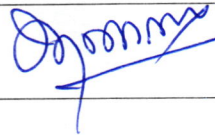

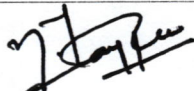
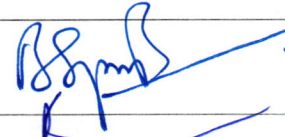
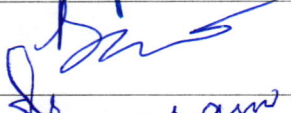
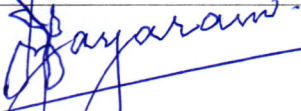


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<p>86th – 02. F.No. 5726/2016.</p>	<p>Proposed construction of commercial/residential project by M/s. Prestige Estate Projects Ltd at R.S.No.27/6 & 31/1 etc, Nungambakkam Village, Egmore Village, Chennai District with built-up area of 35456 Sq.m – Seeking Environmental Clearance - Schedule S. No. 8(a) of Category “B” – Building and Construction projects - Regarding.</p>
	<p>The Proponent of “M/s. Prestige Estate Projects Ltd” has applied for Environment Clearance for the proposed construction of commercial/residential project with built-up area of 35456 Sq.m at R.S.No.27/6 & 31/1 etc, Nungambakkam Village, Egmore Village, Chennai District.</p> <p>The Committee observed that the above project comes under Item No 8(a) of the Schedule. After the presentation made by the proponent, the Committee decided to recommend the proposal for the grant of EC to SEIAA after obtaining and considering the following details:</p> <ol style="list-style-type: none"> 1. During the presentation the project proponent informed that demolishing of existing buildings has not been fully completed. Approximately 30 % of the existing buildings is yet to be demolished. The Proponent is requested to furnish the Environmental Impact Assessment for the demolishing and disposal of the demolished waste. 2. The Project proponent informs that most of the commercial activity will be related to IT/ITES. Accordingly he is requested to furnish details about the EIA considering IT/ITES as the main activity. 3. Due to the proposed project, the water demand will be almost doubled compared to the present requirement. The proponent should furnish details about confirmation of the assured water supply from the Metro water. 4. The proponent has stated in his report that excess sewage will be discharged to the CMWSSB sewer. At the same time he has stated that all the treated sewage will be reused for purposes like flushing, gardening, etc. Clarification is required. 5. Bio degradable municipal solid waste is proposed to be handed over to the Corporation of Chennai. The proponent should see the possibility of using organic waste convertor for the bio degradable MSW. 6. In the case of CSR activities, the activities have to be completed within 4 years of the starting of the project. The details of the CSR activities have to submitted as an affidavit. 7. Regarding rain water harvesting the proponent has to revise the

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		proposal as per rain water harvesting and conservation manual by CPWD.GOI & Manual on norms and standards for environment clearance of large construction project by MoEF, GOI.	
S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	
3	Dr.K.Valivittan	Member	
4	Dr.Indumathi M. Nambi	Member	
5	Dr. G. S. Vijayalakshmi	Member	
6	Dr. M. Jayaprakash	Member	
7	Shri V. Sivasubramanian	Member	
8	Shri V. Shanmugasundaram	Member	
9	Shri B. SugirtharajKoilpillai	Member	
10	Dr. P.Balamadeswaran	Co-opt Member	
11	Shri. M.S. Jayaraman	Co-opt Member	

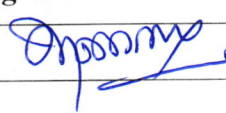
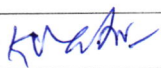
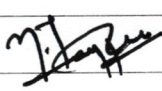
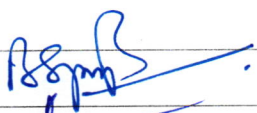
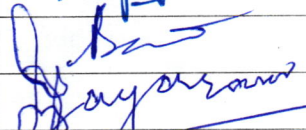
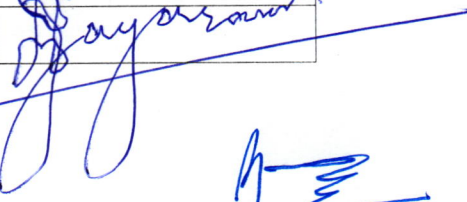
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SEAC**

**Chairman,
SEAC**

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<p>86th – 03. F.No. 5746/2016.</p>	<p>Proposed construction of Residential apartment by Mr. A. Rajesh Kanna & Others, C/o Lakshmi Royal Home Constructions at Old SF.No.333, 335, 356(p) SF. No. 333/2, 335/1A, 335/1B, 335/2, 335/3, 336/B, 336/2A, 336/2B, 336/2C, 336/2D, 336/2E of Vanagaram Village, Ambattur Taluk, Thiruvallur District with built-up area of 45153.44 Sq.m – Seeking Environmental Clearance - Schedule S. No. 8(a) of Category “B” – Building and Construction projects - Regarding.</p>
	<p>The Proponent “Mr. A. Rajesh Kanna & Others, C/o Lakshmi Royal Home Constructions” has applied for Environment Clearance for the proposed construction of Residential apartment with built-up area of 45153.44 Sq.m at Old SF.No.333, 335, 356(p) SF. No. 333/2, 335/1A, 335/1B, 335/2, 335/3, 336/B, 336/2A, 336/2B, 336/2C, 336/2D, 336/2E of Vanagaram Village, Ambattur Taluk, Thiruvallur District.</p> <p>The Committee observed that the above project comes under Item No 8(a) of the Schedule. After the presentation made by the proponent, the Committee decided to recommend the proposal for the grant of EC to SEIAA after obtaining and considering the following details:</p> <ol style="list-style-type: none"> 1. In the case of CSR activities, the activities have to be completed within 4 years of the starting of the project. The details of the CSR activities have to submitted as an affidavit. 2. Regarding rain water harvesting the proponent has to revise the proposal as per rain water harvesting and conservation manual by CPWD.GOI & Manual on norms and standards for environment clearance of large construction project by MoEF, GOI. 3. It is proposed to dispose 70 KLD of treated sewage into the CMWSSB sewer. After the suggestion from the committee, the proponent agreed to utilize 10 KLD more for gardening purpose. This is to be confirmed. 4. The proponent should completely revise the green belt development and furnish drawings showing the green belt development proposals. He must also indicate the number of trees proposed to be planted. 5. The proponent has planned to install STP based on MMBR technology.

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		During discussion with the committee, he now proposes to go for SBR technology. This is to be confirmed.	
S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	
3	Dr.K.Valivittan	Member	
4	Dr.Indumathi M. Nambi	Member	
5	Dr. G. S. Vijayalakshmi	Member	
6	Dr. M. Jayaprakash	Member	
7	Shri V. Sivasubramanian	Member	
8	Shri V. Shanmugasundaram	Member	
9	Shri B. SugirtharajKoilpillai	Member	
10	Dr. P.Balamadeswaran	Co-opt Member	
11	Shri. M.S. Jayaraman	Co-opt Member	

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SEAC**

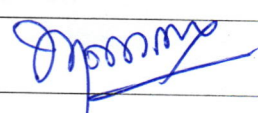
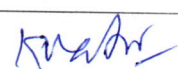

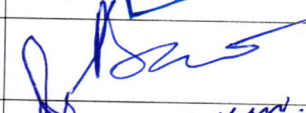
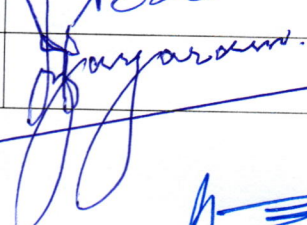
**Chairman,
SEAC**

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<p>86th - 04</p> <p>F.5938/2016</p>	<p>Proposed Construction of National Centre of Ageing in the Premises of King Institute and Preventive Medicine at Survey No's: 1A & 1B, of Adyar Village, Mambalam – Guindy Taluk, Chennai District by "M/s. Madras Medical College" – Building and Construction projects - Regarding.</p>
	<p>The Proponent of "M/s. Madras Medical College" has applied for Environment Clearance for the Proposed Construction of National Centre of Ageing in the Premises of King Institute and Preventive Medicine with Total built up area of 21766 Sq.m at Survey No's: 1A & 1B, of Adyar Village, Mambalam – Guindy Taluk, Chennai District.</p> <p>The Committee observed that the above project comes under Item No 8 (a) of the Schedule. After the presentation made by the proponent the Committee decided to recommend the proposal for the grant of EC to SEIAA after obtaining and considering the following details:</p> <ol style="list-style-type: none"> 1. Regarding rain water harvesting the proponent has to revise the proposal as per rain water harvesting and conservation manual by CPWD, GOI & Manual on norms and standards for environment clearance of large construction project by MoEF, GOI. 2. The foundation should have adequate elevation above the highest HFL. 3. It has been estimated that bio degradable waste of 219 kg/day will be generated. This should be managed by converting into compost by using organic waste convertor instead of sending to Corporation of Chennai.

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4. It has been proposed to discharge 11 KLD of treated sewage into CMWSSB sewer. Proponent should make use of this 11 KLD also for green belt development and avoid treated sewage being discharged into CMWSSB sewer.
5. The Proponent should plant at least 1200 trees as part of the green belt development.

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	
3	Dr.K.Valivittan	Member	
4	Dr.Indumathi M. Nambi	Member	
5	Dr. G. S. Vijayalakshmi	Member	
6	Dr. M. Jayaprakash	Member	
7	Shri V. Sivasubramanian	Member	
8	Shri V. Shanmugasundaram	Member	
9	Shri B. SugirtharajKoilpillai	Member	
10	Dr. P.Balamadeswaran	Co-opt Member	
11	Shri. M.S. Jayaram	Co-opt Member	

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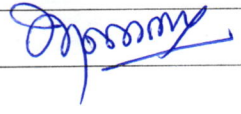
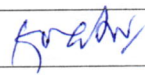



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<p>86th – 05. F.No. 5984/2016.</p>	<p>Proposed construction of IT Park by Mr. Raju Gupta at S.F No. 202/3, 202/4, 202/5, 202/6, 202/7, 202/8, 202/9A, 202/9B, 202/10, 202/11, 203/10B, 206/3 and 206/4 of Zamin Pallaram Village, Tamaram Taluk, Kanchipuram District Schedule with built-up area of 67183.43 Sq.m – Seeking Environmental Clearance - Schedule S. No. 8(a) of Category “B” – Building and Construction projects - Regarding.</p>
	<p>The Proponent by “Mr. Raju Gupta” has applied for Environment Clearance for the proposed construction of Residential apartment with built-up area of 67183.43 Sq.m at S.F No. 202/3, 202/4, 202/5, 202/6, 202/7, 202/8, 202/9A, 202/9B, 202/10, 202/11, 203/10B, 206/3 and 206/4 of Zamin Pallaram Village, Tamaram Taluk, Kanchipuram District.</p> <p>The Committee observed that the above project comes under Item No 8(a) of the Schedule. After the presentation made by the proponent, the Committee decided to recommend the proposal for the grant of EC to SEIAA after obtaining and considering the following details:</p> <ol style="list-style-type: none"> 1. The proponent should furnish certificate from appropriate revenue authorities to the effect that the project site is not abutting any water body or lie in the catchment area of any water body or lie in the flood plain of any water body. 2. The project is surrounded by many lakes. The project activity should not lead to any problem like pollution of lake waters. 3. The proponent should properly estimate the impact on the air quality and noise level due to vehicular population, generators and other sources or pollution. In this exercise he must use the baseline data. 4. Regarding rain water harvesting the proponent has to revise the proposal as per rain water harvesting and conservation manual by CPWD.GOI & Manual on norms and standards for environment clearance of large construction project by MoEF, GOI. 5. It has been proposed that all treated sewage will be reused for certain beneficial purpose without discharging into the CMWSSB sewer. This should be adhere to.

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	<p>6. Noise level needs to be monitored for a continuous period of 1 week atleast with particular emphasis to the aircraft movement .</p> <p>7. Silver oak, Teak and Delonix may be avoided in green belt.</p> <p>8. Ground water quality should be revalidated with the other laboratories.</p>
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S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	
3	Dr.K.Valivittan	Member	
4	Dr.Indumathi M. Nambi	Member	
5	Dr. G. S. Vijayalakshmi	Member	
6	Dr. M. Jayaprakash	Member	
7	Shri V. Sivasubramanian	Member	
8	Shri V. Shanmugasundaram	Member	
9	Shri B. SugirtharajKoilpillai	Member	
10	Dr. P.Balamadeswaran	Co-opt Member	
11	Shri. M.S. Jayaraman	Co-opt Member	

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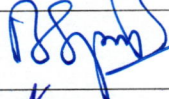
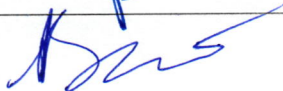
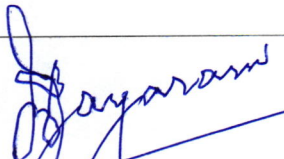
<p>86th - 06</p> <p>F.6317/2017</p>	<p>Proposed construction of Residential Apartments with a built up area of – 37765.75 Sq.m by M/s. Jones Foundations Pvt Ltd, at S.F.No. 9/4B,10/1A,10/1B1, 10/1B2, 10/2A, 10/2B1,10/2B2A,10/3A1, 10/3A2A, 10/3A2B,10/3B1,10/3B2 & 17/5A1, Kovilambakkam Village, Tambaram Taluk, Kancheepuram District – Seeking Environmental Clearance - Schedule S. No. 8 (a) of Category “B” – Building and Construction project - Regarding.</p>
	<p>The Proponent of M/s. Jones Foundations Pvt Ltd has applied for Environment Clearance for the Proposed construction of Residential Apartments with a built up area of – 37765.75 Sq.m at S.F.No. 9/4B,10/1A,10/1B1, 10/1B2, 10/2A, 10/2B1,10/2B2A,10/3A1,10/3A2A, 10/3A2B,10/3B1,10/3B2 & 17/5A1, Kovilambakkam Village, Tambaram Taluk, Kancheepuram District.</p> <p>The Committee observed that the above project comes under Item No 8 (a) of the Schedule. After the presentation made by the proponent the Committee decided to recommend the proposal for the grant of EC to SEIAA after obtaining and considering the following details:</p> <ol style="list-style-type: none"> 1. Regarding rain water harvesting the proponent has to revise the proposal as per rain water harvesting and conservation manual by CPWD,GOI & Manual on norms and standards for environment clearance of large construction project by MoEF, GOI. 2. The eastern side green belt development should be more intensified in order to avoid possible odour nuisance from the Perungudi solid waste dump.

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3. The proponent should furnish the quality of water proposed to be obtained from the Kovilampakkam Panchayat. He should supply water which satisfies Indian standards for water quality for drinking purposes.
4. The proposals for the reuse of 81 KLD of treated sewage are KLD very vague. The proponent should workout concrete and sustainable proposals for the reuse of 81 KLD and furnish all details along with affidavit and agreements.
5. The Proponent should deposit minimum Rs. 10 Lakhs to Pallikaranai Marsh Conservation Authority prior to start of construction and send the copy of the receipt to the authority.
6. In the case of CSR activities, the activities have to completed within 4 years of the starting of the project. The details of the CSR activities have to be submitted as an affidavit.

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr.A.Navaneetha Gopalakrishnan	Member	
3	Dr.K.Valivittan	Member	
4	Dr.Indumathi M. Nambi	Member	
5	Dr. G. S. Vijayalakshmi	Member	
6	Dr. M. Jayaprakash	Member	
7	Shri V. Sivasubramanian	Member	
8	Shri V. Shanmugasundaram	Member	

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9	Shri B. SugirtharajKoilpillai	Member	
10	Dr. P. Balamadeswaran	Co- opt Member	
11.	Shri. M.S. Jayaram	Co- opt Member	

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<p>86th - 11</p> <p>F.5051/2016</p>	<p>Proposed Expansion Of Silicones And Silicone Derivatives from – 1104 Mt/M To 3029 MT/M by M/s. Momentive Performance Materials (India) Pvt. Ltd at Plot B-3, Sipcot Industrial Growth Centre, Oragadam Village, Sriperumpudur Taluk, Kancheepuram District – Seeking Term of References (ToR) - Schedule S. No. 5 (f) of Category "B" – Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)- Regarding.</p>
	<p>The Proponent of M/s. Momentive Performance Materials (India) Pvt. Ltd has applied for seeking Term of References (ToR) for the Proposed Expansion Of Silicones And Silicone Derivatives from – 1104 Mt/M To 3029 MT/M by M/s. Momentive Performance Materials (India) Pvt. Ltd, at Plot B-3, Sipcot Industrial Growth Centre, Oragadam Village, Sriperumpudur Taluk, Kancheepuram District.</p> <p>The Committee observed that the above project comes under Item No 5 (f) of the Schedule. After the presentation made by the proponent, the State Expert Appraisal Committee (SEAC) decided to recommend for the issue of ToR to SEIAA for conducting Environment Impact Assessment Study. To the standard TOR notified by MoEF & CC under Schedule S. No. 5 (f) of Category "B" – Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) enclosed vide annexure) and following ToR will be added:</p>

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1. Details of the CSR activities and Green Belt Development during 2012 - 2017 shall be provided along with the features.
2. Processing and effects due to expansion needs to be monitored with regard to environmental parameters particularly for the gaseous emissions. Details of the process needs to be explained in the EIA & EMP.
3. Measures to be taken for mitigation towards hazardous materials and emissions need to be complied.
4. Details on Air pollution modelling for impact prediction within at 10 km radius, should be furnished.

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr.A.Navaneetha Gopalakrishnan	Member	
3	Dr.K.Valivittan	Member	
4	Dr.Indumathi M. Nambi	Member	
5	Dr. G. S. Vijayalakshmi	Member	
6	Dr. M. Jayaprakash	Member	
7	Shri V. Sivasubramanian	Member	
8	Shri V. Shanmugasundaram	Member	
9	Shri B. SugirtharajKoilpillai	Member	
10	Dr. P.Balamadeswaran	Co- opt Member	

Minutes of the 86th SEAC Meeting held on 21st April 2017

11.	Shri. M.S. Jayaram	Co- Member	opt	
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5(f):STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR SYNTHETIC ORGANIC CHEMICALS INDUSTRY (DYES & DYE INTERMEDIATES; BULK DRUGS AND INTERMEDIATES EXCLUDING DRUG FORMULATIONS; SYNTHETIC RUBBERS; BASIC ORGANIC CHEMICALS, OTHER SYNTHETIC ORGANIC CHEMICALS AND CHEMICAL INTERMEDIATES) AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT

A. STANDARD TERMS OF REFERENCE

- 1) Executive Summary
- 2) Introduction
 - i. Details of the EIA Consultant including NABET accreditation
 - ii. Information about the project proponent
 - iii. Importance and benefits of the project
- 3) Project Description
 - i. Cost of project and time of completion.
 - ii. Products with capacities for the proposed project.
 - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
 - iv. List of raw materials required and their source along with mode of transportation.
 - v. Other chemicals and materials required with quantities and storage capacities
 - vi. Details of Emission, effluents, hazardous waste generation and their management.
 - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
 - viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
 - ix. Hazard identification and details of proposed safety systems.
 - x. Expansion/modernization proposals:
 - c. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In

addition, status of compliance of Consent to Operate for the ongoing lexisting operation of the project from SPCB shall be attached with the EIA-EMP report.

- d. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.

- 5) Forest and wildlife related issues (if applicable):
- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
 - ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
 - iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
 - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
 - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
 - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
- 6) Environmental Status
- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
 - ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
 - iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
 - iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
 - v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
 - vi. Ground water monitoring at minimum at 8 locations shall be included.
 - vii. Noise levels monitoring at 8 locations within the study area.
 - viii. Soil Characteristic as per CPCB guidelines.
 - ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.

- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area.

7) Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to

use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.

- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
 - xii. Action plan for post-project environmental monitoring shall be submitted.
 - xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
- 8) Occupational health
- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
 - ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
 - iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
 - iv. Annual report of health status of workers with special reference to Occupational Health and Safety.
- 9) Corporate Environment Policy
- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
 - iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

- 10) 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.
- 11) Enterprise Social Commitment (ESC)
 - i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13) A tabular chart with index for point wise compliance of above TOR.

B. SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR SYNTHETIC ORGANIC CHEMICALS INDUSTRY (DYES & DYE INTERMEDIATES; BULK DRUGS AND INTERMEDIATES EXCLUDING DRUG FORMULATIONS; SYNTHETIC RUBBERS; BASIC ORGANIC CHEMICALS, OTHER SYNTHETIC ORGANIC CHEMICALS AND CHEMICAL INTERMEDIATES)

1. Details on solvents to be used, measures for solvent recovery and for emissions control.
2. Details of process emissions from the proposed unit and its arrangement to control.
3. Ambient air quality data should include VOC, other process-specific pollutants* like NH₃*, chlorine*, HCl*, HBr*, H₂S*, HF*, etc., (*-as applicable)
4. Work zone monitoring arrangements for hazardous chemicals.
5. Detailed effluent treatment scheme including segregation of effluent streams for units adopting 'Zero' liquid discharge.
6. Action plan for odour control to be submitted.
7. A copy of the Memorandum of Understanding signed with cement manufacturers indicating clearly that they co-process organic solid/hazardous waste generated.
8. Authorization/Membership for the disposal of liquid effluent in CETP and solid/hazardous waste in TSDF, if any.
9. Action plan for utilization of MEE/dryers salts.
10. Material Safety Data Sheet for all the Chemicals are being used/will be used.
11. Authorization/Membership for the disposal of solid/hazardous waste in TSDF.

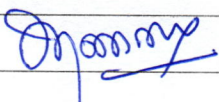
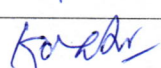
12. Details of incinerator if to be installed.
13. Risk assessment for storage and handling of hazardous chemicals/solvents. Action plan for handling & safety system to be incorporated.
14. Arrangements for ensuring health and safety of workers engaged in handling of toxic materials.

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SEAC**

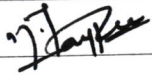
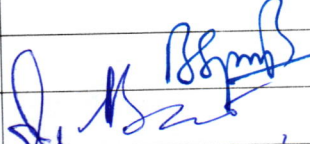
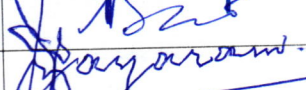
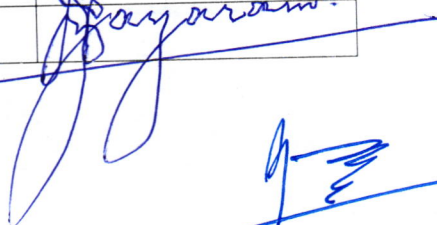


**Chairman,
SEAC**

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85 th - 12. F.5700/2016	<p>Proposed expansion of existing paint and water based polymers manufacturing industry M/s. Asain paints Ltd located at Plot. No. E6, E7, F11,F12,F13,F6 pt, & F7 pt , SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kanchipuram District (located in a notified industrial area/estate) – Seeking issue of Terms of Reference (TOR) – under Schedule item No. 5(h) of Category “B” – Integrated Paint Industry - Regarding.</p>		
	<p>The Proponent “M/s. Asain paints Ltd” has applied for Terms of Reference (TOR) for the proposed expansion for manufacturing of paint and water based polymers at Plot. No. E6, E7, F11,F12,F13,F6 pt, & F7 pt , SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kanchipuram District.</p> <p>The Committee further observed that the above project comes under Item No 5(h) – ‘Integrated Paint Industry’ of the Schedule under Category “B”. After the presentation made by the proponent, the State Expert Appraisal Committee (SEAC) decided to recommend for the issue of ToR to SEIAA for conducting Environment Impact Assessment Study. To the standard ToR notified by MoEF & CC under schedule item No. 5(h) – ‘Integrated Paint Industry’ (enclosed vide annexure) the following ToR will be added:</p> <ol style="list-style-type: none">1. Regarding rain water harvesting the proponent has to revise the proposal as per rain water harvesting and conservation manual by CPWD,GOI & Manual on norms and standards for environment clearance of large construction project by MoEF, GOI.2. The proponent should furnish the baseline data generated in 2005 when the industry was started, along with baseline data for present EIA.3. The Proponent should furnish green belt development and CSR activities pertaining to the period 2005-2016.		
S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	
3	Dr.K.Valivittan	Member	

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4	Dr.Indumathi M. Nambi	Member	
5	Dr. G. S. Vijayalakshmi	Member	
6	Dr. M. Jayaprakash	Member	
7	Shri V. Sivasubramanian	Member	
8	Shri V. Shanmugasundaram	Member	
9	Shri B. SugirtharajKoilpillai	Member	
10	Dr. P.Balamadeswaran	Co-opt Member	
11	Shri. M.S. Jayaraman	Co-opt Member	

**Member-Secretary,
SEAC**

**Chairman,
SEAC**

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5(h): STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR INTEGRATED PAINT INDUSTRY AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT.

A. STANDARD TERMS OF REFERENCE

1) Executive Summary

2) Introduction

- i. Details of the EIA Consultant including NABET accreditation
- ii. Information about the project proponent
- iii. Importance and benefits of the project

3) Project Description

- i. Cost of project and time of completion.
- ii. Products with capacities for the proposed project.
- iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other chemicals and materials required with quantities and storage capacities
- vi. Details of Emission, effluents, hazardous waste generation and their management.
- vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided.
- ix. Hazard identification and details of proposed safety systems.
- x. Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate

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for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.

- b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places).
- iii. Details w.r.t. option analysis for selection of site.
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area.
- x. Geological features and Geo-hydrological status of the study area shall be included.

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- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects).
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.

5) Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).
- ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife

6) Environmental Status:

- i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.

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- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule - I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area.

7) Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data

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used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.

- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum - rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.

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- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8) Occupational health

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved.
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

9) Corporate Environment Policy

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms /conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.

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- iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report.
- 10) 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.
- 11) Enterprise Social Commitment (ESC)
 - i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13) A tabular chart with index for point wise compliance of above TOR.

B. SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR INTEGRATED PAINT INDUSTRY

- 1. Details on requirement of raw materials (binders, solvents, pigments, additives, resin, driers etc.), their source and storage at the plant.
- 2. Whether any of the material content lead if so details thereof.
- 3. Details on solvent management including loss accounting.
- 4. Details on composition, generation and utilization of waste from the plant-left out raw materials, paint sludge, filter cartridges, off-specification paint, etc
- 5. Existing ambient air quality for expected emissions (VOCs, pigment dust, etc.) from paint industry.



Minutes of the 86th SEAC Meeting held on 22nd April 2017

86th - 01 F.6053/ 2016	<p>Proposed residential apartment building with a build up area of 98989.3 Sq.m by M/s. Casa Grande Homes Pvt. Ltd, at T.S.No. 35/2A2,2B2,36/2B, 37/1,2,5B,6A,48/2B,3B,3C,4 & 5B, Kannathur Reddykuppam Village, Thiruporur Taluk, Kancheepuram District – Seeking Environmental Clearance - Schedule S. No. 8 (a) of Category “B” – Building and Construction project - Regarding.</p>
	<p>The Proponent of M/s. Casa Grande Homes Pvt. Ltd has applied for Environment Clearance for the Proposed residential apartment building at T.S.No. 35/2A2,2B2,36/2B, 37/1,2,5B,6A,48/2B,3B,3C,4 & 5B, Kannathur Reddykuppam Village, Thiruporur Taluk, Kancheepuram District.</p> <p>The Committee observed that the above project comes under Item No 8 (a) of the Schedule. After the presentation made by the proponent on 21.04.2017, the Committee decided to call for following details and make a re-presentation on 22.04.2017:</p> <ol style="list-style-type: none">1. The proponent should revise water balance diagram to indicate the correct flow diagram for fresh water and the recycled sewage.2. It is proposed that 181 KLD of sewage is going to be used for avenue plantation. No concrete proposals have been submitted. The proponent should give complete details about a feasible and sustainable plantation program. He must also produce an affidavit and agreements in this connection.3. The project site is close to Buckingham canal. The project should no way pollute Buckingham canal.4. STP is proposed to be located at a place close to Buckingham canal. The proponent should shift the site for STP to alternative



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site which is away from Buckingham canal.

5. Regarding rain water harvesting the proponent has to revise the proposal as per rain water harvesting and conservation manual by CPWD,GOI & Manual on norms and standards for environment clearance of large construction project by MoEF, GOI.
6. The bio degradable should be composted onsite and used as a manure.
7. The construction will be done below ground water table. The proponent should furnish all structural and geo technical details about the same construction at the site.

The proponent was asked to make a representation with necessary details on 22.04.2017. Accordingly, the proponent made a representation on 22.04.2017, with some details. However, the committee decided to call for a presentation again with complete details which will include the following :

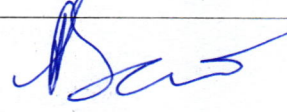
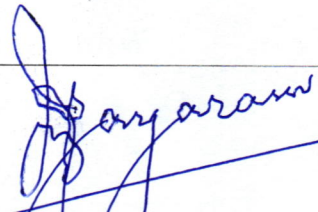
8. Pumping test has to be carried out to find the yield in the area under reference. The direction in the movement of ground water flow pattern and the hydraulic pressure for the stability of pile is to be studied.
9. The quality of ground water needs to be studied. These tests needs to be conducted to further strengthen the argument of structural stability, as the pile below the basement is likely to be under saturated water condition. The proponent should conduct all necessary hydrological investigations.




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	10. A Certificate from the EE PWD that the project site has not encroached any water bodies, tanks, streams, rivers, nullas, catchment area, canals ponds etc of its original boundary, as per the records has to be produced.		
S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr.A.Navaneetha Gopalakrishnan	Member	
3	Dr.K.Valivittan	Member	
4	Dr.Indumathi M. Nambi	Member	
5	Dr. G. S. Vijayalakshmi	Member	
6	Dr. M. Jayaprakash	Member	
7	Shri V. Sivasubramanian	Member	
8	Shri V. Shanmugasundaram	Member	
9	Shri B. SugirtharajKoilpillai	Member	

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10	Dr. P. Balamadeswaran	Co- Member	opt	
11.	Shri. M.S. Jayaram	Co- Member	opt	


Member-Secretary,
SEAC


Chairman, SEAC

Minutes of the 86th SEAC Meeting held on 22st April 2017

<p>86th – 10. F.No. 4778/2016.</p>	<p>Proposed project for setting up an Industrial cluster exclusively for Textile processing in a plot area of 40.31.5 Hectares in housing CETP Facility of 6 MLD and Coal based captive power plant of 2.2 MW by proponent M/s. Southern District Textiles Processing Cluster (P) Ltd. at S.F. Nos. 2/3, 6/3, etc., of Pottalkulam Village and S.F. Nos. 46/1, 48/1, of Tamaraikulam Villages, Kariyapatti Taluk, Virudhunagar, District – Seeking Environmental Clearance - Schedule S. No. 7(c) [Industrial estates/ parks/ complexes/ areas, export processing Zones (EPZs), Special Economic Zones (SEZs), Biotech Parks, Leather Complexes.,] &) [Common Effluent Treatment Plants (CETPs)] of Category “B” projects - Regarding.</p>
	<p>The Proponent “M/s. Southern District Textiles Processing Cluster (P) Ltd” has applied for Environment Clearance for the project for setting up an Industrial cluster exclusively for Textile processing in a plot area of 40.31.5 Hectares in housing CETP Facility of 6 MLD and Coal based captive power plant of 2.2 MW at at S.F. Nos. 2/3, 6/3, etc., of Pottalkulam Village and S.F. Nos. 46/1, 48/1, of Tamaraikulam Villages, Kariyapatti Taluk, Virudhunagar, District.</p> <p>The Committee observed that the above project comes under Item No 8(a) of the Schedule. After the presentation made by the proponent on 21.04.2017, the Committee directed the project proponent to produce the following details:</p> <ol style="list-style-type: none">1. Regarding rain water harvesting, the proponent has to revise the proposal as per Rain Water Harvesting and conservation manual by CPWD, GOI & Manual on norms and standards for environment clearance of large construction project by MoEF, GOI.2. The proponent has stated that the treated textile effluent will be reused in the industry as process water. He must produce the comprehensive quality of the effluent that will be produced in the CETP and the quality of water that is required for textile processing. The quality should be comprehensive and include parameters like heavy metals.3. The sludge produced is proposed to be stored and disposed. The



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proponent should give complete details about sludge storage arrangement to avoid possible environmental problems.

4. The salt produced is proposed to be used back in the industry. The proponent should produce complete characteristics of the salt produced in the treatment process and the characteristics of the salt required in the textile production.
5. The proponent should furnish the details of the mitigative measures he will undertake to take care of the adverse effect on agriculture, if any.
6. As a part of the green belt development the proponent should plant and maintain atleast 26000 trees.
7. There should be no adverse impact on the habitations surrounding the industry especially the habitations which are very nearby like Thamaraikulam & Pottalkulam villages which are situated at about 1.5 kms from the project site.
8. The proponent should furnish complete details of the bio diversity as assessed in scientific manner.
9. The proponent should ensure that 60 - 70 % of the labour is drawn from local community. He must produce an affidavit to this effect.
10. As a part of CSR, the proponent should undertake a survey to identify the need and accordingly finalize the proposals. A committee consisting of a SIDCO representative should be formed. Recurring cost CSR should be included.
11. For air quality modeling full details should be furnished.
12. The noise levels at the nearest habitations should not be exceeding the permissive levels as per CPCB guidelines.
13. The proponents should produce a google map with 10 km radius features to understand the environmental setting around the project.
14. The proponent including all 36 individual subscribers are responsible to ensure that there are no damages to the nearby environment (ground water, agriculture, forest, wildlife, biodiversity, animal husbandry, poultry, educational institutions & historical and cultural heritage



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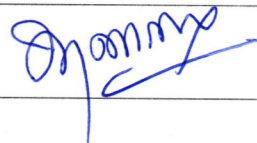
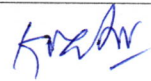

places) and people, due to the project activities.

15. A Certificate from the EE PWD that the project site has not encroached any water bodies, tanks, streams, rivers, nullas, catchment area, canals ponds etc of its original boundary, as per the records has to be produced.

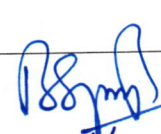
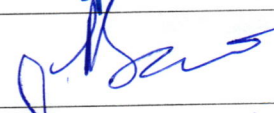
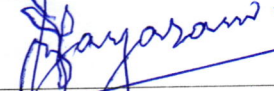
16. Details of water bodies located within 2 km radius from the project site obtained for the executive engineer PWD as per records should be furnished and the details should include the name of the water bodies, area of the water bodies, Ayacut connect to each water body and the distance from the project site.

17. The details of coal supplies with reference to ash content and sulphur; Hydrological report with reference to the yield of boreholes in the near vicinity of the area should be furnished.

In this connection, the proponent made re - presentation before the committee on 22.04.2017 along with the certain details. Considering, the details furnished in the re – presentation, committee decided that the proponent should again make presentation with the additional details as directed.

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	
3	Dr.K.Valivittan	Member	
4	Dr.Indumathi M. Nambi	Member	
5	Dr. G. S. Vijayalakshmi	Member	
6	Dr. M. Jayaprakash	Member	
7	Shri V. Sivasubramanian	Member	

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8	Shri V. Shanmugasundaram	Member	
9	Shri B. SugirtharajKoilpillai	Member	
10	Dr. P.Balamadeswaran	Co-opt Member	
11	Shri. M.S. Jayaraman	Co-opt Member	


Member-Secretary,

SEAC

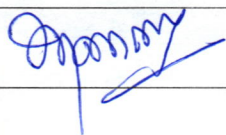
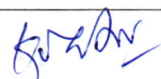

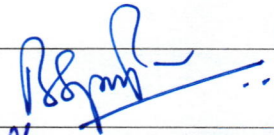
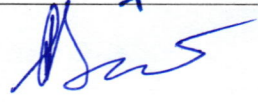

Chairman,

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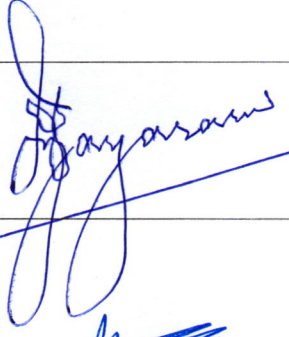
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86th - 03 F.5612/ 2016	<p>Proposed expansion of LPG Bottling Plant 3 x 650 MT mounded storage facility by M/s. Hindustan Petroleum Corporation Ltd in the existing storage terminal at S.F.No.171 -172, SIDCO Industrial Estate, Kappalur Village, Madurai District- Seeking Term of references (TOR) - Schedule S. No. 6 (b) of Category "B" – Isolated Storage & Handling Of Hazardous Chemicals (As Per Threshold Planning Quantity Indicated In Column 3 Of Schedule 2 & 3 of MSIHC Rules 1989 Amended 2000)- Regarding.</p>
	<p>The Proponent of M/s. Hindustan Petroleum Corporation Ltd has applied for Seeking Term of references (TOR) for the proposed expansion Of LPG Bottling Plant 3 x 650 MT mounded storage facility at S.F.No.171 -172, SIDCO Industrial Estate, Kappalur Village, Madurai District.</p> <p>The Committee observed that the above project comes under Item No 6 (b) of the Schedule. After the presentation made by the proponent, the State Expert Appraisal Committee (SEAC) decided to recommend for the issue of ToR to SEIAA for conducting Environment Impact Assessment Study subject to standard TOR notified by MoEF & CC under Schedule S. No. 6 (b) of Category "B" – Isolated Storage & Handling Of Hazardous Chemicals (As Per Threshold Planning Quantity Indicated In Column 3 Of Schedule 2 & 3 of MSIHC Rules 1989 Amended 2000) (enclosed vide annexure) and subject to the following additional ToR :</p> <ol style="list-style-type: none">1. The proponent should conduct appropriate Risk assessment and furnish detailed risk management measures.2. In the Risk Assessment he must consider, among others, the

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	<p>nearest habitation which is about 800 metres away from the project.</p> <p>3. A quarry is located nearby. The proponent should study the impact of quarry operation on the LPG Bottling plant.</p> <p>4. He must furnish all details about past incidents and accidents that has happened in the plant in the last 15 years.</p> <p>5. The proponent should furnish details about sensors now installed and the sensors proposed to be installed. The details should include the Make, accuracy, calibration, etc. Similarly all details regarding fire fighting arrangement and personal safety measures should be furnished.</p>		
S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr.A.Navaneetha Gopalakrishnan	Member	
3	Dr.K.Valivittan	Member	
4	Dr.Indumathi M. Nambi	Member	
5	Dr. G. S. Vijayalakshmi	Member	
6	Dr. M. Jayaprakash	Member	
7	Shri V. Sivasubramanian	Member	
8	Shri V. Shanmugasundaram	Member	
9	Shri B. SugirtharajKoilpillai	Member	
10	Dr. P.Balamadeswaran	Co- opt Member	

Minutes of the 86th SEAC Meeting held on 22nd April 2017

11.	Shri. M.S. Jayaram	Co- Member	opt	
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Member-Secretary,
SEAC


Chairman, SEAC

6(b):STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR ISOLATED STORAGE & HANDLING OF HAZARDOUS CHEMICALS (AS PER THRESHOLD PLANNING QUANTITY INDICATED IN COLUMN 3 OF SCHEDULE 2 & 3 OF MSIHC RULES 1989 AMENDED 2000) AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT

A. STANDARD TERMS OF REFERENCE

- 1) Executive Summary
- 2) Introduction
 - i. Details of the EIA Consultant including NABET accreditation
 - ii. Information about the project proponent
 - iii. Importance and benefits of the project
- 3) Project Description
 - i. Cost of project and time of completion.
 - ii. Products with capacities for the proposed project.
 - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
 - iv. List of raw materials required and their source along with mode of transportation.
 - v. Other chemicals and materials required with quantities and storage capacities
 - vi. Details of Emission, effluents, hazardous waste generation and their management.
 - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
 - viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
 - ix. Hazard identification and details of proposed safety systems.
 - x. Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing lexisting operation of the project from SPCB shall be attached with the EIA-EMP report.

- b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy

5) Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)

- ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
 - iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
 - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
 - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
 - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
- 6) Environmental Status
- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
 - ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
 - iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
 - iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
 - v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
 - vi. Ground water monitoring at minimum at 8 locations shall be included.
 - vii. Noise levels monitoring at 8 locations within the study area.
 - viii. Soil Characteristic as per CPCB guidelines.
 - ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
 - x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
 - xi. Socio-economic status of the study area.

7) Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.


- xii. Action plan for post-project environmental monitoring shall be submitted.
 - xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
- 8) Occupational health
- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
 - ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
 - iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
 - iv. Annual report of health status of workers with special reference to Occupational Health and Safety.
- 9) Corporate Environment Policy
- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
 - iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- 10) 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.
- 11) Enterprise Social Commitment (ESC)
- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13) A tabular chart with index for point wise compliance of above TOR.

B. SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR ISOLATED STORAGE & HANDLING OF HAZARDOUS CHEMICALS (AS PER THRESHOLD PLANNING QUANTITY INDICATED IN COLUMN 3 OF SCHEDULE 2 & 3 OF MSIHC RULES 1989 AMENDED 2000)

1. Details on list of hazardous chemicals to be stored alongwith storage quantities at the facility, their category (as per MSIHC Rules), MSDS.
2. Mode of receiving hazardous chemicals in isolated storages and mode of their dispatch.
3. Layout plan of the storage tanks and other associated facilities.
4. Details on types and specifications of the storage facilities including tanks, pumps, piping, valves, flanges, pumps, monitoring equipments, systems for emissions control safety controls including relief systems.
5. Arrangements to control loss/leakage of chemicals and management system in case of leakage.
6. Risk Assessment & Disaster Management Plan
 - Identification of hazards
 - Consequence Analysis
 - Details of domino effect of the storage tanks and respective preventive measures including distance between storage units in an isolated storage facility.
 - Onsite and offsite emergency preparedness plan.


Member-Secretary, SEAC


Chairman, SEAC

**Minutes for the Mining proposals (Minor Minerals) for the 85th Meeting of the SEAC held on
22.04.2017**

Agenda Item

The SEAC considered the following project proposals along with approved mining plan, Pre-feasibility reports and other supporting documents in detail seeking Environmental Clearance for mining of minor minerals. The SEAC appraised the Project proposals furnished by the proponent in detail and took into consideration the less pollution that is possible in these types of activities and after verification of the details furnished by the proponent subject to usual terms and conditions



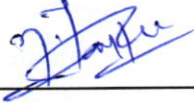
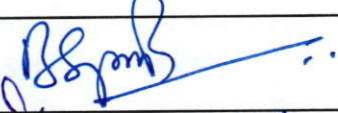



The following should be incorporated as conditions in EC.

1. The quarrying activity shall be stopped if the entire quantity is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.
2. It is the responsibility of the project proponent to maintain the village approach road in good condition usable by the public during the implementation of the project. On the completion of the project the village approach road should be in good condition.
3. After restoration of the road, the proponent should submit the detailed report of the road maintenance including cost along with photographs to SEAC within one month of the completion of the project.
4. Base line studies to be conducted for the entire area.
5. Replenishment study to be carried out once in three years for the mined out area.
6. Around 2 km radius from the proposed area ground water study to be carried out through reputed research institution before, during and after mining to assess the ground water table.
7. ToR is to be recommended by the SEAC for conducting Comprehensive study for entire Tamil Nadu Regarding Sand Mining.

MINOR MINERALS Sand - (3 Nos) 22.04.2017

Sl. No.	F.No	Name of the proponent	Extent in ha.	SF.No	District	Recommendation of the Committee
1	6379	The Executive Engineer PWD, WRO R.C. Division Tiruchirappalli - 620001	24.00.0	240 (P) Ariyur Lalgudi	Tiruchirappalli	Recommended
2	6380	The Executive Engineer PWD, WRO R.C. Division Tiruchirappalli - 620001	15.00.0	231/1 (P) Madhavaperu malkoil Manachanallur	Tiruchirappalli	The committee has decided to inspect the proposed site for further recommendation. The inspecting committee consist of following SEAC Members 1) Dr. M. Jayaprakash 2) Shri P. Balamadeswaran 3) Shri B. Sugirtharaj Koilpillai
3	6381	The Executive Engineer PWD, WRO R.C. Division Tiruchirappalli - 620001	24.00.0	184 (P) Keela Anbil Lalgudi	Tiruchirappalli	



Sl. No	Name and position	Signature
1	Dr. K. Thanasekaran Member	
2	Dr. A. Navaneetha Gopalakrishnan Member	
3	Dr. K.Valivittan Member	
4	Dr. Indumathi M. Nambi Member	
5	Dr. G. S. Vijayalakshmi Member	
6	Dr. M. Jayaprakash Member	
7	Shri. V. Sivasubramanian Member	
8	Shri V. Shanmugasundaram Member	
9	Shri B. Sugirtharaj Koilpillai Member	
10	Shri M.S. Jayaram Co-opt member	
11	Shri P.Balamadeswaran Co-opt member	
 MEMBER SECRETARY-SEAC		 CHAIRMAN-SEAC

Minutes for the Mining proposals (Minor Minerals) for the 83rd Meeting of the SEAC held on 22.04.2017

Agenda Item

The SEAC appraised the following project proposals 1. Savudu/Gravel/Saral/Earth/Brick Earth - 7Nos.; along with approved mining plans, Pre-feasibility reports and other supporting documents in detail. These proposals are for seeking Environmental Clearance for mining of minor minerals. The SEAC while appraising in detail, the Project proposals furnished by the proponent, took into consideration of the impact on pollution that is possible in these types of activities and after verification of the details furnished by the proponent Recommended subject to condition the proposals subject to the verification of the following:

1. The distance between the mining area and interstate border, wherever necessary.
2. The distance between the mining area and the boundary of Western Ghats, Prohibited area wherever necessary.
3. One month base line data be collected to ensure the pollution within the limits.

The following should be incorporated as conditions in EC.

1. Free silica test should be conducted and reported
2. Air Sampling at intersection point should be conducted and reported
3. Bunds to be provided at the boundary of the project site.
4. Ground water quality monitoring should be conducted once in 3 Months
5. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
6. Rainwater shall be pumped out Via Settling Tank only
7. The project proponent shall undertake plantation/afforestation work by planting the native species on all side of the lease area
8. Atleast 10 neem trees should be planted around the boundary of the quarry site.
9. Floor of excavated pit to be levelled and sides to be sloped with gentle slope (Except for granite quarries) in the mine closure phase.
10. Earthen bunds and barbed wire fencing around the pits with green belt all along the boundary shall be developed and maintained.
11. The Project Proponent shall ensure a minimum of 2.5% of the annual turn over will be utilized for the CSR Activity
12. The Project Proponent shall provide solar lighting system to the nearby villages
13. The Project Proponent shall comply the mining and other relevant rules and regulations where ever applicable.
14. As per MoEF&CC, GoI, Office Memorandum dated 30.03.2015, prior clearance from Forestry & Wild Life angle including clearance from obtaining committee of the National Board for Wild life as applicable shall be obtained before starting the quarrying operation, if the project site is located within 10KM from National Park and Sanctuaries.
15. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.




***The PP has to furnish the below details before obtaining the EC for quarrying of Gravel/Savudu/Earth**

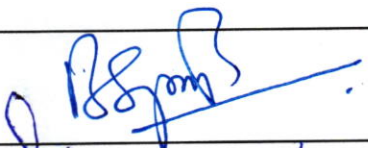
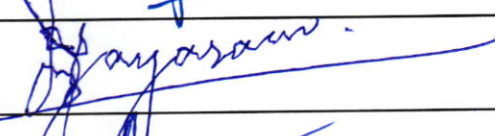



1. Obtain a letter /certificate from the Assistant Director of Geology and Mining standing that there is no other Minerals/resources like sand in the quarrying area within the approved depth of mining and below depth of mining.
2. The PP shall utilize brick earth for their captive purpose only.
3. The AD shall ensure that the PP shall utilize brick earth for their captive purpose only.

MINOR MINERALS - Brick Earth, Savudu, Gravel (7 Nos) - 22.04.2017

Sl. No.	F.No	Name of the proponent	Extent in ha.	SF.No	District	Recommendation of the Committee
1	5389	Thiru. A. Dharmaraj Karacheir Chettipalayam Coimbatore - 641201	7.04.0	114 Thirumalayampalayam Madukkarai	Coimbatore	Absent
2	5896	Thiru. A.Desiga Shanker S/o. Athveramapandiyan Kottaram Kanniyakumari - 629703	17.39.0	748/2, 3, 4, 5, 6, 7, 8, 752/2, 3, 4, 5, 6, 8, 9, 10, 753/10, 754/1, 4, 5, 755/1, 3, 4, 5, 756/1, 3, 6, 757/2, 3, 4, 5, 6, 763/2, 3, 4, 5, 7, 8, 767/2, 3, 4, 5, 7 & 768/1 Nallur Agastheeswaram	Kanniyakumari	Recommended Subject to conditions mentioned above and approval from NBWL

3	5978	Thiru. M. Amirthaganesan No.1/60B, Vaniyathidal Vanganagar Thiruthuraipoondi Tiruvarur	5.25.0	1172 (P) Vadugampadi Vedasandur	Dindigul	Recommended
4	5987	M/s. Sree Nagendra Constructions No.77, Sundaram Meena Nagar Punnai Nallur Mariamman Kovil Thanjavur - 613501	10.50.0	7/4 Kulichapattu Thanjavur	Thanjavur	Recommended
5	5998	Thiru. U.Murugesan S/o. Uthirapathi Muthupattinam, S.K. Kulavaopatti Post Pudukkottai District	5.25.0	8/2, 8/3, 8/4....etc Prambur Viralimalai	Pudukkottai	Recommended
6	6117	Thiru. S. Santhosh Kumar No.10/20, Vallalar Street Thirumoolar Colony Anna Nagar West Anna Nagar - 600 040	6.67.5	1 PWD Tank Red Hills Madhavaram	Thiruvallur	Recommended
7	6233	Thiru. G. Balachandar S/o. Ganapathi No.76K, 2nd Street Arulanandha Nager Thanjavur	5.41.5	242/1E2B Kurungulam West Thanjavur	Thanjavur	Recommended subject to conditions that depth of mining should not exceed 1.0meter

Sl. No	Name and position	Signature
1	Dr. K. Thanasekaran Member	
2	Dr. A. Navaneetha Gopalakrishnan Member	
3	Dr. K.Valivittan Member	
4	Dr. Indumathi M. Nambi Member	
5	Dr. G. S. Vijayalakshmi Member	
6	Dr. M. Jayaprakash Member	
7	Shri. V. Sivasubramanian Member	

8	Shri V. Shanmugasundaram Member	
9	Shri B. Sugirtharaj Koilpillai Member	
10	Shri M.S. Jayaram Co-opt member	
11	Shri P.Balamadeswaran Co-opt member	
 MEMBER SECRETARY-SEAC		 CHAIRMAN-SEAC 22/01/2017