsement from competent Authority for supplying water specifying the quantity in KLD to the proposed activity shall be obtained.

Test report of soil containing physical and chemical parameters to ensure suitability for building construction.

Specifications of the membranes proposed to be provided, in the Membrane Bio reactor and performance of an existing MBR at Taj Hotel shall be furnished along with design criteria to be adopted in the proposed project.

Parameters of health to be monitored under Health coverage for workers during construction phase and their adoption in practice shall be stated.

**15-01-02 M/s. I.I.T.Research Park – Madras,Kanagam Village,Guindy Taluk, Chennai District - 8(a)-Building & Construction projects- Environmental Clearance-Regarding.**

The Proponent should make re-presentation of the scheme specifying the details of proposed research activities to be carried out at any point of time. Also the check list of the raw materials including water to be handled by the prospective clients and a centralized scheme to mitigate the pollution due to liquid and solid wastes need be furnished.

Lease Deed for the ownership of the land.

N.O.C from the Forest Department of the State Government.

**15-01-03 M/s. Tulsyan Power Limited, Apex Plaza, I Floor, Nungambakkam High Road, Chennai District - 1(d) - Thermal Power Plant - Environmental Clearance-Regarding.**

**The committee decided to issue the following TOR:**

- i) Unloading, sorting, storing and handling of fuel(s) and sources of pollution in the process of generation of power shall be detailed.
- ii) Details of various features including inhabitation, water bodies, forests, temple, schools, colleges, hospitals, etc situated within an area at 10km radius from the centre of the proposed activity site.
- iii) Location of any national park, wild life, sanctuary, existing reserve forest, migratory routes, defense establishments if any, within 10 km radius from the centre of the project activity site shall be mentioned and marked on the map.
- iv) Area wise break up of land use for reported activities and availability of space are to be furnished in a tabular form.
- v) Natural course of drainage of surface run-off shall be indicated on the contour map of the site.
- vi) At least one season barring monsoon season site-specific meteorological parameters including CO<sub>2</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, SPM, Fe, Mn, Pb etc wind pattern, humidity shall be provided.
- vii) Ambient Air Quality for parameters, SPM, RSPM data (except monsoon) to be given along CO<sub>2</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, etc shall be provided. The period of monitoring shall be indicated. 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.

- viii) Likely impact of air pollutants on soil, vegetation water bodies inhabitation within the area covered in 10 km radius from the centre of the activity site.
- ix) Proximate analysis of fuel including sulphur, moisture content, calorific value, heavy metals, etc of both primary and auxiliary fuel shall be provided. Also include the quanta of fuel(s) to be used in a day and stored for a month.
- x) Source of water and its availability for use in processes, drinking, cooling and washing shall be indicated. A letter of commitment from a competent authority for supply of required quantity of water shall be obtained. Also a letter from State PWD/Ground water Board shall be obtained for abstraction of ground water and the quantity to be withdrawn per day shall also be prescribed.
- xi) Details of rainwater harvesting and its reuse pattern shall be furnished..
- xii) Feasibility of recovery and reuse of spent water may be explored to ensure zero discharge.
- xiii) Conceptualized scheme for water conservation the extent of reuse and recycle within the operational areas shall be detailed..
- xiv) Details of water budget for reported activities and the proposed plan for reuse and recycling of treated waste water shall be furnished.
- xv) The extent of the green belt within the proposed area in accordance with the guidelines of CPCB shall be furnished.
- xvi) Details of ash handling plan including the storage, reuse pollution potential (Ground water pollution) shall be furnished.
- xvii) Scheme for arresting the leaching from ash pond to the adjoining open and borewells and monitoring plan shall be provided.
- xviii) Detailed R&R plan/compensation package for the affected people shall be prepared taking into account the socio economic status of the area, homestead outsets, land outsets, landless labourers.
- xix) Provide details of flora and fauna in the project site and plan for conservation of rare species in consulation with the State Forest Department.
- xx) EMP for mitigating the pollutants from the processes along with capital and operation and maintenance cost shall be provided.
- xxi) Plan for undertaking maximum credibility accident /risk analysis shall be furnished. The extent of the study shall be indicated on a site map.
- xxii) Any litigation pending against the project and /or any direction /order passed by any Court of Law against the project, if so, details thereof.
- xxiii) Proof of the document for the land use pattern of the proposed site shall be produced.
- xxiv) Details of RO plant and disposal of RO rejects, boiler blow-down, water softner rejects etc. are to be furnished.
- xxv) 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.
- xxvi) Highlight the impact of the proposed project on the local community in terms of employment, education, health care, water supply and sanitation, cultural activities, transport etc.

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) Proposed noise control measures and the items under PPE for workers along with the budgetary provision shall be furnished.

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

i) All documents to be properly referenced with index, page numbers and continuous page numbering.

ii) Where data are presented in the report especially in table, the period in which the data was collected and the source should invariably be indicated.

iii) 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. CO<sub>2</sub> Tons/MWH or Kg/KWH)

(e) Amount of CO<sub>2</sub> 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.

2. NOC from Forests Department to be retained and furnished.

3. Commitment letter from competent Authority for supply of water.

Points raised during the public hearing and commitment of the project proponent on issues raised by the public shall be recorded. An action plan to address the issues raised during public hearing and the necessary allocation of funds for the same should be provided.

**15-01-04 M/s.Aarupadai Veedu Institute of Technology (AVIT),Paiyanoor Village, Kancheepuram District - 8(a)-Building & Construction projects Environmental Clearance-Regarding.**

1. Designated team of engineers/scientists exclusively for Environmental Management within the activity site shall be incorporated in the EMP.

2. Tie-up with local bodies for distribution of manure for agricultural productions.

**15-01-05 M/s.Ganga Medical Centre & Hospitals (P) Limited, Sangapur Village,Coimbatore north Taluk & District - 8(a)-Building & Construction projects- Environmental Clearance-Regarding.**

The Proponent should make Re-presentation. The details viz, water balance, technology of waste management including control of pollutants

generating from operation theatre, wards, clinical laboratory, canteen, laundry etc., and proposed scheme/plan for biomedical wastes and the proposed EMP after the expansion of the hospital activities may be provided.

**15-01-06 M/s. TICEL Bio Park Limited, Thiruvanmiyur Village, C.S.I.R.Road, Taramani, Mylapore Taluk, Chennai District - 8(a)-Building & Construction projects- Environmental Clearance-Regarding.**

1. Baseline data for noise levels in and around the proposed site shall be provided.
2. Furnish details on the proposed activities in Phase-II of the Park along with check list and quantity of raw materials and products to be handled over a specific period.
3. Environmental Management programme to be adopted by the management and the commitment of the prospective clients for maintenance of environmental quality individually and collectively.
4. Provide a scheme for centralized facility for controlling water, air and noise pollution within the project site.
5. Furnish an authenticated document from competent agency for effecting supply of water for drinking and processes and collection and disposal of solid wastes generated from the activity sites.

**15-01-07 M/s.DLF Commercial Developers Ltd, Egmore Village, Chennai District - 8(a)-Building & Construction projects- Environmental Clearance-Regarding.**

1. An authenticated document obtained from a competent authority for claiming the ownership of the proposed land.
2. EMP of the proposed project shall include organizing camps awareness on Environmental pollution, safety and health. A separate fire safety contingent may be created to prevent and control of fire.
3. In-plant centralized facility to manage the biodegradable solid waste shall be included in EMP.

**15-01-08 M/s.Malladi Drugs Pharmaceuticals Limited, SIPCOT Industrial Complex, Ranipet, Vellore District - 5(f) Synthetic Organic Chemical (Bulk Drug) - Environmental Clearance-Regarding.**

The status of air, water, solid waste and noise management practices shall be furnished. Also, the future environmental scenario with expansion of activities shall be detailed.

Government of Tamil Nadu may be approached to obtain letter of relaxation of G.O.127, dt.8.5.98, since the expansion of activities/project at a site falling within 5 km radius from the nearest water body.

**15-01-09 M/s.Malladi Drugs Pharmaceuticals Limited, Unit III, SIPCOT Industrial Complex, Ranipet, Vellore District - 5(f) Synthetic Organic Chemical (Bulk Drug) - Environmental Clearance-Regarding.**

The committee took note of the content of the letter received from the

proponent (vide Ref. MDPLU3/TS/PC3/2009/069, dt.08.12.2009) expressing their intention to resubmit the application with necessary revision. Committee considered their request and decided to permit them to resubmit the revised application.

## **DAY 2**

### **15-02-1 M/s. Sri Raasi Industries India Pvt.Ltd, Perunkuruchi Village, Paramathi Vellur Taluk, Namakkal District - 3(a) Metallurgical Industries- Environmental Clearance-Regarding.**

#### **The committee decided to issue the following Terms of Reference (TOR) to the proponent:**

Current land use pattern of the proposed site shall be supported by an authenticated document of a state authority on the satellite imagery.

Location of national parks/wildlife sanctuary/reserve forests within 10 km. radius from the centre of the site for the proposed activity should be furnished.

Details of industries, inhabitations, hospitals, schools etc. located within 10 km radius from the centre of the site should be furnished.

Site-specific micro-meteorological data including temperature, relative humidity, wind speed and direction and rainfall should be provided.

List of raw materials required for production and capacity utilization within the site.

Manufacturing process details should be included.

Total capital cost and annual recurring cost earmarked for environmental pollution control measures.

Ambient air quality observed at atleast 8 locations for pollutants viz SO<sub>2</sub>, SPM, CO<sub>2</sub>, No<sub>x</sub>, Fe, Mn within 10 km radius of the project site shall be furnished.

Chemical composition of the RSPM and the concentration of the constituent heavy metals Fe, Ni, Mn, Pb, etc shall be presented.

- i. Air quality modeling for Steel Plant for estimating critical pollutants should be applied. Air Pollution Control measures provided at the induction furnace should be included.
- ii. Foreseeable Impact on the environment by transport and handling of raw materials and end products should be furnished.
- iii. The planned pollution control measures for the probable pollutorial load should be clearly detailed.
- iv. An action plan to control and monitor secondary and fugitive emissions as per CPCB guidelines should be included.
- v. Gaseous emissions So<sub>2</sub>, No<sub>x</sub> and CO<sub>2</sub> for at least one season shall be observed. Avoid monsoon season.
- vi. Necessary permission from competent authority for withdrawal of ground water within the site shall be obtained. Budgeting of water including quantity of waste Water/water for recycle and reuse and scheme for STP should be provided. Appropriate water conservation methods should be adopted with acceptable design criteria.
- vii. Monitoring of ground water for assessing the level of pollutants identifiable with process and products at eight locations around the site should be included. Geological and hydro geological and ecological observations made at the project site should be carried out and the data furnished appropriately.
- viii. Action plan for disposal of solid wastes generated during operation, storage, utilization and disposal of the processed solid wastes should be included.

- l). Risk assessment and preventive measures for controlling damage should be presented.
- l). Plan for implementation of scheme on occupational health of the workers should be provided.
- l). Green belt development plan as per CPCB guidelines shall be highlighted.
- . Scheme for implementation of rainwater harvesting shall be presented.
- l). Socio-economic development activities around the project site shall be highlighted.
- l). The necessary environmental protection measures for the generators (DG sets) should be provided as per the norms of CPCB.
- l). Water quality of nearby water bodies (rivers, lakes, Nallahs and drains) if any at upstream and downstream of the project area.
- l). Points raised during the public hearing and commitment of the project proponent on issues raised by the public shall be recorded. An action plan to address the issues raised during public hearing and the necessary allocation of funds for the same should be provided.

**15-02-2 M/s.VIT University, Melakottaiyur and Kilakottaiyur Villages, Chengalpattu Taluk, Kancheepuram District - 8(a)-Building & Construction projects- Environmental Clearance-Regarding.**

A letter of commitment from competent authority for supply of water meeting the demand as reported in the application form.

Water budgeting shall be worked out considering the consumption of water in canteen, hostels, dining halls, guest house, laboratory, library, etc.

Quantum of manure requirement for greenbelt development & mode of disposal of excess manure produced shall be furnished.

Treated sewage shall be tested for the presence of E coli and the quality of the same shall comply with the standards for flushing/cleaning as fixed by CPCB/MoEF.

**15-02-3 M/s. S V Sugar Mills Limited, Palayaseevaram Village, Kancheepuram Taluk & District - 1(d) - Thermal Power Plant - Environmental Clearance-Regarding.**

**The committee decided to issue the following TOR:**

Unloading, sorting, storing and handling of fuel(s) and sources of pollution in the process of generation of power shall be detailed.

Details of various features including inhabitation, water bodies, forests, temple, schools, colleges, hospitals, etc situated within an area at 10km radius from the centre of the proposed activity site.

Location of any national park, wild life, sanctuary, existing reserve forest, migratory routes, defense establishments if any, within 10 km radius from the centre of the project activity site shall be mentioned and marked on the map.

Area wise break up of land use for reported activities and availability of space are to be furnished in a tabular form.

Natural course of drainage of surface run-off shall be indicated on the contour map of the site.

At least one season barring monsoon season site-specific meteorological parameters including CO<sub>2</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, SPM, Fe, Mn, Pb etc wind pattern, humidity shall be provided.

Ambient Air Quality for parameters, SPM, RSPM data (except

monsoon) to be given along CO<sub>2</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, etc shall be provided. The period of monitoring shall be indicated. The location of the monitoring stations should be so decided so as to take into consideration the predominant downwind direction, population zone and sensitive receptors including reserved forests. There should be at least one monitoring station in the upwind direction.

Likely impact of air pollutants on soil, vegetation water bodies inhabitation within the area covered in 10 km radius from the centre of the activity site.

Proximate analysis of fuel including sulphur, moisture content, calorific value, heavy metals, etc of both primary and auxiliary fuel shall be provided. Also include the quantity of fuel(s) to be used in a day and stored for a month.

Source of water and its availability for use in processes, drinking, cooling and washing shall be indicated. A letter of commitment from a competent authority for supply of required quantity of water shall be obtained. Also a letter from State PWD/Ground water Board shall be obtained for abstraction of ground water and the quantity to be withdrawn per day shall also be prescribed.

Details of rainwater harvesting and its reuse pattern shall be furnished.

Feasibility of recovery and reuse of spent water may be explored to ensure zero discharge.

Conceptualized scheme for water conservation the extent of reuse and recycle within the operational areas shall be detailed.

Details of water budget for reported activities and the proposed plan for reuse and recycling of treated waste water shall be furnished.

The extent of the green belt within the proposed area in accordance with the guidelines of CPCB shall be furnished.

Details of ash handling plan including the storage, reuse pollution potential (Ground water pollution) shall be furnished.

Scheme for arresting the leaching from ash pond to the adjoining open and borewells and monitoring plan shall be provided.

Detailed R&R plan/compensation package for the affected people shall be prepared taking into account the socio economic status of the area, homestead outsets, land outsets, landless labourers.

Provide details of flora and fauna in the project site and plan for conservation of rare species in consultation with the State Forest Department.

EMP for mitigating the pollutants from the processes along with capital and operation and maintenance cost shall be provided.

Plan for undertaking maximum credibility accident analysis shall be furnished. The extent of the study shall be indicated on a site map.

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:-

All documents to be properly referenced with index, page numbers and continuous page numbering.

Where data are presented in the report especially in table, the period in which the data was collected and the source should invariably be

indicated.

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. CO<sub>2</sub> Tons/MWH or Kg/KWH)

(e) Amount of CO<sub>2</sub> 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.

2. Undertaking from cement plants for accepting fly ash.

Scrubber to be provided in addition to ESP for the off gases from the chimney attached to boiler.

Meteorology data observation period and time may be specified.

Baseline data for Ambient Air Quality, water quality & noise level and details of monitoring stations shall be furnished.

6. Points raised during the public hearing and commitment of the project proponent on issues raised by the public shall be recorded. An action plan to address the issues raised during public hearing and the necessary allocation of funds for the same should be provided.

**15-02-4 M/s.Arihant Foundations & Housing Ltd, Pudupakkam Village, Kancheepuram District - 8(a)-Building & Construction projects- Environmental Clearance-Regarding.**

**Recommended**

**15-02-5 M/s.R.Rengarajan/R.Subramani Residential Project, Srirangam Taluk, Trichy District - 8(a)-Building & Construction projects- Environmental Clearance-Regarding.**

Copy of ownership document.

DG set should be centralised and scrubber to be provided.

Filter press for sludge from chimney to be provided.

**15-02-6 M/s.Ind-Bharath Power (Karwar) Ltd, Swaminattam and Ottapidaram Villages, Ottapidaram Taluk, Tuticorin District - 1(d) - Thermal Power Plant - Revised EIA submission based on TOR- Environmental Clearance-Regarding.**

**The committee decided to issue the following TOR:**

i) Unloading, sorting, storing and handling of fuel(s) and sources of pollution in the process of generation of power shall be detailed.

Details of various features including inhabitation, water bodies, forests,

temple, schools, colleges, hospitals, etc situated within an area at 10km radius from the centre of the proposed activity site.

Location of any national park, wild life, sanctuary, existing reserve forest, migratory routes, defense establishments if any, within 10 km radius from the centre of the project activity site shall be mentioned and marked on the map.

Area wise break up of land use for reported activities and availability of space are to be furnished in a tabular form.

Natural course of drainage of surface run-off shall be indicated on the contour map of the site.

At least one season barring monsoon season site-specific meteorological parameters including CO<sub>2</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, SPM, Fe, Mn, Pb etc wind pattern, humidity shall be provided.

Ambient Air Quality for parameters, SPM, RSPM data (except monsoon) to be given along CO<sub>2</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, etc shall be provided. The period of monitoring shall be indicated. 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.

Likely impact of air pollutants on soil, vegetation water bodies inhabitation within the area covered in 10 km radius from the centre of the activity site.

Proximate analysis of fuel including sulphur, moisture content, calorific value, heavy metals, etc of both primary and auxiliary fuel shall be provided. Also include the quanta of fuel(s) to be used in a day and stored for a month.

Source of water and its availability for use in processes, drinking, cooling and washing shall be indicated. A letter of commitment from a competent authority for supply of required quantity of water shall be obtained. Also a letter from State PWD/Ground water Board shall be obtained for abstraction of ground water and the quantity to be withdrawn per day shall also be prescribed.

Details of rainwater harvesting and its reuse pattern shall be furnished..

Feasibility of recovery and reuse of spent water may be explored to ensure zero discharge.

Conceptualized scheme for water conservation the extent of reuse and recycle within the operational areas shall be detailed..

Details of water budget for reported activities and the proposed plan for reuse and recycling of treated waste water shall be furnished.

The extent of the green belt within the proposed area in accordance with the guidelines of CPCB shall be furnished.

Details of ash handling plan including the storage, reuse pollution potential (Ground water pollution) shall be furnished.

Scheme for arresting the leaching from ash pond to the adjoining open and borewells and monitoring plan shall be provided.

Detailed R&R plan/compensation package for the affected people shall be prepared taking into account the socio economic status of the area, homestead outsets, land outsets, landless labourers.

Provide details of flora and fauna in the project site and plan for conservation of rare species in consultation with the State Forest Department.

EMP for mitigating the pollutants from the processes along with capital and operation and maintenance cost shall be provided.

Plan for undertaking maximum credibility accident analysis shall be furnished. The extent of the study shall be indicated on a site map.

Any litigation pending against the project and /or any direction /order passed by any Court of Law against the project, if so, details thereof.

Proof of the document for the land use pattern of the proposed site shall be produced.

Details of RO plant and disposal of RO rejects, boiler blow-down, water softener rejects etc. are to be furnished.

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.

Highlight the impact of the proposed project on the local community in terms of employment, education, health care, water supply and sanitation, cultural activities, transport etc.

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.

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

All documents to be properly referenced with index, page numbers and continuous page numbering.

Where data are presented in the report especially in table, the period in which the data was collected and the source should invariably be indicated.

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. CO<sub>2</sub> Tons/MWH or Kg/KWH)
    - (e) Amount of CO<sub>2</sub> 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.

2. NOC from Forests Department to be retained and furnished.

3. Commitment letter from competent Authority for supply of water.

4. Points raised during the public hearing and commitment of the project proponent on issues raised by the public shall be recorded. An action plan to address the issues raised during public hearing and the necessary allocation of funds for the same should be provided.

- 15-02-7 **M/s.Unitech Ltd, Nallambakkam Village, Kancheepuram District - 8(a)- Building & Construction projects -Environmental Clearance-Regarding.**  
Commitment letter from competent authority for abstraction of water.
- 15-02-8 **M/s.Raj shree Sugars & Chemicals Ltd, Seemedu Village, Ginjee Taluk, Villupuram District -1(d) - Thermal Power Plant Environmental Clearance-Regarding.**

**The committee decided to issue the following TOR:**

Unloading, sorting, storing and handling of fuel(s) and sources of pollution in the process of generation of power shall be detailed.

Details of various features including inhabitation, water bodies, forests, temple, schools, colleges, hospitals, etc situated within an area at 10km radius from the centre of the proposed activity site.

Location of any national park, wild life, sanctuary, existing reserve forest, migratory routes, defense establishments if any, within 10 km radius from the centre of the project activity site shall be mentioned and marked on the map.

Area wise break up of land use for reported activities and availability of space are to be furnished in a tabular form.

Natural course of drainage of surface run-off shall be indicated on the contour map of the site.

At least one season barring monsoon season site-specific meteorological parameters including CO<sub>2</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, SPM, Fe, Mn, Pb etc wind pattern, humidity shall be provided.

Ambient Air Quality for parameters, SPM, RSPM data (except monsoon) to be given along CO<sub>2</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, etc shall be provided. The period of monitoring shall be indicated. 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.

Likely impact of air pollutants on soil, vegetation water bodies inhabitation within the area covered in 10 km radius from the centre of the activity site.

Proximate analysis of fuel including sulphur, moisture content, calorific value, heavy metals, etc of both primary and auxiliary fuel shall be provided. Also include the quanta of fuel(s) to be used in a day and stored for a month.

Source of water and its availability for use in processes, drinking, cooling and washing shall be indicated. A letter of commitment from a competent authority for supply of required quantity of water shall be obtained. Also a letter from State PWD/Ground water Board shall be obtained for abstraction of ground water and the quantity to be withdrawn per day shall also be prescribed.

Details of rainwater harvesting and its reuse pattern shall be furnished..

Feasibility of recovery and reuse of spent water may be explored to ensure zero discharge.

Conceptualized scheme for water conservation the extent of reuse and recycle within the operational areas shall be detailed..

Details of water budget for reported activities and the proposed plan for reuse and recycling of treated waste water shall be furnished.

The extent of the green belt within the proposed area in accordance with the guidelines of CPCB shall be furnished.

Details of ash handling plan including the storage, reuse pollution potential (Ground water pollution) shall be furnished.

Scheme for arresting the leaching from ash pond to the adjoining open

and borewells and monitoring plan shall be provided.

Detailed R&R plan/compensation package for the affected people shall be prepared taking into account the socio economic status of the area, homestead outsets, land outsets, landless labourers.

Provide details of flora and fauna in the project site and plan for conservation of rare species in consultation with the State Forest Department.

EMP for mitigating the pollutants from the processes along with capital and operation and maintenance cost shall be provided.

Plan for undertaking maximum credibility accident analysis shall be furnished. The extent of the study shall be indicated on a site map.

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:-

All documents to be properly referenced with index, page numbers and continuous page numbering.

Where data are presented in the report especially in table, the period in which the data was collected and the source should invariably be indicated.

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. CO<sub>2</sub> Tons/MWH or Kg/KWH)
    - (e) Amount of CO<sub>2</sub> 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.

2. Scrubber may be added Air Pollution Control Measures.

**Table Agenda for XV SEAC meeting held on 8<sup>th</sup> and 9<sup>th</sup> December 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 and subsequently discussed during the meeting held on 14<sup>th</sup> & 15<sup>th</sup> October 2009.**

15-02-09- 01 **M/s.Bannari Techno Park Private Ltd, Kalapatti Village, Coimbatore District.- 8(a) Building & Construction Projects-Environmental Clearance-Regarding.**

Sl.No.	Details called for	Response by the Proponent
01	The Commitment from TWAD Board was not enclosed.	Furnished.
02	EIA may be obtained from the proponent in Govt. of India approved	Furnished.

	structure with modifications.	
03	Survey number details are not furnished. The same may be obtained.	Furnished.

**Recommended**

15-02-09-02 **M/s. M/s. Sripathi Paper & Boards Private Limited-Unit-II,Sukkiravarpathi Village, Anaikulam (Post), Sivakasi Taluk, Virudhunagar District.- 1(d) Thermal Power Project - Environmental Clearance-Regarding.**

Sl.No.	Details called for	Response by the Proponent
01	Details of solid waste management have to be furnished with reference to use of coal alone, coal and other fuel in combination and the pollutional loads caused by use of various fuels individually and in combinations.	Furnished
02	Consent of the village officers for conveyance of raw water from one village to another has to be obtained and produced for verification.	Furnished letter from VAO,Kalayarkurichi village & Namaskarithanpatti village Sivakasi Taluk.

**Recommended**

15-02-09-03 **M/s. Vijay Shanthi Builders Limited, Thaiyur B Village, Kelambakkam,Chengalpet Taluk, Kancheepuram District - 8(a) Building & Construction Projects-Environmental Clearance-Regarding.**

Sl.No.	Details called for	Response by the Proponent
01	Details of STP and Solid waste management plan are to be reworked and furnished.	Furnished

**Recommended**

15-02-09-04 **M/s. Sabari Realtors Pvt. Ltd, Siruseri Village, Chengalpattu Taluk, Kancheepuram District - 8(a) Building & Construction Projects-Environmental Clearance - Regarding.**

Sl.No.	Details called for	Response by the Proponent
01	The details of the solid waste management which includes organic waste converter and design criteria for organic compost are to be provided.	Furnished
02	The design criteria of the STP for accommodating enhanced volume of	Furnished

	the waste water on account of the increase in the number of tenements.	
03	The conveyance of the treated waste water from the proposed site to stations outside the site should have valid consent / approval of a competent agency.	Letter from Siruseri Panchayat for conveyance of the treated waste water from the proposed site for green belt .

**Not considered for the reasons as below:**

**The details as for quantum of water, waste water and solid wastes called for have not been furnished by the proponent despite reminders sent to them.**

15-02-09-05 **M/s. Platinum Holdings Private Limited, Navalur, Semmencherry at OMR (I.T.Coridor) of Thiruporur Panchayat Union, Chengalpattu Taluk, Kancheepuram District - 8(a) Building & Construction Projects- Environmental Clearance-Regarding.**

SI.No.	Details called for	Response by the Proponent
01	Documentary Evidence for Water Supply.	Furnished

**Recommended**

15-02-09-06 **M/s.Pallavaram and Tambaram Municipalities -7(i) Integrated Municipal Solid Waste Management facility EIA submission based on TOR Environmental Clearance-Regarding.**

SI.No.	Details called for	Response by the Proponent
01	Arrangement for segregation of solid waste at sources of generation and conveyance of the segregated waste to the site for further treatment.	Furnished
02	Classification of the solid waste presently collected from various neighborhoods and the characteristics of the classified wastes in appropriate units of expression of results in percentage (e.g. combustibles and non combustibles, ferrous and non-ferrous metals moisture content etc.)	Furnished
03	The proximate analysis and calorific value for combustible fraction of solid waste.	Furnished
04	Characteristics of soil at the site of disposal of solid waste and the technical details of the soil on the surface and in the vadose - zone.	Furnished
05	Location of the inhabitations with	Furnished

	distance in KM from the periphery of the proposed site. Plans for post closure of the project are to be furnished.	
06	The project proponent may arrange at their cost a visit for some of members of SEAC to one of the existing facilities "Integrated Municipal Solid Waste Management".	Sub-committee has been constituted and intimated.

**Recommended**

**M/s. Employees State Insurance Corpn, Varatharajapuram, Singanallur, Coimbatore District - 8(a)-Building & Construction projects - Environmental Clearance-Regarding.**

Sl.No.	Details called for	Response by the Proponent
01	Segregation of the wastewater streams from laundry, laboratories, operation theatres and canteen and appropriate and adequate management of the pollution control strategies are to be furnished.	<p>The waste streams are segregated in three avenues viz., Operation theatres and labs, laundry conveniences and washings</p> <p>The independently treated waste streams will finally be treated in State of the art biological treatment plant, followed by Ultrafiltration plant.</p> <p>The ultrafiltration plant will reclaim water with reusable characteristics from the treated waste water. Hence, the treated waste water will be fully recycled / reused for washings, conveniences and laundry purposes.</p>

**Recommended**

15-02-10-08 **Closure of 22 files with Applications which have not been circulated /Additional details not furnished by the Proponent for review by the Members of SEAC**

A batch of twenty two (22) applications (List Enclosed) for different activity /projects were received during 2007, 2008 and 2009 by the SEIAA and SEAC for grant of Environmental Clearance (EC). Some of the proponents have not circulated amongst the members of SEAC and communicated relevant details as indicated. The SEAC have sent

reminders to the applicants for responding to the queries sought during the meeting.

It is noted that 22 applicants did not respond to the reminders. Hence the Committee decided that all the 22 applications found in the enclosures shall be closed and no further action is needed. Also, SEAC shall inform the proponents of the decision.

15-02-11-	<p><b>The SEAC in its 13th Meeting held on 28.8.09 has recommended for EC for the following Projects.</b></p> <p><b>However, the SEIAA in its 22<sup>nd</sup> meeting held on 9.10.09 has decided and referred back the following proposals to the SEAC stating that certain particulars have not been furnished by the Proponent for considering the issue of EC. Hence the Proponents were addressed by the SEAC and now the Proponents have furnished the reply for the same. The reply furnished by them was discussed during the meeting held on 14<sup>th</sup> &amp; 15<sup>th</sup> October 2009 and the following decisions were taken.</b></p>
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15-02-11-01 **M/s. M/s.K G Foundations Pvt.Ltd, B.Palanchur Village, Poonamallee Taluk, Thiruvallur District.- 8(a) Building & Construction Projects-Environmental Clearance-Regarding.**

Sl.No.	Details called for	Response by the Proponent
01	Land Use Classification certificate from Competent Authority.	Industrial zone as per second Master Plan of CMDA
02	Permission letter from CMWSSB for water supply for the project.	The proponent has furnished the copy of the requisition letter submitted to the CMWSSB for supply of water to the project and also a letter from the President, Chembarambakkam Panchayat for supply of water from Chembarambakkam lake.

Not recommended for want of further details.

**The Proponent shall furnish the permission letter obtained from the CMWSSB for supply of water.**

15-02-11-02 **M/s. M/s.True Value Homes India Pvt. Ltd, M R C Nagar, Chennai District.- 8(a) Building & Construction Projects-Environmental Clearance-Regarding.**

Sl.No.	Details called for	Response by the Proponent
01	Land use classification certificate from Competent Authority.	Furnished
02	Brief description of the project viz built up area, number of floors and blocks with dwelling units.	Furnished
03	Conceptual plan for the project site.	Site plan furnished
04	Source of water for the project activity is from borewells /TWAD Board. Hence permission letter from Competent Authority regarding adequacy of wells and its yield / commitment letter from TWAD Board for supply of water not furnished.	Furnished
05	Land proposed for green belt is not adequate for disposal of 344 KLD of treated sewage.	<b>Only 9 acres allotted instead of 9 hectares. The excess quantity will be given to the local body for green belt development.</b>
06	Survey numbers of the project site furnished. However the location of the village not furnished.	Furnished

**Recommended**

15-02-11-03 **M/s. Phoenix Hodu Developers Pvt. Ltd., Kalavakkam Village, Kancheepuram District. - 8(a) Building & Construction Projects- Environmental Clearance-Regarding.**

Sl.No.	Details called for	Response by the Proponent
01	Land use classification Certificate for the proposal project site from the competent Authority.	Furnished <b>S.No. 258 falls in transportation area (existing road) as per land use classification. For S.No. 11/ 7 land use classification not furnished.</b>
02	Details of occupants, number of dwelling units in each floor / block - wise details of the project.	<b>No. of occupants, corresponding water requirement, waste water generation not furnished.</b>
03	Water requirement for the project activity based on occupants as per BIS.	
04	The waste water generation has been stated as 2012 KLD as per the EIA report. However, vide proponent letter dated 29.06.2009, it has been furnished that the STP has been designed for	<b>Needs clarification</b>

	1510 KLD which is inadequate.	
05	It has been stated in the EIA report that the treated waste water of 200 KLD will be sold to commercial activities which may not be reliable. Hence, the mode of disposal of 200 KLD of treated waste water needs clarification.	For green belt and HVAC
06	Also the car washings of 30 KLD (as per EIA Report) needs to be included in the STP for subsequent treatment.	furnished
07	Details of cost towards EMS not furnished.	furnished
08	The green belt area proposed for 690 KLD of treated waste water is not adequate.	<b>390 KLD is used for green belt development.</b>
09	Details of Survey number of the ponds indicated in the map, whether it is public / private owned have not been furnished.	<b>Not furnished</b>

**Not recommended for want of further details.**

**The proponent has to furnish the clarification/Additional details as against 01, 02, 04 and 09 under responses.**

**xxSd/-xx  
Secretary  
SEAC, Tamilnadu**

**xxSd/-xx  
Chairman  
SEAC, Tamilnadu**