


76 <sup>TH</sup> SEAC MEETING HELD ON 30.06.2016	
76-01 F.3228	<p>Project proposal of development of Industrial Estate in an extent of 579998.13 Sqm (143.32 Acres) at S.F .No 6/1A, 6/1B, etc., Panchanthiruthi village &amp; and S.F.No 9/1, 9/3, etc Amoor Village, Thiruporur Taluk, Kancheepuram District by <b>M/s. One Hub (Chennai) Pvt.Ltd.</b> - <b>Amendment in ToR from 7(c) to 8(b) and change in area from 57.99 ha to 59.97 ha - Reg</b></p>
	<p>The Proponent, M/s. One Hub (Chennai) Pvt. Ltd. vide letter dated 11.12.2014 submitted application in Form I, Pre feasibility report for the Proposed Industrial Estate Development Project at S.F .No 6/1A, 6/1B, etc., Panchanthiruthi village &amp; and S.F.No 9/1, 9/3, etc, Amoor Village, Thiruporur Taluk, Kancheepuram District. The SEAC in the <b>64th meeting</b> held on 20.03.2015 &amp; 21.03.2015, appraised the proposal of establishment of an industrial estate in an extent of <b>57.99 ha</b> (143.32 Acres) proposed to house mainly Auto Ancillary, Electronic and white goods, Food and Fast moving consumer goods and Logistics . The project proposal also consisted providing Common Sewage Treatment plant (STP) to treat the sewage generation from the Industrial Estate and <b>providing Common Effluent Treatment plant (CETP)</b> to treat the trade generation from the industrial units to be housed in the Industrial Estate. The SEAC prescribed ToR under category B1, Sch. No. 7(C) with Public Hearing and ToR was issued vide Lr.No.SEIAA/F.No.3228/KPM/7(h)/ToR-224/2015 dated 01.04.2015.</p> <p>The proponent furnished letter for change of category to B2 , and Schedule No. 8(b) , area development project stating that CETP is not proposed . The proponent was asked to furnish additional details, thereby the proponent submitted revised application in Updated Form-I, Form IA and conceptual plan.</p> <p>Based on details submitted, the proposal was placed in the 76th SEAC meeting held on 30.06.2016. After detailed discussion</p>

	<p>and obtaining additional details and lay out plan , the SEAC appraised the proposal and decided to issue revised standard ToR in category B, schedule 8(b) as per Annexure - I, instead of Category B1, 7( C ), and following additional ToR:</p> <ol style="list-style-type: none"> <li>1. Affidavit shall be furnished that no category A or B project will be housed inside the premises.</li> <li>2. The proponent shall ensure Green Belt of 33% in the Industrial Plot area for which EC is sought .</li> <li>3. Report shall be submitted on Flood Prevention and management .</li> <li>4. Certificate from Revenue department/PWD that no water bodies have been encroached of their original boundary shall be submitted.</li> <li>5. Results of analysis reports of STP operating with SBR technology shall be furnished.</li> <li>6. Detailed report on Storm water management as per guidance available shall be furnished.</li> <li>7. Report on Traffic study with regard to air quality ,noise etc shall be furnished.</li> </ol>
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S.No.	Name	Designation	Signature
1.	Dr. K. Thanasekaran	Member	
2.	Dr. A. Navaneetha Gopalakrishnan	Member	
3.	Dr. K. S. Kavi Kumar	Member	
4.	Dr. K.Valivittan	Member	
5.	Dr.Indumathi.M. Nambi	Member	

6.	Dr.G.S. Vijayalakshmi	Member	
7.	Dr. M. Jayaprakash	Member	
8.	Shri.V.Siva Subramanian	Member	
9.	Shri V. Shanmuga Sundaram	Member	
10.	Shri B. Sugirtharaj Koilpillai	Member	

Member Secretary,TNPCB  
SEAC-TN

  
Chairman  
SEAC-TN

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## ANNEXURE - I

### **8(b): STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR TOWNSHIP/ AREA DEVELOPMENT PROJECTS AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT.**

- 1) Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
- 2) Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
- 3) Examine baseline environmental quality along with projected incremental load due to the project.
- 4) Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- 5) Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
- 6) Submit the details of the trees to be felled for the project.
- 7) Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- 8) Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- 9) Ground water classification as per the Central Ground Water Authority.
- 10) Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- 11) Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- 12) Examine soil characteristics and depth of ground water table for rainwater harvesting.
- 13) Examine details of solid waste generation treatment and its disposal.
- 14) Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
- 15) DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- 16) Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for



facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.

- 17) A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- 18) Examine the details of transport of materials for construction which should include source and availability.
- 19) Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- 20) Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- 21) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 22) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 23) Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

Member Secretary, TNPCB  
SEAC-TN

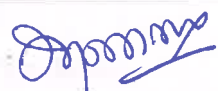

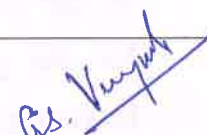


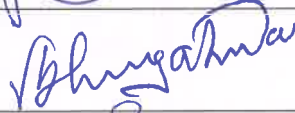

  
Chairman  
SEAC-

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-02</b> <b>F.5030</b></p>	<p><b>Proposed Reconstruction of 596 PC/HC Quarters for A.R. Police along with existing buildings by M/s. Tamil Nadu Police Housing Corporation Limited at S.F.No. 1601/1, etc, Pudupet Village, Egmore-Nungambakkam Taluk, Chennai District, Tamilnadu – Category “B”-8(a) Building and constructions- Environmental Clearance - Regarding</b></p>
	<p>The Proponent of “M/s. Tamil Nadu Police Housing Corporation Limited” has applied for Environment Clearance for the proposed reconstruction of 596 PC/HC Quarters for A.R. Police along with existing buildings with built up area of 72320.06 Sq.m. at S.F.No. 1601/1, etc, Pudupet Village, Egmore-Nungambakkam Taluk, Chennai District, Tamilnadu on 08.02.2016.</p> <p>The Committee further 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"> <li>1. Detailed proposal on Safety aspects, pollution impact mitigation, disposal of debris, etc., for demolition of the old buildings shall be furnished.</li> <li>2. The minimum quantity of 100 KLD of excess treated water shall be reused in the gardening area of Rajarathinam Stadium, which is located nearby the project site.</li> <li>3. Regarding the green/tree belt area, the following details needs to be furnished. <ol style="list-style-type: none"> <li>a. Location of tree belt area in the periphery of the project site with dimensions (Location, Length * Breadth, m, and Total area) in a clear layout plan.</li> <li>b. The type and number of tree species proposed to be planted shall be furnished.</li> <li>c. The tree species shall be altered as per the advice of Shri B. SugirtharajKoilpillai, Member – SEAC.</li> </ol> </li> <li>4. Cooum River shall not be polluted at any point of time (Specific Condition in EC)</li> </ol>

## Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

5. Detailed Disaster Management plan and emergency exit plan during Natural Calamities.


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1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	—
3	Dr. K. S. Kavi Kumar	Member	—
4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	—
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. SugirtharajKoilpillai	Member	

Member-Secretary, SEAC


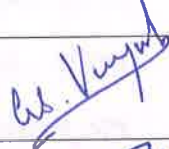


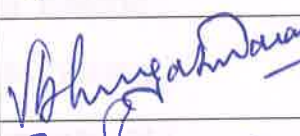
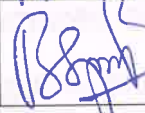
  
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**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**


76-03 F.5085	Proposed Construction of 960 nos. of Slum Tenements by M/s. Tamil Nadu Slum Clearance Board at S.F.No. 64/9, etc, Kondichettipatti Village, Namakkal Taluk, Namakkal District, Tamilnadu – Category “B”-8(a) Building and constructions- Environmental Clearance - Regarding
	<p>The Proponent of “M/s. Tamil Nadu Slum Clearance Board” has applied for Environment Clearance for the proposed Construction of 960 nos. of Slum Tenements with built up area of 35644.80 Sq.m. at S.F.No. 64/9, etc, Kondichettipatti Village, Namakkal Taluk, Namakkal District, Tamilnadu on 24.02.2016.</p> <p>The Committee further 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"> <li>1. Reusing of excess treated water for the nearby agricultural land is not permissible, only disposal through Namakkal Municipality is recommended, hence furnish necessary permission letter for disposal of excess treated water from Namakkal Municipality.</li> <li>2. The tree species shall be altered as per the advice of Shri B. SugirtharajKoilpillai, Member – SEAC.</li> <li>3. Biodegradable Solid waste shall be composted using Organic Waste Convertor.</li> </ol>

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	

## Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

2	Dr. A. NavaneethaGopalakrishnan	Member	-
3	Dr. K. S. Kavi Kumar	Member	-
4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	-
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. SugirtharajKoilpillai	Member	

Member-Secretary, SEAC

  
Chairman, SEAC

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-04</b> <b>F.4395</b></p>	<p><b>Proposed Black Granite mine over an extent of 20.82.5 ha. by "M/s Tamilnadu Minerals Limited" at S.F.No 42/1, 63/7 &amp; 9, Thiruvakkarai Village, Vanur Taluk, Villupuram District – Category "B1"-1(a) Mining of Minerals- ToR to be issued- Regarding</b></p>
	<p>The Proponent of "M/s Tamilnadu Minerals Limited" has applied for Environment Clearance for the proposed Black Granite mine over an extent of 20.82.5 ha. with <b>production capacity of 2521.260m<sup>3</sup> for a period of 5 years</b> at S.F.No 42/1, 63/7 &amp; 9, Thiruvakkarai Village, Vanur Taluk, Villupuram District on 20.10.2015.</p> <p>The Committee observed that the above project comes under Item No 1(a) of the Schedule. Based on the presentation made by the proponent and the documents furnished, the Committee <b>decided to prescribe TOR (Annexure)</b> for the preparation of EIA report, along with <b>certain additional details</b>. The Detailed EIA should include the following information.</p> <ol style="list-style-type: none"> <li>1. More number of trees should be planted along the periphery of the project site (Massive Tree planting).</li> <li>2. Study on Ecological impact on water table, Vegetation, etc shall be conducted and report needs to be furnished.</li> <li>3. Roads should be maintained continuously by the proponent.</li> <li>4. Ground water quality shall be monitored continuously and the report to be furnished.</li> <li>5. Focussed CSR activity with Specific allocation of funds shall be done also after the project is completed, should include the following:             <ol style="list-style-type: none"> <li>a. Solar lighting &amp; other sanitary facilities for the nearby villages and the details shall be furnished as affidavit.</li> </ol> </li> <li>6. The scheme of mining <sup>for approval</sup> was submitted <sup>to CEM</sup> vide Letter dated:</li> </ol>

## Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

	<p>11.02.2012, Environment Clearance shall be issued only after producing the approved mining plan.</p> <p>7. As per the request made by the Project Proponent to the Committee, the Proponent is permitted to use data collected in summer 2016 for the EIA Study.</p>
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1	Dr. K. Thanasekaran	Member	
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4	Dr.K.Valivittan	Member	
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8	Shri V. Sivasubramanian	Member	
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- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The 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, may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting



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study etc. should be detailed. The proposed safeguard measures in each case should also be provided.

- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as

### Annexure

- proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
- 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

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- 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
- 23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained

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and copy furnished.

- 29) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 30) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- 31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 32) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 36) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the

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- proposed remedial measures should be detailed along with budgetary allocations.
- 37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
  - 38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
  - 39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
  - 40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
  - 41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
  - 42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
  - 43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
  - 44) Besides the above, the below mentioned general points are also to be followed:-
    - a) Executive Summary of the EIA/EMP Report
    - b) All documents to be properly referenced with index and continuous page numbering.
    - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
    - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.

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- e) Where the documents provided are in a language other than English, an English translation should be provided.
- f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
- g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
- i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
- j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

Member Secretary, SEAC

  
Chairman, SEAC

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-05</b> <b>F.4050</b></p>	<p><b>Proposed Colour Granite mine over an extent of 36.47.0 ha. by "M/s Tamilnadu Minerals Limited" at S.F.No. 409 (Part) Chendarapalli Village, Krishnagiri Taluk, Krishnagiri District – Category "B1"-1(a) Mining of Minerals- ToR to be issued- Regarding</b></p>
	<p>The Proponent of "M/s Tamilnadu Minerals Limited" has applied for Environment Clearance for the proposed Colour Granite mine over an extent of 36.47.0 ha. with <b>production capacity of 3058.375 m<sup>3</sup> for a period of 5 years</b> at S.F.No. 409 (Part) ,Chendarapalli Village, Krishnagiri Taluk, Krishnagiri District on 22.09.2015.</p> <p>The Committee observed that the above project comes under Item No 1(a) of the Schedule .Based on the presentation made by the proponent and the documents furnished, the Committee <b>decided to prescribe TOR (Annexure)</b> for the preparation of EIA report, <b>along with certain additional details.</b> The Detailed EIA should include the following information.</p> <ol style="list-style-type: none"> <li>1. More number of trees should be planted along the periphery of the project site (Massive Tree planting).</li> <li>2. Study on Ecological impact on water table, Vegetation, etc shall be conducted and report needs to be furnished.</li> <li>3. Roads should be maintained continuously by the proponent.</li> <li>4. Ground water quality shall be monitored continuously and the report to be furnished.</li> <li>5. Focussed CSR activity with Specific allocation of funds shall be done also after the project is completed, should include the following: <ol style="list-style-type: none"> <li>a. Solar lighting &amp; other sanitary facilities for the nearby villages and the details shall be furnished as affidavit.</li> </ol> </li> <li>6. Earlier year wise production details shall be furnished.</li> </ol>

## Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

	<p>7. Details of present stage of the depth of the pit and the proposed depth from the existing strata to be furnished (Every year depth calculation shall be done).</p> <p>8. DGPS survey system shall only be adopted.</p> <p>9. The scheme of mining was submitted vide Letter dated:18.01.2012, hence Environment Clearance shall be issued only after producing the approved mining plan.</p> <p>10. As per the request made by the Project Proponent to the Committee, the Proponent is permitted to use data collected in summer 2016 for the EIA Study.</p>
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S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	-
3	Dr. K. S. Kavi Kumar	Member	-
4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	-
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. Sugirtharaj Koilpillai	Member	

Member-Secretary, SEAC

Chairman, SEAC



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- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The 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, may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting

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study etc. should be detailed. The proposed safeguard measures in each case should also be provided.

- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as

## Annexure

proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.

- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
- 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

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- 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
- 23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained

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and copy furnished.

- 29) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 30) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- 31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 32) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 36) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the

### Annexure

proposed remedial measures should be detailed along with budgetary allocations.

- 37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 44) Besides the above, the below mentioned general points are also to be followed:-
  - a) Executive Summary of the EIA/EMP Report
  - b) All documents to be properly referenced with index and continuous page numbering.
  - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
  - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.

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- e) Where the documents provided are in a language other than English, an English translation should be provided.
- f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
- g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
- i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
- j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

Member Secretary, SEAC



Chairman, SEAC



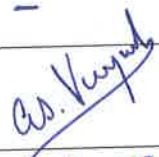
**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-06</b> <b>F.4396</b></p>	<p><b>Proposed Multi Colour Granite mine over an extent of 16.12.0 ha. by "M/s Tamilnadu Minerals Limited" at S.F.No 516/1, 518/4 &amp; 534, Arasiramani Village, Sankari Taluk, Salem District – Category "B1"-1(a) Mining of Minerals- ToR to be issued- Regarding</b></p>
	<p>The Proponent of "M/s Tamilnadu Minerals Limited" has applied for Environment Clearance for the proposed Multi Colour Granite mine over an extent of 16.12.0 ha. with <b>production capacity of 18162 m<sup>3</sup> for a period of 5 years</b> at S.F.No 516/1, 518/4 &amp; 534, Arasiramani Village, Sankari Taluk, Salem District on 20.10.2015.</p> <p>The Committee observed that the above project comes under Item No 1(a) of the Schedule .Based on the presentation made by the proponent and the documents furnished, the Committee <b>decided to prescribe TOR (Annexure)</b> for the preparation of EIA report, <b>along with certain additional details.</b> The Detailed EIA should include the following information.</p> <ol style="list-style-type: none"> <li>1. More number of trees should be planted along the periphery of the project site (Massive Tree planting).</li> <li>2. Study on Ecological impact on water table, Vegetation, etc shall be conducted and report needs to be furnished.</li> <li>3. Roads should be maintained continuously by the proponent.</li> <li>4. Ground water quality shall be monitored continuously and the report to be furnished.</li> <li>5. Focussed CSR activity with Specific allocation of funds shall be done also after the project is completed, should include the following: <ol style="list-style-type: none"> <li>a. Solar lighting &amp; other sanitary facilities for the nearby villages and the details shall be furnished as affidavit.</li> </ol> </li> <li>6. The rejects calculation shall be reworked, so that it does not</li> </ol>



## Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

	<p>exceed 100%.</p> <p>7. The scheme of mining <sup>for approval to cem</sup> was submitted <sup>vide</sup> Letter No. 1156/ML2/2010 dated:16.06.2015, Environment Clearance shall be issued only after producing the approved mining plan.</p> <p>8. As per the request made by the Project Proponent to the Committee, the Proponent is permitted to use data collected in summer 2016 for the EIA Study.</p>
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S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	-
3	Dr. K. S. Kavi Kumar	Member	-
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Member-Secretary, SEAC

  
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- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
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- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
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- 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
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- 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
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- 29) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 30) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- 31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 32) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 36) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the

### Annexure

proposed remedial measures should be detailed along with budgetary allocations.

- 37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 44) Besides the above, the below mentioned general points are also to be followed:-
  - a) Executive Summary of the EIA/EMP Report
  - b) All documents to be properly referenced with index and continuous page numbering.
  - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
  - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.

### Annexure

- e) Where the documents provided are in a language other than English, an English translation should be provided.
- f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
- g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
- i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
- j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

Member Secretary, SEAC

  
Chairman, SEAC



**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-07</b> <b>F.4398</b></p>	<p><b>Proposed Black Granite over an extent of 4.90.0 ha. by "M/s Tamilnadu Minerals Limited" at S.F.No 206/1 (P) Seelilampatti Village, Attur Taluk, Salem District- Category "B2"-1(a) Mining of Minerals- Environmental Clearance - Regarding</b></p>
	<p>The Proponent of "M/s Tamilnadu Minerals Limited" has applied for Environment Clearance for the proposed Black granite over an extent of 4.90.0 ha. at S.F.No 206/1 (P), Seelilampatti Village, Attur Taluk, Salem District on 20.10.2015.</p> <p>The Committee further observed that the above project comes under Item No 1(a) of the Schedule. After the presentation made by the proponent the Committee <b>decided to recommend the proposal for the grant of EC to SEIAA after obtaining and considering the following details,</b></p> <ol style="list-style-type: none"> <li>1. More number of trees should be planted along the periphery of the project site (Massive Tree planting).</li> <li>2. Study on Ecological impact on water table, Vegetation, etc shall be conducted and report needs to be furnished.</li> <li>3. Roads should be maintained continuously by the proponent.</li> <li>4. Ground water quality shall be monitored continuously and the report to be furnished.</li> <li>5. Focussed CSR activity with Specific allocation of funds shall be done also after the project is completed, should include the following: <ol style="list-style-type: none"> <li>a. Solar lighting &amp; other sanitary facilities for the nearby villages and the details shall be furnished as affidavit.</li> </ol> </li> <li>6. Earlier year wise production details shall be furnished.</li> <li>7. Details of present stage of the depth of the pit and the proposed depth from the existing strata to be furnished (Every year depth calculation shall be done).</li> <li>8. DGPS survey system shall only be adopted.</li> <li>9. The scheme of mining <sup>for approval</sup> was submitted <sup>to CCM</sup> vide Letter No.</li> </ol>

# Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

	4872/ML3/2012 dated:26.04.2012, hence Environment Clearance shall be issued only after producing the approved mining plan.
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S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	-
3	Dr. K. S. Kavi Kumar	Member	-
4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	-
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. Sugirtharaj Koilpillai	Member	

Member-Secretary, SEAC

  
Chairman, SEAC

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-08</b> <b>F.4415</b></p>	<p><b>Proposed Black Granite over an extent of 16.72.0 ha. by "M/s Tamilnadu Minerals Limited" at Yellikaradu, Palamalai RF Village, Mettur Range &amp; Taluk, Salem District- Category "B2"-1(a) Mining of Minerals- Environmental Clearance - Regarding</b></p>
	<p>The Proponent of "M/s Tamilnadu Minerals Limited" has applied for Environment Clearance for the proposed Black granite over an extent of 16.72.0 ha. at Yellikaradu, Palamalai RF Village, Mettur Range &amp; Taluk, Salem District on 02.11.2015.</p> <p>The Committee further observed that the above project comes under Item No 1(a) of the Schedule. After the presentation made by the proponent the Committee <b>decided to recommend the proposal for the grant of EC to SEIAA after obtaining and considering the following details,</b></p> <ol style="list-style-type: none"> <li>1. More number of trees should be planted along the periphery of the project site (Massive Tree planting).</li> <li>2. Study on Ecological impact on water table, Vegetation, etc shall be conducted and report needs to be furnished.</li> <li>3. Roads should be maintained continuously by the proponent.</li> <li>4. Ground water quality shall be monitored continuously and the report to be furnished.</li> <li>5. Focussed CSR activity with Specific allocation of funds shall be done also after the project is completed, should include the following: <ol style="list-style-type: none"> <li>a. Solar lighting &amp; other sanitary facilities for the nearby villages and the details shall be furnished as affidavit.</li> </ol> </li> <li>6. Earlier year wise production details shall be furnished.</li> <li>7. Details of present stage of the depth of the pit and the proposed depth from the existing strata to be furnished (Every year depth calculation shall be done).</li> <li>8. DGPS survey system shall only be adopted.</li> <li>9. No natural trees / vegetation inside the RF should not be cut</li> </ol>

# Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

	<p>or damaged (Specific Condition in EC)</p> <p>10. HACA clearance shall be obtained as Palamalai falls under HACA Village, hence Environment Clearance shall be issued only after producing the HACA Clearance.</p>
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S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	-
3	Dr. K. S. Kavi Kumar	Member	-
4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	-
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. Sugirtharaj Koilpillai	Member	

Member-Secretary, SEAC

Chairman, SEAC

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-09</b> <b>F.4392</b></p>	<p><b>Proposed Multi Colour Granite over an extent of 14.11.5 ha. by "M/s Tamilnadu Minerals Limited" at S.F.No 323 Andigoundanur Village, Udumalpet Taluk, Tiruppur District- Category "B2"-1(a) Mining of Minerals- Environmental Clearance - Regarding</b></p>
	<p>The Proponent of "M/s Tamilnadu Minerals Limited" has applied for Environment Clearance for the proposed Multi Colour granite over an extent of 14.11.5 ha. at S.F.No 323, Andigoundanur Village, Udumalpet Taluk, Tiruppur District on 20.10.2015.</p> <p>The Committee further observed that the above project comes under Item No 1(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"> <li>1. More number of trees should be planted along the periphery of the project site (Massive Tree planting).</li> <li>2. Study on Ecological impact on water table, Vegetation, etc shall be conducted and report needs to be furnished.</li> <li>3. Roads should be maintained continuously by the proponent.</li> <li>4. Ground water quality shall be monitored continuously and the report to be furnished.</li> <li>5. Focussed CSR activity with Specific allocation of funds shall be done also after the project is completed, should include the following: <ol style="list-style-type: none"> <li>a. Solar lighting &amp; other sanitary facilities for the nearby villages and the details shall be furnished as affidavit.</li> </ol> </li> <li>6. Earlier year wise production details shall be furnished.</li> <li>7. Details of present stage of the depth of the pit and the proposed depth from the existing strata to be furnished (Every year depth calculation shall be done).</li> <li>8. DGPS survey system shall only be adopted.</li> <li>9. The scheme of mining <sup>for approval</sup> was submitted <sup>to CEM</sup> vide Letter No. 6586/ML2/2013 dated:10.05.2013, hence Environment</li> </ol>

## Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

	Clearance shall be issued only after producing the approved mining plan.
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S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	-
3	Dr. K. S. Kavi Kumar	Member	-
4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	-
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. Sugirtharaj Koilpillai	Member	

Member-Secretary, SEAC










  
Chairman, SEAC

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-10</b> <b>F.1194</b></p>	<p><b>Proposed Black Granite over an extent of 8.98.5 ha. by “M/s Tamilnadu Minerals Limited” at S.F. No. 883 (P), Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District- Category “B2”-1(a) Mining of Minerals- Environmental Clearance - Regarding</b></p>
	<p>The Proponent of “M/s Tamilnadu Minerals Limited” has applied for Environment Clearance for the proposed Black granite over an extent of 8.98.5 ha. at S.F. No. 883 (P), Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District on 08.05.2013.</p> <p>It was observed that the Karnataka state boundary was located at a distance of 8.1 KM from the proposed mine site. Hence the project attracted General Conditions of EIA Notification, 2006 and was forwarded to MoEF &amp;CC as it comes under Category “A” project.</p> <p>Accordingly, ToR was issued by MoEF &amp; CC vide F.No.J-11015/43/2014-IA.II (M) dated:07.05.2014. Further, as per OM of MoEF/Gol vide Notification No. J-13012/12/2013-IA-II (I) dated:24.12.2013, the mining lease area is less than 25 ha., hence comes under “B<sub>2</sub>” and as per notification S.O.1599 (E) dated 25.06.2014, the GC has been revised and it is stating that the interstate boundary does not fall within 5 Kms can be considered as Category “B”.</p> <p>The Committee further observed that the above project comes under Item No 1(a) , category “B<sub>2</sub>” 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"> <li>1. More number of trees should be planted along the periphery of the project site (Massive Tree planting).</li> <li>2. Study on Ecological impact on water table, Vegetation, etc shall be conducted and report needs to be furnished.</li> <li>3. Roads should be maintained continuously by the proponent.</li> <li>4. Ground water quality shall be monitored continuously and the report to be furnished.</li> <li>5. Focussed CSR activity with Specific allocation of funds shall be</li> </ol>

## Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

	<p>done also after the project is completed, should include the following:</p> <p>a. Solar lighting &amp; other sanitary facilities for the nearby villages and the details shall be furnished as affidavit.</p> <p>6. Earlier year wise production details along with upto date quantity mined out shall be furnished.</p> <p>7. Details of present stage of the depth of the pit and the proposed depth from the existing strata to be furnished (Every year depth calculation shall be done).</p> <p>8. DGPS survey system shall only be adopted.</p> <p>9. The scheme of mining <sup>for approval</sup> was submitted <sup>to cen</sup> vide Letter dated:06.08.2015, hence Environment Clearance shall be issued only after producing the approved mining plan.</p>
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S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	
3	Dr. K. S. Kavi Kumar	Member	
4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. Sugirtharaj Koilpillai	Member	

Member-Secretary, SEAC

  
Chairman, SEAC



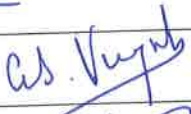






**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p>76-11 F.5149</p>	<p>Proposed Construction of TICEL Bio Technology Park III by M/s. TICEL Bio Park Limited at S.F.No. 66/2, 67/1, 68/1A &amp; 75/2, Somayapalayam Village, Coimbatore North Taluk, Coimbatore District, Tamilnadu – Category “B”-8(a) Building and constructions- Environmental Clearance - Regarding</p>
	<p>The Proponent of “M/s. TICEL Bio Park Limited ” has applied for Environment Clearance for the proposed Construction of TICEL Bio Technology Park III with built up area of 21368 Sq.m. at S.F.No. 66/2, 67/1, 68/1A &amp; 75/2, Somayapalayam Village, Coimbatore North Taluk, Coimbatore District, Tamilnadu on 18.03.2016.</p> <p>The Committee further 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 call for the following details,</p> <ol style="list-style-type: none"> <li>1. The bund on the nallah shall be strengthened.</li> <li>2. Details on arrangement of connecting the excess storm water into the existing nallah.</li> <li>3. Permission from TWAD Board on Water supply.</li> <li>4. Raw effluent quality characteristics need to be clarified. ETP needs to be designed based on the revised characteristics of effluent and its detailed report to be furnished.</li> <li>5. Combined quality of treated effluent and treated sewage shall be submitted, so that it is suited to be used for gardening needs to be clarified.</li> <li>6. Treated effluent characteristics of ETP shall be furnished.</li> <li>7. Canteen waste shall be included in the solid waste management.</li> </ol>

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	<p>8. Clear drawing copies of Pg.no.210, 212, 214 of the EC application needs to be submitted.</p> <p>The Proponent furnished the above said details on 01.07.2016.</p> <p>Considering the response letter dated 01.07.2016, the SEAC decided to <b>recommend the proposal for the grant of EC to SEIAA</b> subjected to the following condition:</p> <p>a) Permission from the TWAD Board for fresh water supply shall be obtained before the operation phase.</p>
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S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	—
3	Dr. K. S. Kavi Kumar	Member	—
4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	—
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. SugirtharajKoilpillai	Member	

Member-Secretary, SEAC

  
Chairman, SEAC

## Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

<p>76-12 F.5132</p>	<p>Proposed Industrial park “M/s Mahindra Industrial Park Chennai Limited.” at S.no. 65/1, 65/2, 65/3, 65/4, 66/1, 66/2, 66/3 etc. 119/8, 120/1, 120/11, 120/2, 120/3, 120/4, 120/5 etc. Eliambedu &amp; Puduvoyal Village, Ponneri &amp; Gummidipoondi Taluk, Thiruvallur District – Category “B”-8(b) Building and constructions- ToR to be issued- Regarding</p>
	<p>The Proponent of “M/s Mahindra Industrial Park Chennai Limited “ has submitted application Form1, Form 1A for obtaining Environment Clearance for the proposed Development of Industrial park with Land area of 106.786 ha. at S.no. 65/1, 65/2, 65/3, 65/4, 66/1, 66/2, 66/3 etc. 119/8, 120/1, 120/11, 120/2, 120/3, 120/4, 120/5 etc. Eliambedu &amp; Puduvoyal Village, Ponneri &amp; Gummidipoondi Taluk, Thiruvallur District on 15.03.2016.</p> <p>The Committee observed that the above project comes under Item No 8(b) of the Schedule .Based on the presentation made by the proponent and the documents furnished, the Committee decided to prescribe TOR (Annexure ) for the preparation of EIA report, along with certain additional details. The Detailed EIA should include the following information.</p> <ol style="list-style-type: none"> <li>1. Green belt shall be 33 % of the total plot area, hence revised land use break up details shall be furnished.</li> <li>2. The characteristics of treated sewage reused for flushing shall include coliforms also.</li> <li>3. Test results/datas on SBR Technology of other industries shall be furnished.</li> <li>4. Certificate stating proposed site not encroached any water body (rivers, canals, Lakes, pods, tanks etc..) from its original boundary shall be obtained from PWD and Revenue departments.</li> <li>5. Flood management report needs to be furnished.</li> <li>6. Any lakes nearby shall not be polluted at any point of time( Specific condition in EC).</li> <li>7. Focussed CSR activity with Specific allocation of funds(0.5 % of the total Outlay) should include the following: <ol style="list-style-type: none"> <li>a. Establishment of state of art knowledge centre, provision of basic amenities such as drinking water facility, sanitation and solar lighting etc. in the nearby</li> </ol> </li> </ol>

## Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

	<p>Government school/ Nearby villages and improvement shall be part CSR activity. Details work plan (Name of the selected nearby school, budget allocation for establishment and maintenance etc) and other details shall be furnished as affidavit.</p> <p>b. Maintenance of lakes/ ponds around the project site.</p> <p>8. As per the request made by the Project Proponent to the Committee, the Proponent is permitted to use data collected in summer 2016 for the EIA Study.</p>
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S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	—
3	Dr. K. S. Kavi Kumar	Member	—
4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	—
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. Sugirtharaj Koilpillai	Member	

Member-Secretary, SEAC

Chairman, SEAC

### Annexure

- 1) Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
- 2) Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
- 3) Examine baseline environmental quality along with projected incremental load due to the project.
- 4) Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- 5) Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
- 6) Submit the details of the trees to be felled for the project.
- 7) Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- 8) Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- 9) Ground water classification as per the Central Ground Water Authority.
- 10) Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- 11) Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- 12) Examine soil characteristics and depth of ground water table for rainwater harvesting.
- 13) Examine details of solid waste generation treatment and its disposal.
- 14) Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
- 15) DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- 16) Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.



- 17) A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- 18) Examine the details of transport of materials for construction which should include source and availability.
- 19) Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- 20) Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- 21) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 22) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 23) Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

Member Secretary, SEAC




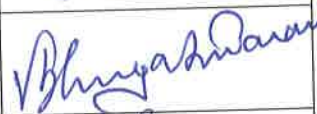

  
Chairman, SEAC

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

76-13 F.5207	Proposed construction of Multi-storeyed buildings "Cochin House" by M/s. Tamil Nadu Police Housing Corporation Limited at S.F.No. 7/1, Block 13, Nungambakkam Village, Nungambakkam Taluk, Chennai District, Tamilnadu – Category "B"-8(a) Building and constructions- Environmental Clearance - Regarding
	<p>The Proponent of "M/s. Tamil Nadu Police Housing Corporation Limited" has applied for Environment Clearance for the proposed construction of Multi-storeyed buildings "Cochin House" with built up area of 106475 Sq.m. at S.F.No. 7/1, Block 13, Nungambakkam Village, Nungambakkam Taluk, Chennai District, Tamilnadu on 05.04.2016.</p> <p>The Committee further 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"> <li>1. Solid waste shall be composted in-situ without disposing through Chennai Corporation.</li> <li>2. Test results/datas on MBBR Technology of other industries shall be furnished.</li> <li>3. Flood management report needs to be furnished.</li> </ol>

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	-
3	Dr. K. S. Kavi Kumar	Member	-
4	Dr.K.Valivittan	Member	

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

5	Dr.Indumathi M. Nambi	Member	-
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. SugirtharajKoilpillai	Member	


Member-Secretary, SEAC

  
Chairman, SEAC

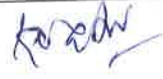



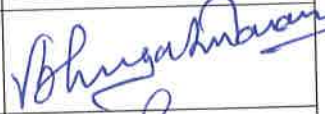



**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<b>76-14</b>  <b>F.5082</b>	<b>Proposed construction of residential complex by M/s. Alliance Villas Pvt. Ltd. at S.F.No. 1361/2A3A, etc.,Thaiyur B Village Thiruporur Taluk, Kancheepuram District, Tamilnadu – Category “B”-8(a) Building and constructions- Environmental Clearance - Regarding</b>
	<p>The Proponent of “M/s. Alliance Villas Pvt. Ltd.” has applied for Environment Clearance for the proposed construction of residential complex with built up area of 43924.85 Sq.m. at S.F.No. 1361/2A3A, etc.,Thaiyur B Village Thiruporur Taluk, Kancheepuram District, Tamilnadu on 23.02.2016.</p> <p>The Committee further 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"> <li>1. Permission letter shall be obtained from the BDO for the supply of fresh water.</li> <li>2. Alternative proposal for disposal of excess treated water so as to dispose through the nearby CMWSSB STP shall be furnished.</li> <li>3. Flood management report needs to be furnished.</li> <li>4. Certificate stating proposed site not encroached any water body (rivers, canals, Lakes, pods, tanks etc.,) from its original boundary shall be obtained from Tahsildar.</li> <li>5. Solar power system as an energy conservation method is mandatory shall be used for maximum extent possible; hence details on design calculation and location shall be furnished</li> </ol>

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	—
3	Dr. K. S. Kavi Kumar	Member	—

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	-
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. SugirtharajKoilpillai	Member	

Member-Secretary, SEAC

  
Chairman, SEAC

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-15</b> <b>F.5356</b></p>	<p><b>Proposed construction of residential complex by M/s. Casa Grande Private Ltd. at S.F.No. 235/2B3, 23585B...etc, Manapakkam, Sriperumbuthur, Kancheepuram District, Tamilnadu – Category “B”-8(a) Building and constructions- Environmental Clearance - Regarding</b></p>
	<p>The Proponent of “M/s. Casa Grande Private Ltd.” has applied for Environment Clearance for the proposed construction of residential complex with built up area of 45402.53 Sq.m. at S.F.No. 235/2B3, 23585B...etc, Manapakkam, Sriperumbuthur, Kancheepuram District, Tamilnadu on 06.06.2016.</p> <p>The Committee further 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"> <li>1. Regarding the green/tree belt area, the following details needs to be furnished. <ol style="list-style-type: none"> <li>a. Location of tree belt area in the periphery of the project site with dimensions (Location, Length * Breadth, m, and Total area) in a clear layout plan.</li> <li>b. The tree species shall be altered as per the advice of Shri B. SugirtharajKoilpillai, Member – SEAC.</li> </ol> </li> <li>2. Flood management report needs to be furnished.</li> <li>3. Focussed CSR activity with Specific allocation of funds(0.5 % of the total Outlay) should include the following: <ol style="list-style-type: none"> <li>a. Establishment of state of art knowledge centre, provision of basic amenities such as drinking</li> </ol> </li> </ol>

# Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

water facility, sanitation and solar lighting etc. in the nearby Government school/ Nearby villages and improvement shall be part CSR activity. Details work plan (Name of the selected nearby school, budget allocation for establishment and maintenance etc) and other details shall be furnished as affidavit.

b. Maintenance of lakes/ ponds around the project site.

4. Solar power system as an energy conservation method is mandatory shall be used for maximum extent possible; hence details on design calculation and location shall be furnished

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

Member-Secretary, SEAC



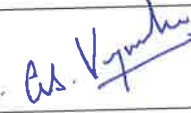

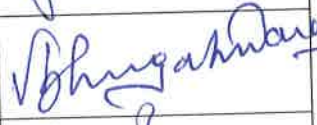

Chairman, SEAC

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-16</b> <b>F.5357</b></p>	<p>Proposed Additional staircases(7 nos.) at Sri Ramakrishna Dental college &amp; Hospital by "M/s SNR Sons Charitable Trust "at Old SF No. 399, New SF No. 110 , Sowripalayam Village, Ward AA(27), Coimbatore corporation, Coimbatore South Taluk, Coimbatore District – Category "B"-8(a) Building and constructions- Environmental Clearance - Regarding</p>
	<p>The Proponent of "M/s SNR Sons Charitable Trust" has applied for Environment Clearance for the proposed Additional staircases(7 nos.) at Sri Ramakrishna Dental college &amp; Hospital with built up area on expansion of 24751.64 Sq.m at Old SF No. 399, New SF No. 110 , Sowripalayam Village, Ward AA(27), Coimbatore corporation, Coimbatore South Taluk, Coimbatore District on 06.06.2016.</p> <p>The Committee further 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"> <li>1. Solar power system as an energy conservation method is mandatory shall be used for maximum extent possible; hence details on design calculation and location shall be furnished.</li> <li>2. Regarding the green/tree belt area, the following details needs to be furnished. <ol style="list-style-type: none"> <li>a. Location of tree belt area in the periphery of the project site with dimensions (Location, Length * Breadth, m, and Total area) in a clear layout plan.</li> </ol> </li> <li>3. Focussed CSR activity with Specific allocation of funds should include the following: <ol style="list-style-type: none"> <li>a. Establishment of state of art knowledge centre, provision of basic amenities such as drinking water facility, sanitation and solar lighting etc.</li> </ol> </li> </ol>

# Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

	in the nearby Government school and improvement shall be part CSR activity. Details work plan (Name of the selected nearby school, budget allocation for establishment and maintenance etc) and other details shall be furnished as affidavit.
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S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	-
3	Dr. K. S. Kavi Kumar	Member	-
4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	-
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. Sugirtharaj Koilpillai	Member	

Member-Secretary, SEAC

Chairman, SEAC

76<sup>th</sup> STATE EXPERT APPRAISAL COMMITTEE HELD ON 30.06.2016

76 - 17 F.4414	Proposed Textile Park in Special Economic Zone at S.F. No. 126, 129, 132, 135 – 144, 151 – 161, 165, 166, 167, 171, 178, 209, 216 – 218, 229, 232, 235, 237 of Vadamugam Kangeyampalayam village, Avinashi Taluk, Tiruppur District under Category “ <b>B 1</b> ” and schedule <b>S.No. 7 (c) Industrial Estates / Parks / Complexes / Areas, Export Processing Zones (EPZs), Special Economic Zones (SEZs), Biotech Parks, Leather Complexes</b> by <b>M/s. IG3 Infra Limited</b> - Issue of ToR -Reg
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The Proponent of M/s. IG3 Infra Limited **submitted application for EC**, dated 30.10.2015, in Form-I, Detailed Project Report and draft ToR for the proposed Textile Park in Special Economic Zone at S.F. No. 126, 129, 132, 135 – 144, 149-150, 151 – 161, 165, 166, 167, 171, 178, 209, 216 – 218, 229, 232, 235, 237 of Vadamugam Kangeyampalayam Village, Avinashi Taluk, Tiruppur District.

The Ministry of Commerce & Industry vide Notification No. 785 dated 09.06.2008, notified an area bearing S. Nos 126, 129, 132, 135, 137, 138, 139, 140-144, 149, 150, 151-161, 165, 167, 171, 201, 216-218, 229, 232, 235, 237, Vadamugam Kangeyampalayam Village, Avinashi Taluk, Tiruppur District with an extent of 103.64.57 Ha, as a Special Economic Zone (SEZ), for setting up of Textile sector by M/s. ETL Infrastructure Services Limited, now changed to **IG 3 Infra Limited**.

The Proponent has now sought EC for setting up the Industrial Park for Textile, as Special Economic Zone (SEZ) for manufacture of fabrics, Textile processing, dyeing and manufacture of bed linen and garments etc, for export and domestic markets.

Environmental Clearance was already issued vide Letter No. SEIAA-TN/F.No.679/2012/1(d)/EC/ 025 /2014 dated 23.12.2014 for setting up of a Coal based Captive Power Plant ( 1 x 48 MW) in the extent of 6.1 Ha (15 Acres) in S.F. Nos. 149, 150 of Vadamugam Kangeyampalayam Village, Uthukuli, Avinashi Taluk, Tiruppur District. A case in NGT(SZ) is prevailing in Appeal No.32 of 2015.

Now, the Textile SEZ Park has been proposed in the remaining area of 97.5 Ha (241.0 Acres) in S. Nos 126, 129, 132, 135, 137, 138, 139, 140-144, 151-161, 165, 167, 171, 201, 216-

218, 229, 232, 235, 237 (excluding S.No. 149 & 150). The proposed built-up area is 2,20,000 Sq.M (including the existing textile shed of built-up area 10,000 sq.m for which it is reported that Consent obtained from TNPCB).

The proposal was placed in the 76<sup>th</sup> SEAC meeting held on 30.06.2016. Based on documents furnished, the Committee observed that the project activity is covered in 8(b) of the Schedule and falls under 'B1' category. As per the amendment dated 01.12.2009 to the EIA notification, 2006, the industrial estate of area less **than 500 ha** but containing building and construction projects > 20,000 sq.m **and or development area more than 50 ha will be treated as activity listed at serial no. 8 (a) or 8 (b) in the schedule as the case may be.**

In this proposal, no 'A' or 'B' category industry has been proposed to be housed and also **the development area (97.50 ha) is more than 50 ha and hence, this project is considered as 8 (b) category which requires EIA report and does not require Public Consultation, as per Para 7(i) III Stage (3) (d) 'Public Consultation' of EIA Notification, 2006.**



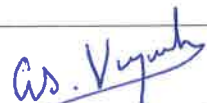


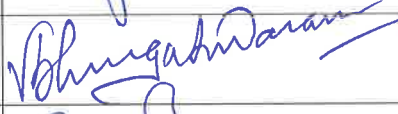

After detailed discussion, the Committee decided to Prescribe Standard ToR as per Annexure-I along with the following Additional ToR:

1. Letter from the competent Authority endorsing the claim that the location of the proposed plant is away from the notified critically Polluted Areas as identified by MOEF &CCGOI, shall be furnished.
2. Affidavit stating that
  - a) The Effluent Treatment Plant will be provided individually by allotted units in the proposed Textile SEZ to achieve ZLD.
  - b) No CETP for process effluent will be proposed/provided in the SEZ. In the event of such a proposal the category and schedule no. of project will be changed and fresh appraisal by SEAC shall be made.
3. The nature and operations (Dyeing/non-dyeing) of the industries in the proposed Textile SEZ with the breakup details of their effluent generation, pre-



treatment, etc.

**4. The ToR for EIA study and report is being issued subject to outcome of NGT (SZ) appeal no. 32 of 2015 .**

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

Member Secretary,  
SEAC-TN

  
Chairman,  
SEAC- TN

## ANNEXURE - I

### **8(b): STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR TOWNSHIP/ AREA DEVELOPMENT PROJECTS AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT.**

- 1) Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
- 2) Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
- 3) Examine baseline environmental quality along with projected incremental load due to the project.
- 4) Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- 5) Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
- 6) Submit the details of the trees to be felled for the project.
- 7) Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- 8) Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- 9) Ground water classification as per the Central Ground Water Authority.
- 10) Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- 11) Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- 12) Examine soil characteristics and depth of ground water table for rainwater harvesting.
- 13) Examine details of solid waste generation treatment and its disposal.
- 14) Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
- 15) DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- 16) Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport

facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.

- 17) A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- 18) Examine the details of transport of materials for construction which should include source and availability.
- 19) Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- 20) Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- 21) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 22) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 23) Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

.....

**Member Secretary,  
SEAC-TN**

  
**Chairman,  
SEAC- TN**

# Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

76-17 A F.5006	Proposed Mixed use development project by "M/s SPR Construction pvt. Ltd." at S.no. 18/1, 2...etc.,Perambur Village, Purasawalkam- Perambur Taluk, Chennai District – Category "B"-8(b) Building and constructions- ToR to be issued- Regarding
	<p>The Proponent of "M/s SPR Construction pvt. Ltd." has submitted application Form1, Form 1A for obtaining Environment Clearance for the proposed Mixed use development project with built up area of 471513 sq.m. at S.no. 18/1, 2...etc.,Perambur Village, Purasawalkam- Perambur Taluk, Chennai District on 03.02.2016.</p> <p>The Committee observed that the above project comes under Item No 8(b) of the Schedule .Based on the presentation made by the proponent and the documents furnished, the Committee decided to prescribe TOR (Annexure ) for the preparation of EIA report, along with certain additional details. The Detailed EIA should include the following information.</p> <ol style="list-style-type: none"> <li>1. Flood management report needs to be furnished.</li> <li>2. Separately categorize for each components shall be detailed with individual impacts &amp; description of each components as individual chapters.</li> <li>3. Stability certificate for the buildings shall be obtained and furnished.</li> <li>4. NOC from Airport Authority of India</li> <li>5. Details on the mitigation measures to be adopted for the impacts on the environment due to the proposed activity.</li> <li>6. Detailed Disaster Management plan and emergency exit plan during Natural Calamities shall be furnished.</li> <li>7. The detailed report on addition on Global warming, CO content in the environment due to the proposed activity shall be furnished.</li> <li>8. Focussed CSR activity with Specific allocation of funds(0.5 % of the total Outlay) should include the following: <ol style="list-style-type: none"> <li>a. Establishment of state of art knowledge centre, provision of basic amenities such as drinking water facility, sanitation and solar lighting etc. in the nearby Government school and improvement shall be part</li> </ol> </li> </ol>

## Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

	<p>CSR activity. Details work plan (Name of the selected nearby school, budget allocation for establishment and maintenance etc) and other details shall be furnished as affidavit.</p> <p>b. Maintenance of lakes/ ponds around the project site.</p> <p>9. Solar power system as an energy conservation method is mandatory shall be used for maximum extent possible; hence details on design calculation and location shall be furnished</p>
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S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	-
3	Dr. K. S. Kavi Kumar	Member	-
4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	-
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. Sugirtharaj Koilpillai	Member	

Member-Secretary, SEAC

  
Chairman, SEAC

### Annexure

- 1) Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
- 2) Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
- 3) Examine baseline environmental quality along with projected incremental load due to the project.
- 4) Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- 5) Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
- 6) Submit the details of the trees to be felled for the project.
- 7) Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- 8) Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- 9) Ground water classification as per the Central Ground Water Authority.
- 10) Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- 11) Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- 12) Examine soil characteristics and depth of ground water table for rainwater harvesting.
- 13) Examine details of solid waste generation treatment and its disposal.
- 14) Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
- 15) DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- 16) Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.

- 17) A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- 18) Examine the details of transport of materials for construction which should include source and availability.
- 19) Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- 20) Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- 21) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 22) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 23) Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".




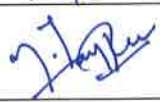
Member Secretary, SEAC


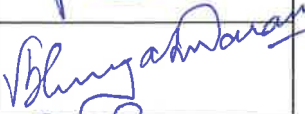

  
Chairman, SEAC

76 <sup>th</sup> STATE EXPERT APPRAISAL COMMITTEE HELD ON 30.06.2016	
76 - 18 F.5282	<p>Proposed 500 TPD Standalone Cement Grinding Plant at S.F. No. 313/2B5, 313/2B6, 315/3A, 316/1B2, 316/1C1, 316/1C2, 316/1F1, 316/1A1, Arugavoor Village, Cheyyar Taluk, Tiruvannamalai District under Category "B 1" and schedule S.No. 3(b) by <b>M/s. Rathna Cement</b> - Issue of ToR -Reg</p>
	<p>The Proponent of M/s. Rathna Cement submitted application for Environmental Clearance on 10.05.2016, in Form-I, Pre-Feasibility report and draft ToR for Proposed Standalone Cement grinding Plant of 500 TPD to be achieved in 3 Phases at S.F. No. 313/2B5, 313/2B6, 315/3A, 316/1B2, 316/1C1, 316/1C2, 316/1F1, 316/1A1, Arugavoor Village, Cheyyar Taluk, Tiruvannamalai District.</p> <p>The proposal is for the manufacture of 500 TPD Cement by grinding of the raw materials like Clinker, Fly ash, Gypsum and GGBFS/Slag to be achieved in 3 phases (Phase I - 100 TPD, Phase II – 200 TPD &amp; Phase III – 200 TPD). The proposal was placed in the 76th SEAC meeting held on 30.06.2016. Based on documents furnished and additional details, the Committee observed that the project falls under category B1 and schedule 3(b) of the EIA Notification 2006. After Presentation and detailed discussion, The Committee decided to Prescribe <b>Standard ToR with Public Consultation</b> as per Annexure-I along with the following Additional ToR:</p> <ol style="list-style-type: none"> <li>1. To furnish correct details along with Agreement to be made with the suppliers/sources of Gypsum and other raw materials.</li> <li>2. Details about the proposed control measures for Dust</li> </ol>



	<p>Suppression / Dust containment for arresting fugitive emissions.</p> <p>3. a) Details about the various air pollution control measures proposed to comply with the Notification of the MoEf&amp;CC, Govt of India.</p> <p>b) Proposal for Intensive Greenbelt to mitigate Air and Noise Pollution.</p> <p>4. Occupational Safety measures proposed for the workers and the labours</p> <p>5. Preventive / Periodical Health programmes proposed for the workers and labours</p> <p>6. Transportation - study report on impact of transporting raw materials from sources, finished products and preventive measures for Pollution Control &amp; Safety.</p>
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S.No.	Name	Designation	Signature
1.	Dr. K. Thanasekaran	Member	
2.	Dr. A. Navaneetha Gopalakrishnan	Member	
3.	Dr. K. S. Kavi Kumar	Member	
4.	Dr. K. Valivittan	Member	
5.	Dr. Indumathi M. Nambi	Member	
6.	Dr. G. S. Vijayalakshmi	Member	
7.	Dr. M. Jayaprakash	Member	

8.	Shri. V. Sivasubramanian	Member	
9.	Shri V. Shanmugasundaram	Member	
10.	Shri B. Sugirtharaj Koilpillai	Member	

Member - Secretary  
SEAC

  
Chairman  
SEAC

## Annexure - I

### 3(b):STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR CEMENT PLANTS PROJECTSAND INFORMATION TO BE INCLUDED IN EIA/ EMP REPORT

#### A. STANDARD TERMS OF REFERENCE (TOR)

- 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 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.
- 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 PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, 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 NAQPM 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 CEMENT PLANTS**

1. Limestone and coal linkage documents along with the status of environmental clearance of limestone and coal mines
2. Quantum of production of coal and limestone from coal & limestone mines and the projects they cater to;
3. For large Cement Units, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
4. Present land use shall be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.

5. If the raw materials used have trace elements, an environment management plan shall also be included.
6. Plan for the implementation of the recommendations made for the cement plants in the CREP guidelines must be prepared.
7. Energy consumption per ton of clinker and cement grinding
8. Provision of waste heat recovery boiler
9. Arrangement for use of hazardous waste

**Member Secretary**  
**SEAC**



**Chairman**  
**SEAC**

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-18 A</b> <b>F.5218</b></p>	<p><b>Proposed expansion of residential complex by M/s. DRA Aadithya Projects Pvt, Ltd., at S.F.No 4/2, 4/3, 4/4, 4/6, 4/7C &amp; 6/4 etc. Eachankaranai &amp; Anjur Village, Chengalpattu Taluk, Kancheepuram District, Tamilnadu – Category “B”-8(a) Building and constructions- Environmental Clearance - Regarding</b></p>
	<p>The Proponent of “M/s. DRA Aadithya Projects Pvt, Ltd.” has applied for Environment Clearance for the proposed expansion of residential complex with built up area of 46248.93 Sq.m. at S.F.No 4/2, 4/3, 4/4, 4/6, 4/7C &amp; 6/4 etc. Eachankaranai &amp; Anjur Village, Chengalpattu Taluk, Kancheepuram District, Tamilnadu on 07.04.2016.</p> <p>The Committee further 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"> <li>1. Certified compliance report obtained from the Regional office, MoEF &amp; CC, Nungambakkam shall be obtained and furnished.</li> <li>2. Flood management report needs to be furnished.</li> <li>3. For the disposal of excess treated water, the MoU signed between the proponent and farmer to be obtained and furnished.</li> <li>4. Focussed CSR activity with Specific allocation of funds(0.5 % of the total Outlay) should include the following: <ol style="list-style-type: none"> <li>a. Establishment of state of art knowledge centre, provision of basic amenities such as drinking water facility, sanitation and solar lighting etc. in the nearby Government school/ Nearby villages and improvement shall be part CSR activity. Details work plan (Name of the selected nearby school, budget allocation for establishment and maintenance etc) and other details shall be furnished as affidavit.</li> </ol> </li> </ol>

# Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016





	<p>b. Maintenance of lakes/ ponds around the project site.</p> <p>5. Solar power system as an energy conservation method is mandatory shall be used for maximum extent possible; hence details on design calculation and location shall be furnished.</p>
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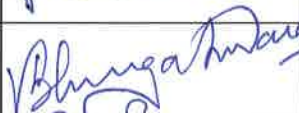

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	
3	Dr. K. S. Kavi Kumar	Member	
4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. SugirtharajKoilpillai	Member	

Member-Secretary, SEAC

Chairman, SEAC

76 <sup>th</sup> STATE EXPERT APPRAISAL COMMITTEE HELD ON 30.06.2016	
76 - 19 F.5098	<p>Proposed Cement Grinding Plant (0.95 MTPA) at S.F. No. 297 (P), 298 (P), 299 (P), 300 (P), 301 (P), 302 (P), Athipattu Village, Ponneri Taluk, Tiruvallur District under Category “B 1” and schedule S.No. 3(b) by M/s. <b>Anjani Portland Cement Limited</b> - Issue of ToR -Reg</p>
	<p>The Proponent of M/s. Anjani Portland Cement Limited, submitted application dated 25.02.2016 for Environmental Clearance, in Form-I, Pre-Feasibility report and draft ToR for Proposed 0.95 MTPA Cement grinding Plant at S.F. No. 297 (P), 298 (P), 299 (P), 300 (P), 301 (P), 302 (P), Athipattu Village, Ponneri Taluk, Tiruvallur District</p> <p>The proposal is for the manufacture of 0.95 MTPA Cement by grinding the raw materials like Clinker, Gypsum and Fly ash. The proposal was placed in the 76th SEAC meeting held on 30.06.2016. Based on documents furnished, the Committee observed that the project falls under category B1 and schedule 3(b) of the EIA Notification 2006. After Presentation and detailed discussion, the Committee decided to Prescribe Standard ToR with Public Consultation as per Annexure-I along with the following Additional ToR:</p> <ol style="list-style-type: none"> <li>1. As per the request made by the Project Proponent, the project proponent is permitted to use data collected in Summer 2016 for EIA Study.</li> </ol>

	<p>2. Details and Agreement made with the suppliers/sources of Gypsum and other raw materials.</p> <p>3. Details about the proposed control measures for Dust Suppression / Dust containment for arresting fugitive emissions.</p> <p>4. Details about the various air pollution control measures proposed to comply with the Notification issued by the MoEF &amp;CC, Govt. of India.</p> <p>5. Proposed Occupational Safety measures proposed for the workers and the labours Preventive / Periodical Health programmes proposed for the workers and labours.</p> <p>6. Risk Assessment study Report.</p>		
S.No.	Name	Designation	Signature
1.	Dr. K. Thanasekaran	Member	
2.	Dr. A. Navaneetha Gopalakrishnan	Member	
3.	Dr. K. S. Kavi Kumar	Member	
4.	Dr. K.Valivittan	Member	
5.	Dr. Indumathi M. Nambi	Member	
6.	Dr. G. S. Vijayalakshmi	Member	
7.	Dr. M. Jayaprakash	Member	

8.	Shri. V. Sivasubramanian	Member	
9.	Shri V. Shanmugasundaram	Member	
10.	Shri B. Sugirtharaj Koilpillai	Member	

Member - Secretary  
SEAC

  
Chairman  
SEAC

#### Annexure - I

### 3(b):STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR CEMENT PLANTS PROJECTSAND INFORMATION TO BE INCLUDED IN EIA/ EMP REPORT

#### A. STANDARD TERMS OF REFERENCE (TOR)

##### 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 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.
- 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 CEMENT PLANTS

1. Limestone and coal linkage documents along with the status of environmental clearance of limestone and coal mines
2. Quantum of production of coal and limestone from coal & limestone mines and the projects they cater to;
3. For large Cement Units, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
4. Present land use shall be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.
5. If the raw materials used have trace elements, an environment management plan shall also be included.
6. Plan for the implementation of the recommendations made for the cement plants in the CREP guidelines must be prepared.
7. Energy consumption per ton of clinker and cement grinding



8. Provision of waste heat recovery boiler
9. Arrangement for use of hazardous waste

**Member Secretary**  
**SEAC**



**Chairman**  
**SEAC**

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-19 A</b> <b>F.5081</b></p>	<p><b>Proposed construction of residential complex by M/s. Virgo Realtors Pvt. Ltd., at S.no.7/2, 3C4B &amp; 10, etc.,Ottiyambakkam &amp; Arasankazhani Villages, Tambaram Taluk, Kancheepuram District, Tamilnadu– Category “B”-8(a) Building and constructions- Environmental Clearance - Regarding</b></p>
	<p>The Proponent of “ M/s. Virgo Realtors Pvt. Ltd.” has applied for Environment Clearance for the proposed construction of residential complex with built up area of <b>85818.88 Sq.m.</b> at S.no.7/2, 3C4B &amp; 10, etc.,Ottiyambakkam &amp; Arasankazhani Villages, Tambaram Taluk, Kancheepuram District, Tamilnadu on 23.02.2016.</p> <p>The Committee further 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"> <li>1. Flood management report needs to be furnished.</li> <li>2. For the disposal of excess treated water, the MoU signed between the proponent and farmer to be obtained and furnished.</li> <li>3. Focussed CSR activity with Specific allocation of funds(0.5 % of the total Outlay) should include the following: <ol style="list-style-type: none"> <li>a. Establishment of state of art knowledge centre, provision of basic amenities such as drinking water facility, sanitation and solar lighting etc. in the nearby Government school/ Nearby villages and improvement shall be part CSR activity. Details work plan (Name of the selected nearby school, budget allocation for establishment and maintenance etc) and other details shall be furnished as affidavit.</li> <li>b. Maintenance of lakes/ ponds around the project site.</li> </ol> </li> <li>4. Solar power system as an energy conservation method is</li> </ol>

# Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

mandatory shall be used for maximum extent possible; hence details on design calculation and location shall be furnished.

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

Member-Secretary, SEAC

  
Chairman, SEAC

76 <sup>th</sup> STATE EXPERT APPRAISAL COMMITTEE HELD ON 30.06.2016	
76 - 20 F.5262	<p>Proposed limestone mines of 49.28.5 ha located at S. No. 146 to 157 of Athanakurichi and 87 to 89 of Manakkudaiyan Village, Sendurai Taluk, Ariyalur District under Category “B1” and schedule S.No. 1 (a) by M/s. <b>Ramco Cements Limited</b> - Issue of ToR –Reg.</p>
	<p>The Proponent of M/s. Ramco Cements Limited submitted application on 27.04.2016, in Form-I, Pre-Feasibility report, mining lease dated 28.09.2012, executive summary and draft ToR for Proposed limestone mines of 49.28.5 ha located at S. No. 146 to 157 of Athanakurichi and 87 to 89 of Manakkudaiyan Village, Sendurai Taluk, Ariyalur District.</p> <p>The proposal is for mining in an extent of 49.28.5 ha with production of 1.40 MTPA of limestone. The proposal was placed in the 76th SEAC meeting held on 30.06.2016. Based on documents furnished and additional details the Committee observed that the project falls under category B1 and schedule 1(a) of the EIA Notification 2006. After Presentation and detailed discussion, the Committee decided to Prescribe Standard ToR with Public Consultation as per Annexure-I along with the following Additional ToR:</p> <ol style="list-style-type: none"> <li>1) The proponent shall carry out hydrological study</li> <li>2) NOC shall be obtain from CGWA for drawl of ground water.</li> <li>3) Furnish the NOC from Department of forest for nearby reserve forest</li> <li>4) The Project Proponent shall allocate a minimum of 5% of the project cost for the CSR Activity initially and 2% on profit as</li> </ol>

	recurring cost. 5) The EIA report shall include complete study on major environment impact due to the proposed mining on water, air quality and surroundings.		
S.No.	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. Navaneetha Gopalakrishnan	Member	
3	Dr. K. S. Kavi Kumar	Member	
4	Dr. K.Valivittan	Member	
5	Dr. Indumathi M. Nambi	Member	
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri. V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. Sugirtharaj Koilpillai	Member	

Member-Secretary  
SEAC

  
Chairman  
SEAC

## Annexure I

### 1(a):STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR NON-COAL MINING PROJECTS AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT

1. Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
2. A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
3. All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
4. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
5. Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
6. Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
7. It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical

system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The 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, may also be detailed in the EIA Report.

8. Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
9. The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
10. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
11. Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
12. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
13. Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and

compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.

14. Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
15. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
16. A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
17. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
18. A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
19. Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State



Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.

20. Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
21. R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
22. One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM<sub>10</sub>, particularly for free silica, should be given.
23. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be

provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.

24. The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
25. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
26. Description of water conservation measures proposed to be adopted in the Project should be given.
27. Details of rainwater harvesting proposed in the Project, if any, should be provided.
28. Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
29. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
30. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
31. Details of any stream, seasonal or otherwise, passing through the lease area and modification /diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
32. Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
33. A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have

to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.

34. Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
35. Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
36. Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
37. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
38. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
39. Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

40. Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
41. Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
42. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
43. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
44. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
45. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
46. Besides the above, the below mentioned general points are also to be followed:
  - a. Executive Summary of the EIA/EMP Report
  - b. All documents to be properly referenced with index and continuous page numbering.
  - c. Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
  - d. Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
  - e. Where the documents provided are in a language other than English, an English translation should be provided.
  - f. The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
  - g. While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-

11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.

- h. Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
- i. As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
- j. The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

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Member-Secretary  
SEAC

  
Chairman  
SEAC

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-20A</b> <b>F.5371</b></p>	<p><b>Proposed construction of residential complex by M/s. Radiance Reality Developers India Ltd., at S.no.7 72/1B &amp; 72/2B1 Senneerkuppam village, Poonamallee Taluk, Thiruvallur District, Tamilnadu– Category “B”-8(a) Building and constructions- Environmental Clearance - Regarding</b></p>
	<p>The Proponent of “M/s. Radiance Reality Developers India Ltd.” has applied for Environment Clearance for the proposed construction of residential complex with built up area of 26809 Sq.m. at S.no.7 72/1B &amp; 72/2B1 Senneerkuppam village, Poonamallee Taluk, Thiruvallur District, Tamilnadu on 16.06.2016.</p> <p>The Committee further 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"> <li>1. Permission letter obtained from CMWSSB for water supply need to be obtained and furnished.</li> <li>2. Flood management report needs to be furnished.</li> <li>3. OSR shall be 10% of the total plot area, hence revised land use break up shall be furnished.</li> <li>4. Agreement made with authorized vendor for disposal of excess treated water along with the copy of the contract made by the vendor with CMWSSB with details of disposal.</li> <li>5. Focussed CSR activity with Specific allocation of funds(0.5 % of the total Outlay) should include the following: <ol style="list-style-type: none"> <li>a. Establishment of state of art knowledge centre, provision of basic amenities such as drinking water facility, sanitation and solar lighting etc. in the nearby Government school/ Nearby villages and improvement shall be part CSR activity. Details work plan (Name of the selected nearby school, budget allocation for establishment and maintenance etc) and other details</li> </ol> </li> </ol>

# Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

shall be furnished as affidavit.

b. Maintenance of lakes/ ponds around the project site.

6. Solar power system as an energy conservation method is mandatory shall be used for maximum extent possible; hence details on design calculation and location shall be furnished.

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

Member-Secretary, SEAC

Chairman, SEAC

76<sup>th</sup> STATE EXPERT APPRAISAL COMMITTEE HELD ON 30.06.2016

<b>76 - 21 F.5280</b>	Proposed Drug Intermediates Manufacturing unit of capacity 2 Tonnes/Month in a notified Industrial area at S F No 61 Part & 62 Part , Plot S90, SIDCO Industrial Estate , Kakkalur Village, Thiruvallur Taluk, Thiruvallur District under category B1 and schedule 5(f) by <b>M/s. Aurazia Chem Laboratories (P) Ltd-</b> Issue of ToR -Reg
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The Proponent of M/s. **Aurazia Chem Laboratories (P) Ltd submitted application for EC** on 12.05.2016, in Form-I, Pre-Feasibility report and draft ToR for the proposed Drug Intermediates Manufacturing unit of capacity 2 Tonnes/Month in a notified Industrial area at S F No 61 Part & 62 Part , Plot S90, SIDCO Industrial Estate , Kakkalur Village, Thiruvallur Taluk, Thiruvallur District.

The proponent has applied for EC for the proposed manufacturing of 16 numbers of Drugs intermediate products (i.e., propose to manufacture not more than 2 products per day). The proposal was placed in the 76<sup>th</sup> SEAC meeting held on 30/06/2016. Based on documents furnished, the Committee observed that the project falls under category B1 and schedule 5(f) of the EIA Notification 2006. As per MoEF&CC, OM dated 07/12/2014 & 04/04/2016, **Public hearing is not required** in respect of small scale industrial undertakings located in a designated industrial areas/ industrial estates. After Presentation and detailed discussion, The Committee decided to Prescribe Standard ToR as per Annexure-I along with the following Additional ToR:

1. To furnish the expected characteristics of the Effluent generation of the treated Effluent and to carry out the study on the quality of the each product effluent.
2. Furnish the detailed design of Effluent Treatment Plant with appropriate technology for treating the different quality effluent and efficiency of the Solar Evaporation Pan.
3. To furnish report on VOC emission from various process and steps proposed for monitoring of the VOC at the site.
4. Alternate disposal to SEP such as distillation may be explored.
5. EIA report to cover in detail all aspects of pollution sources,



characteristics, treatment, disposal in detail.

6. The proposed plant is leased out from the site owner for a period of 5 years since EC validity period is 7 years, a confirmation on the renewal of agreement up to the EC validity period may be obtained and furnished.

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

Member - Secretary  
SEAC

  
Chairman  
SEAC

## Annexure – I

**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 (quantitative) from raw material to products to be provided
- ix. Hazard identification and details of proposed safety systems.
- x. Expansion/modernization proposals:

#### **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 micrometeorological 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 conveyorcum-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, 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 NH<sub>3</sub>\*, chlorine\*, HCl\*, HBr\*, H<sub>2</sub>S\*, 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

**Member Secretary**  
**SEAC**







**Chairman**  
**SEAC**



**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

76-21 A F.5188	<p><b>Proposed Construction of Super Speciality hospital by M/s. M/s. Walfs Infra India Pvt. Ltd. at S.F.No 43/1, 43/2, 44/2, 44/20, Madhavaram Village, Madhavaram Taluk, Thiruvallur District, Tamilnadu – Category “B”-8(a) Building and constructions- Environmental Clearance - Regarding</b></p>
	<p>The Proponent of “M/s. Walfs Infra India Pvt. Ltd.” has applied for Environment Clearance for the proposed Construction of Super Speciality hospital with built up area of 21008 Sq.m. at S.F.No 43/1, 43/2, 44/2, 44/20, Madhavaram Village, Madhavaram Taluk, Thiruvallur District, Tamilnadu on 24.11.2015.</p> <p>The Committee further 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 call for representation after obtaining and considering the following details,</p> <ol style="list-style-type: none"> <li>1. In principal commitment obtained from CMWSSB for water supply needs to be furnished.</li> <li>2. CMDA &amp; Local Body plan approval copy needs to be furnished.</li> <li>3. Complete details on every floor of hospital shall be furnished.</li> <li>4. Detailed report on solid waste management, Green belt area development, Foods for inpatients, canteen etc., shall be furnished.</li> <li>5. The analysis for effluent quality shall include pathogens also.</li> <li>6. All the Standard norms for treated sewage utilization for gardening purposes shall be strictly followed.</li> <li>7. Detailed bio medical waste generation report shall be furnished along with agreement made with bio medical waste facility.</li> </ol>

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	
3	Dr. K. S. Kavi Kumar	Member	
4	Dr.K.Valivittan	Member	

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**



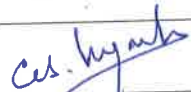
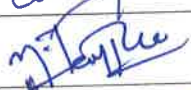

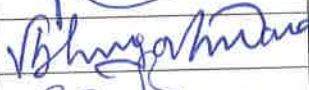

5	Dr.Indumathi M. Nambi	Member	—
6	Dr. G. S. Vijayalakshmi	Member	<i>G. S. Vijayalakshmi</i>
7	Dr. M. Jayaprakash	Member	<i>M. Jayaprakash</i>
8	Shri V. Sivasubramanian	Member	<i>V. Sivasubramanian</i>
9	Shri V. Shanmugasundaram	Member	<i>V. Shanmugasundaram</i>
10	Shri B. SugirtharajKoilpillai	Member	<i>B. SugirtharajKoilpillai</i>

Member-Secretary, SEAC

*[Signature]*  
Chairman, SEAC

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

76-22 F.4540	Proposed Construction of residential appartment "M/s. Casa Grande Private Limited"at S.F.No 31/1 etc, Adyar Village, Mambalam-Guindy Taluk, Chennai District, Tamilnadu – Category "B"-8(a) Building and constructions- Environmental Clearance - Regarding
	<p>The Proponent of "M/s. Casa Grande Private Limited" has applied for Environment Clearance for the proposed Construction of residential apartment with built up area of 21343.68 Sq.m. at S.F.No 31/1 etc, Adyar Village, Mambalam-Guindy Taluk, Chennai District, Tamilnadu on 24.11.2015.</p> <p>The Committee further 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, Subject to the following conditions:</p> <ol style="list-style-type: none"> <li>1. All the conditions prescribed in the inundation report of the PWD vide letter no:T1(3)/Casa/6401/2015/ dated :13.05.2016 , shall be strictly followed.</li> </ol>

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

Member-Secretary, SEAC

  
Chairman, SEAC

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016**

<p><b>76-23</b> <b>F.5083</b></p>	<p><b>Proposed construction of residential building “ Bollineni Zion” by “M/s BSCPL infrastructure Limited” at S.no. 43/2, 444/1, 444/2 of Perumbakkam village &amp; 92 to 98, 100 to 102, 103/1A2, 116/1B, 117/2A2, 117/2B, 118/2B12, 118/2B13, 131/23, 131/4 of Arasankalani village, Sholinganallur Taluk, Kancheepuram District – Category “B”-8(b) Building and constructions- ToR to be issued- Regarding</b></p>
	<p>The Proponent of “M/s BSCPL infrastructure Limited” has submitted application Form1, Form 1A for obtaining Environment Clearance for the proposed <b>construction of residential building “ Bollineni Zion”</b> with built up area of 321137.9 sq.m. at S.no. 43/2, 444/1, 444/2 of Perumbakkam village &amp; 92 to 98, 100 to 102, 103/1A2, 116/1B, 117/2A2, 117/2B, 118/2B12, 118/2B13, 131/23, 131/4 of Arasankalani village, Sholinganallur Taluk, Kancheepuram District on 24.02.2016.</p> <p>The Committee observed that the above project comes under Item No 8(b) of the Schedule .Based on the presentation made by the proponent and the documents furnished, the Committee decided to prescribe TOR (Annexure ) for the preparation of EIA report, along with certain additional details. The Detailed EIA should include the following information.</p> <ol style="list-style-type: none"> <li>1. Certificate stating proposed site not encroached any water body (rivers, canals, Lakes, pods, tanks etc..) from its original boundary shall be obtained from PWD and Revenue departments.</li> <li>2. Flood management report needs to be furnished.</li> <li>3. Sustainability of the ground water drawal (Ground water potential study) shall be conducted by PWD and report needs to be furnished.</li> <li>4. Any lakes nearby shall not be polluted at any point of time ( Specific condition in EC).</li> <li>5. Focussed CSR activity with Specific allocation of funds(0.5 % of the total Outlay) should include the following: <ol style="list-style-type: none"> <li>a. Establishment of state of art knowledge centre, provision of basic amenities such as drinking water</li> </ol> </li> </ol>

## Minutes of the 76<sup>th</sup> SEAC Meeting held on 30<sup>th</sup> June 2016

	<p>facility, sanitation and solar lighting etc. in the nearby Government school/ Nearby villages and improvement shall be part CSR activity. Details work plan (Name of the selected nearby school, budget allocation for establishment and maintenance etc) and other details shall be furnished as affidavit.</p> <p>b. Maintenance of lakes/ ponds around the project site.</p> <p>6. Solar power system as an energy conservation method is mandatory shall be used for maximum extent possible; hence details on design calculation and location shall be furnished</p>
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S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	-
3	Dr. K. S. Kavi Kumar	Member	-
4	Dr.K.Valivittan	Member	
5	Dr.Indumathi M. Nambi	Member	-
6	Dr. G. S. Vijayalakshmi	Member	
7	Dr. M. Jayaprakash	Member	
8	Shri V. Sivasubramanian	Member	
9	Shri V. Shanmugasundaram	Member	
10	Shri B. Sugirtharaj Koilpillai	Member	

Member-Secretary, SEAC

Chairman, SEAC

## Annexure

- 1) Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
- 2) Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
- 3) Examine baseline environmental quality along with projected incremental load due to the project.
- 4) Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- 5) Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
- 6) Submit the details of the trees to be felled for the project.
- 7) Submit the present land use and permission required for any conversion such as forest, agriculture etc.
- 8) Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- 9) Ground water classification as per the Central Ground Water Authority.
- 10) Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- 11) Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- 12) Examine soil characteristics and depth of ground water table for rainwater harvesting.
- 13) Examine details of solid waste generation treatment and its disposal.
- 14) Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
- 15) DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- 16) Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.

- 17) A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- 18) Examine the details of transport of materials for construction which should include source and availability.
- 19) Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- 20) Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- 21) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 22) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 23) Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".


Member Secretary, SEAC

  
Chairman, SEAC



## Minutes of the 76<sup>th</sup> SEAC Meeting held on 02<sup>nd</sup> July 2016

76-01 F.5204	<p>Proposed construction of residential complex by M/s. Vaikund Estates Pvt. Ltd. at S.F.No. 208/1A etc, Navallur Village Thiruporur Taluk, Kancheepuram District, Tamilnadu – Category “B”-8(a) Building and constructions- Environmental Clearance - Regarding</p>
	<p>The Proponent of “M/s. Vaikund Estates Pvt. Ltd.” has applied for Environment Clearance for the proposed construction of residential complex with built up area of 28558 Sq.m. at S.F.No208/1A etc, Navallur Village, Thiruporur Taluk, Kancheepuram District, Tamilnadu on 04.04.2016.</p> <p>The Committee further 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"> <li>1. No excess runoff from the storm water shall be let out from the project site at any point of time (Specific condition in EC)</li> <li>2. Baseline report on ground water of the proposed site shall be rechecked and the data shall be acknowledged by Dr.M.Jayaprakash, Member, SEAC.</li> <li>3. The proponent shall ensure that CMWSSB commits water supply to Navalur Panchayat and in turn the fresh water is supplied to the residents.</li> <li>4. The proponent shall intensify the Green belt around the STP.</li> <li>5. The proponent shall ensure traffic management in and around the project site.</li> </ol>

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	-



# Minutes of the 76<sup>th</sup> SEAC Meeting held on 02<sup>nd</sup> July 2016

3	Dr. K. S. Kavi Kumar	Member	-
4	Dr.K.Valivittan	Member	<i>K. Valivittan</i>
5	Dr.Indumathi M. Nambi	Member	-
6	Dr. G. S. Vijayalakshmi	Member	<i>G.S. Vijayalakshmi</i>
7	Dr. M. Jayaprakash	Member	<i>M. Jayaprakash</i>
8	Shri V. Sivasubramanian	Member	<i>V. Sivasubramanian</i>
9	Shri V. Shanmugasundaram	Member	<i>V. Shanmugasundaram</i>
10	Shri B. SugirtharajKoilpillai	Member	<i>B. SugirtharajKoilpillai</i>

Member-Secretary, SEAC

*[Signature]*  
Chairman, SEAC

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 02<sup>nd</sup> July 2016**

76-02 F.5013	Proposed expansion of residential apartments by M/s. Elegant Estates at S.F.No. 136/2, 4A, etc., Okkiyam Thoraipakkam Village, Sholinganallur Taluk, Kancheepuram District, Tamilnadu – Category “B”-8(a) Building and constructions- Environmental Clearance - Regarding
	<p>The Proponent of “M/s. Elegant Estates” has applied for Environment Clearance for the proposed expansion of residential apartments with built up area of 24180.913 Sq.m. at S.F.No. 136/2, 4A, etc., Okkiyam Thoraipakkam Village, Sholinganallur Taluk, Kancheepuram District, Tamilnadu on 04.02.2016.</p> <p>The Committee further 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"> <li>1. The proponent should ensure that the neighbourhood areas shall not be affected with the odour pollution of STP.</li> <li>2. The Municipal solid waste shall be decomposed/disposed in an environmentally friendly way. Hence furnish alternate proposal for MSW management.</li> <li>3. The proponent shall intensify the Green belt around the STP.</li> </ol>

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	

**Minutes of the 76<sup>th</sup> SEAC Meeting held on 02<sup>nd</sup> July 2016**

2	Dr. A. NavaneethaGopalakrishnan	Member	
3	Dr. K. S. Kavi Kumar	Member	
4	Dr.K.Valivittan	Member	<i>K. Valivittan</i>
5	Dr.Indumathi M. Nambi	Member	
6	Dr. G. S. Vijayalakshmi	Member	<i>G.S. Vijayalakshmi</i>
7	Dr. M. Jayaprakash	Member	<i>M. Jayaprakash</i>
8	Shri V. Sivasubramanian	Member	<i>V. Sivasubramanian</i>
9	Shri V. Shanmugasundaram	Member	<i>V. Shanmugasundaram</i>
10	Shri B. SugirtharajKoilpillai	Member	<i>B. SugirtharajKoilpillai</i>

Member-Secretary, SEAC

*[Signature]*  
Chairman, SEAC

**Agenda Item**

The SEAC appraised the following project proposals 1. Savudu/Gravel/Sara/Earth/Brick Earth -22 Nos.; 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 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 below projects are deferred for want of below details to be furnished by the proponent**

**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 below the approved depth of Mining.



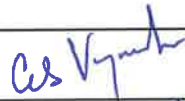




**MINOR MINERALS - Brick Earth, Savudu, Gravel (22 Nos ) - 02.07.2016**

Sl. No.	F.No	Name of the proponent	Extent in ha.	SF.No	District	Recommendation of the Committee
1	2142	Thiru A. Subramaniyan Malaiyapatti Village Thatchankurichi Village Gandarvakottai Taluk Pudukkottai District - 613 005	3.24.0	S.F.No. 278/1, 3, 4, 5, Malaiyapatti Village, Gandarvakottai Taluk	Pudukkottai	Absent
2	2595	Executive Engineer Public Works Department Water Resources Department Krishna water supply project Division VIII, Chempauk Chennai - 600 005	18.92.0	S.F.No. 98/1 Poromboke PWD Tank, Meiyur Village, Poonamallee Taluk	Tiruvallur	Absent
3	3573	Thiru D.Suresh No.121, Ampalakara Street Sillathur Village Orathanadu Taluk Thanjavur District - 614902	5.70.0	S.F.No. 173(P), Salaiyampalayam Village, Villuppuram Taluk	Villuppuram	Absent

4	4075	Thiru. K. Subbu Bangalowmedu Usilampatti Taluk, Madurai	1.86.0	S.F.No. 31/4A, 31/4D, 31/4E, 31/4F, 31/4G, 31/7A, 31/8 & 31/9 Poduvarpatti Village, Usilampatti Taluk	Madurai	Absent
5	4935	Thiru. R. Ravichandran No.B56, Pongiammal Nagar No.1/23, Govanur Nayakkanpalayam Coimbatore-641020	1.56.5	194 Nayakkanpalayam Village Coimbatore North Taluk	Coimbatore	Deferred
6	5004	Thiru. G.A. Auskin Bright 10/179, Pampanvalai Ananthanadarkudy -Post Agestheeswaram Taluk Kanniyakumari	1.06.47	424/4,5,6,8,9 & 606/6 Kadiapattinam Village Kalkulam Taluk	Kanniyakumari	Absent
7	5094	Thiru. A. Kaliappan No.205, West Street Dharmapuri Theni Theni - 625520	1.60.5	133/4A, 133/4B, 133/14 & 133/16B Poomalaikundu Village Theni Taluk	Theni	Deferred
8	5095	Thiru. M. Vinoth Kandanoor Road Karaikudi Sivagangai-630001	4.85.5	8(P) Athangudi Village Karaikudi Taluk	Sivagangai	Absent
9	5106	Thiru. M. Sukumar Konganancheri Balur Chengalpattu Kancheepuram-603104	2.26.5	7/1 & 7/2A Cheetanancherry Village Uthiramerur Taluk	Kancheepuram	Deferred
10	5114	Tmt. Umarani No.2/253, Parthibanur Paramakudi Ramanathapuram-623608	2.68.0	211/2A, 2B, 2C, 2D, 216/1, & 217/1A Sudiur Village Paramakudi Taluk	Ramanathapuram	Absent
11	5133	Thiru. R. Durairaj Kulathiranpattu Alangudi Pudukkottai-622 302	3.28.5	1216/1 Nelali Village Kangeyam Taluk	Tiruppur	Absent
12	5140	Thiru. Sahul Hameed No.3/359, A. Muthupattinam S. Kulavaipatti Alangudi Pudukkottai	5.27.7	365/1 (P), 365/2, 367/2 (P) Metrathi Village Madathukulam Taluk	Tiruppur	Absent

13	5145	Thiru. P. Jeyaprakash No.5/315, Sathiyamoorthy Street Paramakudi Ramanathapuram-623608	4.05.5	212/7B, 214/2, 217/1B, 218/4, 228/4B & 228/5 Sudiyur Village Paramakudi Taluk	Ramanathapuram	Deferred
14	5152	Thiru. K. Varatharajan No.4/9A, Pothaiyadi Agathesiwaram Kanniyakumari-629703	2.64.0	344/1B Parivrisooriyan Village Radhapuram Taluk	Tirunelveli	Absent
15	5166	Thiru. G. Balasubramaniam No.32-C, Uppukkara Street Mannargudi Nagapattinam - 614001	1.20.0	236/1 (P) Thalainayar 2nd Sethi Village Vedaranyam Taluk	Nagapattinam	Absent
16	5169	Thiru. J. Vijayakumar No.2, Karukkalacheri Road Karaikkal - 609602	1.06.0	29/1B2 (P) & 29/1C (P) Gopurajapuram Village Nagapattinam Taluk	Nagapattinam	Deferred
17	5173	Thiru. K. Radhakrishnan No.2/24C, 3rd Cross Mothilal Street Kumbakonam Thanjavur-612001	1.53.0	227 & 233/3 Thalainayar 2nd Sethi Village Vedaranyam Taluk	Nagapattinam	Absent
18	5179	Thiru. A. Kabilan No.6, Ambedkar Nagar Vettuvanam Anaicut Vellore - 635754	0.22.5	365/1B Vettuvanam Village Anaicut Taluk	Vellore	Absent
19	5213	Thiru. P. Elangovan N.16, Wad 5 Vellaiyatheva Street Hanumanthanpatty Uthamapalayam Theni - 625516	1.01.0	1429/1A2, 1454/4 & 1455/2D Kombai (West) Village Uthamapalayam Taluk	Theni	Absent
20	5221	Thiru. K. Siddhan Tholur Kombai Chinnampalli Pennagaram Dharmapuri - 636811	0.48.5	468/2 Chinnampalli Village Pennagaram Taluk	Dharmapuri	Deferred
21	5222	Thiru. K. Sakthivel Kovalli Kombai Kalappambadi Pennagaram Dharmapuri - 636811	0.87.0	506/3 Chinnampalli Village Pennagaram Taluk	Dharmapuri	Deferred



22	5229	Thiru. K. Pichandi No.1/69, Thellurpalayam Ussoor Anaicut Vellore - 632105	3.55.0	282/1A, 282/1D, 283/1A, 439/2, 452/7 & 454/1 Athiyur Village Anaicut Taluk	Vellore	Deferred
Sl. No	Name and position			Signature		
1	Dr. K. Thanasekaran Member					
2	Dr. A. Navaneetha Gopalakrishnan Member					
3	Dr. K.S. Kavikumar Member					
4	Dr. K. Valivittan Member					
5	Dr. Indumathi M. Nambi Member					
6	Dr. G. S. Vijayalakshmi Member					
7	Dr. M. Jayaprakash Member					
8	Shri. V. Sivasubramanian Member					
9	Shri V. Shanmugasundaram Member					
10	Shri Thirumalaivasan Devarajan Member					
11	Shri B. Sugirtharaj Koilpillai Member					
						
MEMBER SECRETARY-SEAC				CHAIRMAN-SEAC		

**Minutes for the Mining proposals (Minor Minerals) for the 76th Meeting of the SEAC held on 02.07.2016**

**Agenda Item**

The SEAC appraised the following project proposals Rough Stone ; 124 Nos 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 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. GPS coordinates for ground water table is to be provided.
15. The mined out pits should be backfilled where warranted and area should be suitably landscaped to prevent environmental degradation. The mine closure plan as furnished in the proposal shall be strictly followed with back filling and tree plantation.
16. Safety distance of 50m has to be provided in case of railway, reservoir, canal/odal
17. 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.
18. Safety equipments to be provided to all the employees.
19. 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.

**\*Environmental Clearance may be considered for the following projects subject to obtaining the following additional particulars**

1. The Proponent shall furnish the Blaster license/certificate obtained from the competent authority.
2. The Proponent shall furnish the Baseline data for the proposed quarry site.
3. Boundary pillars to be erected in accordance with the rules depicting GPS details to be monitored electronically.
4. The measurement of existing pit, depicting the material already excavated and to be removed to be clearly indicated by proper authentication and the same has to be submitted to the District authorities.
5. Heavy earth machinery equipments if utilized, after getting approval from the competent authority.
6. The Proponent shall furnish a letter from the Public Works Department regarding the Ground Water table in the quarry site.
7. The Proponent shall provide the insurance Protection to the workers.

**MINOR MINERALS - Rough Stone (124 Nos) - 02.07.2016**

Sl. No.	F.No	Name of the proponent	Extent in ha.	SF.No	District	Recommendation of the Committee
1	2686	Tmt A. Thenormozhi Manalur Village Sankarapuram Taluk Villuppuram - 605 702	1.50.0	S.F.No. 131/7 (P-II), Manalur Village, Sankarapuram Taluk	Villuppuram	Absent
2	3451	Thiru P.K. Palanisamy No 2/61, Coval Main Road K. Paramathy Post Aravakurichi Taluk, Karur - 639 111	4.84.5	S.F.No. 126/2(P), 127/1(P), 133/1(P), 133/2(P), Thennilal East Village, Aravakurichi Taluk	Karur	Absent
3	3829	Thiru S.Kandasamy Kamaraj Nagar Chinnakodiveri Gopi Taluk Erode - 638 752	5.00.0	S.F.No. 70/9(P) Kavundampalayam Village, Gobichettipalayam Taluk	Erode	Absent
4	3830	Thiru P. Magudeswaran Rathna Nilayam Main Road T.N.Palayam Post Gobichettipalayam Taluk Erode - 638 506	3.94.0	S.F.No. 233/1( North Part ) Vanlputhur Village, Gobi Taluk	Erode	Absent





5	3931	P.A. Raja No.120, Samiyappa Nagar Seelanaickenpatty post, Salem Taluk, Salem-636201	2.09.0	S.F.No. 224/3B Kokkalai Village, Tiruchengode Taluk	Namakkal	Absent
6	4151	Thiru. C. Perumal No.126, EB Road Thiruchirappalli - 628008	1.00.0	S.F.No. 139 Block-3 Esanal Village, Perambalur Taluk	Perambalur	Absent
7	4170	Thiru.S.P. Ramasamy Sedarpalayam Morattupalayam Perundurai Taluk, Erode - 638 752	4.34.0	S.F.No. 122/3, 122/1B & 123/2 Chennimalai Village, Perundurai Taluk	Erode	Recommended on receipt of additional details
8	4174	Thiru. S. Palanivel Suriya Blue Metals No.1/52/59, Attu Main Road Karipatty Valapady Salem 636 106	3.04.0	S.F.No. 58/3 (Part) Minnampalli Village, Valapady Taluk	Salem	Recommended on receipt of additional details
9	4188	Thiru. S. Armstrong Fernando No.70/A-2, III Floor Sundarbans Tower Ist Avenue Ashok Nagar Chennai-83	1.00.0	S.F.No. 280/13A Block - 1 Thuraimangalam Village, Perambalur Taluk	Perambalur	Absent
10	4190	Thiru. M. Rajendran Bagavath Singh Releived Bonded Labour Welfare Society Melakottai Nakkalparai Amarapoondi, Palani Tk. Dindigul	3.30.0	S.F.No. 189/1 (P) Melakottai Village, Palani Taluk	Dindigul	Recommended on receipt of additional details
11	4191	Thiru. S. Ravi Mullikadu Pappierreddipatti Dharmapuri - 636905	5.00.0	S.F.No. 282/1 (Part - 1) Molayanur Village, Pappierreddipatti Taluk	Dharmapuri	Absent
12	4192	Thiru. M.K. Rajendran Indira Nagar Elambalur Perambalur Perambalur-621212	1.00.0	S.F.No. 52/1 Block-13 Sengunam Village, Perambalur Taluk	Perambalur	Recommended on receipt of additional details
13	4204	Tmt. A. Pangajavalli No.364, Nehru Nagar Elambalur Perambalur Perambalur	1.00.0	S.F.No. 27/1A(p) Block-2 Elambalur Village, Perambalur Taluk	Perambalur	Absent
14	4210	Thiru. V. Suresh No.5/125 Middle Street Kulippatti Nilakottai Taluk, Dindigul-624202	0.60.0	S.F.No 261 Sivagnanapuram Village Nilakottai Taluk	Dindigul	Absent
15	4211	Thiru. V. Suresh No.5/125 Middle Street Kulippatti Nilakottai Taluk, Dindigul-624202	2.00.0	S.F.No 263/1 Block - 1 Sivagnanapuram Village Nilakottai Taluk	Dindigul	Absent

16	4212	Thiru. R. Tamilselvan Molayanoor Pappierreddipatti Dharmapuri-636905	5.00.0	S.F.No 282/1 (Part-2) Molayanoor Village Pappierreddipatti Taluk	Dharmapuri	Recommended on receipt of additional details
17	4213	Thiru. K.P.Saravanan No.2/95, Perumal Kovil Street Esanai Perambalur Perambalur-621219	1.00.0	S.F.No 43/1 (Block-1) Keelakara Village Perambalur Taluk	Perambalur	Absent
18	4218	Thiru. M. Venkatachalam No.67, Avinashi Goundampalayam Chengapalli Avinashi Tiruppur - 638812	1.82.0	S.F.No 6/1 (P) Muthampalayam Village Avinashi Taluk	Tiruppur	Recommended on receipt of additional details and provide the toilet facilities to the nearby govt school
19	4222	Thiru N. Ayyadurai Majara Sellangattuthottam Sarka Periyapalayam Uthukuli Taluk Tiruppur	3.52.0	S.F.No 392/(Part) Morattupalayam Village Uthukuli Taluk	Tiruppur	Recommended on receipt of additional details
20	4223	Thiru. N. Abdul Gani No.2, Kulathoor Ayyanar Koil Street Tenkasi Taluk Tirunelveli - 627 811	3.73.5	S.F.No 201, 202/1, 187/1, 203/1 &204/2 Therku Madathoor Village Tenkasi Taluk	Tirunelveli	Recommended on receipt of additional details
21	4227	Thiru. K. Ramasamy A. Naal Road Oddanchatram Dindigul - 624616	2.00.0	S.F.No 1318 (P) Koothampoondi Village Oddanchatram Taluk	Dindigul	Recommended on receipt of additional details
22	4228	Thiru. M. Subramani No.276/3, Valyapuri Street 1st Street, 40th Feet M.G. Road Karur - 639002	2.71.0	S.F.No 302/1 Chinnakampatti Village Oddanchatram Taluk	Dindigul	Absent
23	4229	Thiru. A. Chellamuthu Veerappa Goundan Valasu Oddanchatram Dindigul - 624616	1.52.0	S.F.No 1059 Koothampoondi Village Oddanchatram Taluk	Dindigul	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
24	4231	S.Suresh, Kallimandayam Oddanchatram Dindigul	1.00.0	S F 874 P Kallimandayam Oddanchatram Dindigul	Dindigul	Recommended on receipt of additional details
25	4232	Thiru. U. Kulandai Vadivel No.18, 1st Cross Vidya Nagar Salem - 636003	1.00.0	S.F.No 113 (P) Udalyapatti Village Salem Taluk	Salem	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
26	4234	Thiru. P. Sivakumar No.70/16, 1st Avenue Ashok Nagar Chennai-600107	0.81.0	S.F.No 25/1 (Part - 3) Panamarathupatty Village Salem Taluk	Salem	Recommended on receipt of additional details
27	4255	Thiru. V. Jagadeesan Neikuppai Road Veppanthattai Veppanthattai Perambalur	1.00.0	S.F.No 200 Block-10 Vengalam Village Veppanthattai Taluk	Perambalur	Recommended on receipt of additional details
28	4256	Thiru. Duraikrishna Sathanavadi Mettupalayam Veppanthattai Perambalur	1.00.0	S.F.No 200 Block-9 Vengalam Village Veppanthattai Taluk	Perambalur	Recommended on receipt of additional details

29	4284	Tmt. S. Shanthi Erumapalayam Main Road Seelanaickenpatty post, Salem - 636201	1.00.0	S.F.No 383/2B (P) Erumapalayam Village Salem Taluk	Salem	Recommended on receipt of additional details
30	4303	Tmt. B. Vasanthi D.No. 245, Meiyannur Main Road Salem Salem 636004	1.09.0	S.F.No 146/6, 7 Deevattipatty Village Omalar Taluk	Salem	Recommended on receipt of additional details
31	4304	Thiru. V. Krishnan Mettupatty Omalar Salem-636445	1.12.0	S.F.No 7/3 Kullamaickenpatty Village Omalar Taluk	Salem	Recommended on receipt of additional details and NOC obtained from the villagers and also computer systems of 5 Nos to be provided to the nearby Govt School
32	4306	Thiru. R. Ashok kumar No.2/49, Sakthi Nagar Behind MDS Nagar Hasthampatti Salem Salem - 636007	2.00.0	S.F.No 402/1 (Part) Erumapalayam Village Salem Taluk	Salem	Recommended on receipt of additional details
33	4308	Thiru. K.S. Senthilkumar No.303/4, Balaji Street Subramani Nagar Salem-636005	1.16.0	S.F.No 81/1 (P), 81/2 (P) & 85/1 (P) Nadupatty Village Omalar Taluk	Salem	Recommended on receipt of additional details
34	4310	Thiru. S. Karthikeyan No.2/69, Santhiyur Parapatti Mallur Salem Salem636203	1.00.0	S.F.No 1/7 (Part-3) Panamarathupatty Village Salem Taluk	Salem	Recommended on receipt of additional details and NOC from the villagers
35	4311	Thiru. P. Thirugnanam No.2/48, Mettukadu Santhiyur Attayampatty Mallur Salem	1.14.0	S.F.No 3 (P) Santhiyur Village Salem Taluk	Salem	Recommended on receipt of additional details
36	4312	Thiru. S. Nandagopal S.A. Peramanur Salem Salem - 636203	1.00.0	S.F.No 102/6 (Part-5) Gajjelaickenpatty Village Salem Taluk	Salem	Recommended on receipt of additional details
37	4313	Thiru. K. Umasankar Parappatty Mallur Salem-636203	1.00.0	S.F.No 8/1(P) Pasuvanathampatti Village Salem Taluk	Salem	Recommended on receipt of additional details and NOC from the villagers
38	4329	Tmt. R. Shanthi, President Tvl. Sri Amman Stone Quarry Women Welfare Association Sounthararajapuram Street Kullapuram Periyakulam Theni - 625 562	2.06.0	S.F.No 271/2 Kullapuram Village Periyakulam Taluk	Theni	Absent
39	4340	Thiru. T. Kasiviswanathan Kasi Nagar Masinaickenpatty Valapadi Salem 636103	2.00.0	S.F.No 219 (Part) Masinaickenpatty Village Valapadi Taluk	Salem	Recommended on receipt of additional details
40	4341	Thiru. M. Ravichandran No.5-2/60, Reddiyapatti R. Kombai Vedasandur Dindigul	.68.5	S.F.No 356 Padiyur Village Vedasandur Taluk	Dindigul	Absent

41	4342	Tmt. G. Chitra 12-B/5, Gas Godown Street Anna Nagar Kallakurichi Villupuram 606202	2.50.0	S.F.No 219/1A (Part) Kadambur Village Gangavalli Taluk	Salem	Recommended on receipt of additional details
42	4343	Tvl. Sri. Parasakthi Crusher Pvt. Ltd. Varagampadi Masinalckenpatti Valapadi Salem 636103	2.93.0	S.F.No 243/1 (P) Masinalckenpatty Village Valapadi Taluk	Salem	Recommended on receipt of additional details
43	4381	Thiru. P. Eswaran No.6/101, Thiruneelakanda Nagar Thirumuruganpoondi Avinashi Tiruppur - 641666	1.68.5	S.F.No 207/6, 207/7 & 209/3 Pongupalayam Village Tiruppur Taluk	Tiruppur	Recommended on receipt of additional details and NOC from the villagers
44	4382	Thiru. M. Deepan (A) Deepankumar No.1/65, Kalampalayam Pongupalayam Tiruppur Tiruppur - 641666	0.45.0	S.F.No 203/38 (P) Pongupalayam Village Tiruppur Taluk	Tiruppur	Recommended on receipt of additional details
45	4383	Thiru. S. Dhanapal No.438/1, Mahaliamman Koil Street Ambal Yeri 5th Cross Salem Salem	1.00.0	S.F.No 443 (Part6-1) Erumapalayam Village Salem Taluk	Salem	Recommended on receipt of additional details
46	4386	Thiru. K. Ganesh No.2/155, Thennamarathupalayam Marapparai Tiruchengode Taluk Namakkal - 637410	2.12.0	S.F.No 179/1 Perlamanali Village Tiruchengode Taluk	Namakkal	Recommended on receipt of additional details
47	4387	Thiru. S. Rangasamy Karungalpatty Tiruchengode Namakkal - 637410	1.48.5	S.F.No 176/5 & 316/2B2 Marapparai & Paruthipalli Village Tiruchengode Taluk	Namakkal	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
48	4441	Thiru.K.Senthilkumar No.90 kamarajar Salai Anakaputhur Chennai-600070	0.80.0	S.F.No 1/4(part-12) Anandalal Village walajah Taluk	Vellore	Recommended on receipt of additional details
49	4500	Thiru.K.Kathiresan 48/B Erikodi Annasagaram Dharmapuri-636704	1.29.5	S.F.No 238 Boomandahalli Village Palacode Taluk	Dharmapuri	Recommended on receipt of additional details and NOC from DFO/acknowledgement copy from NBWL
50	4504	Thiru. S. Jagadeesan NO.5/-143, Koilpalayam Vavilpalayam Tiruppur Tiruppur - 641666	2.08.5	S.F.No 89/1 and 89/2B1 Agraharaperiyapalayam Village Avinashi Taluk	Tiruppur	Recommended on receipt of additional details
51	4510	Thiru. R. Ravi Agraharaperiyapalayam Uthukuli Avinashi Tiruppur Tiruppur - 641 607	1.25.0	S.F.No 125/1 Agraharaperiyapalayam Village Avinashi Taluk	Tiruppur	Recommended on receipt of additional details and NOC obtained from the villagers

52	4511	Thiru. M. Balachandran 1-3A, Parappalayam Sarkar Periyapalayam Avinashi Tiruppur Tiruppur - 641 607	0.64.5	S.F.No 89/2A Agraharaperiyapalayam Village Avinashi Taluk	Tiruppur	Recommended on receipt of additional details
53	4532	Thiru.R.Manikandan Veerlyapatti Kaniyalampatti kadavur Karur	0.93.5	S.F.No 627/1 Manjanalckenpatti Village Kadavur Taluk	Karur	Recommended on receipt of additional details
54	4538	Thiru. P. Rathnam No.1/42 A, Thottiyanoor Kattuvalavu Mookkanur Omalur Salem	0.82.5	S.F.No 106/4 Mookkanur Village Omalur Taluk	Salem	Recommended on receipt of additional details
55	4550	Thiru.S.Thangarasu Thengalpalayam Rasipuram Namakkal Namakkal 637408	1.00.0	S.F.No 6(P) Analkattipalayam Village Rasipuram Taluk	Namakkal	Recommended on receipt of additional details
56	4591	Thiru.R.Velammai No.6,Kamatchiamman koll Street Tirunelveli Town Tirunelveli Tirunelveli-627006	2.43.0	S.F.No 471/1A Vagaikulam Village Tirunelveli Taluk	Tirunelveli	Recommended on receipt of additional details
57	4600	Thiru.M.Madhavakannan No.100,Thandan Street Shevapet,Salem	2.00.0	S.F.No 383/2B (P) Erumapalayam Village Salem Taluk	Salem	Recommended on receipt of additional details
58	4649	Thiru.O.M.Ramesh Kottamettupatty Omalur Salem	2.70.0	S.F.No 615(P),616,677(P) Kadayampatty Village Omalur Taluk	salem	Recommended on receipt of additional details
59	4653	Thiru.M.Muthupalani TVSM Cycle Mart Kovilpatti post Manapparal Tiruchirappalli	1.33.0	S.F.No 163/3 Marungapuri Village Manapparal Taluk	Tiruchirappalli	Recommended on receipt of additional details
60	4657	Thiru.K.Venkatachalam Mettupalayam Vaiyappamalai Chinnamanali village,Tiruchengode Namakkal	4.44.5	S.F.No 77/2A & 77/2 Chinnamanali Village Tiruchengode Taluk	Namakkal	Recommended on receipt of additional details and NOC from the villagers
61	4664	Thiru.K.Javith Sayad No.13 kamaraJar Nagar IInd Street Jamin Pallavaram Chennai	2.02.0	S.F.No 74/2,3,4,5 and 66/21 Palayaseevaram Village Kanchipuram Taluk	Kanchipuram	Recommended on receipt of additional details
62	4681	Thiru.G.Velmurugan L.199/3 Koottappalli Colony Tiruchengode Taluk Namakkal	1.49.0	S.F.No 198/2B & 198/3 Marapparal Village Tiruchengode Taluk	Namakkal	Recommended on receipt of additional details

63	4686	Thiru.D.Manoharan 28 Kuttakarai Thuraiyur Taluk Thuraiyur Taluk Tiruchirappalli	1.00.0	S.F.No 149(P) Bit-1 Karattampatti Village Musiri Taluk	Tiruchirappalli	Recommended on receipt of additional details
64	4687	Thiru.R.Santhi 5/18 Chettiar Street Pulivalam Post Musiri Tiruchirappalli	1.00.0	S.F.No 433/1(P) Pagalavadi Village Thuraiyur Taluk	Tiruchirappalli	Recommended on receipt of additional details
65	4723	Thiru.ID Alavudeen basha Maveipatty Dharamapuri Dharamapuri	0.77.5	S.F.No 61/2B Maveripatty Village Harur Taluk	Dharamapuri	Recommended on receipt of additional details
66	4739	Tmt. A. Indira No. 39, Main Road, Ramapurampudur Namakkal - 637104	1.76.0	S.F.No 353/2, 354 Periyapatti Village Namakkal Taluk	Namakkal	Recommended on receipt of additional details and NOC from the villagers
67	4742	Tmt. R. Mohana Sakthivinayakar Blue Metal No.178-83A, Hospital Colony Mettur Dam Mettur Salem-636401	2.22.0	S.F.No 942/1 Sampalli Village Mettur Taluk	Salem	Recommended on receipt of additional details
68	4786	Thiru. A. Pitchaimuthu Poolampatti Elangakurichi Manapparai (Via) Trichy-621307	1.25.0	S.F.No 629 (West) (P) Aniyappur Village Manapparai Taluk	Tiruchirappalli	Recommended on receipt of additional details
69	4787	Tmt. Deivamani No.59A, Chola Real Estate Thirukkogaram Pudukkottai-622002	1.12.0	S.F.No 157/3A, 157/3B, 157/4, 157/5, 157/6, 157/7, 157/8A, 157/15A & 157/15B Chithannavasal Village Illuppur Taluk	Pudukkottai	Recommended on receipt of additional details
70	4788	Thiru. K. Subbiah No.59A, Chola Real Estate Thirukkogaram Pudukkottai-622003	0.50.5	S.F.No 167/6 Chithannavasal Village Illuppur Taluk	Pudukkottai	Absent
71	4789	Thiru. K. Subbiah No.59A, Chola Real Estate Thirukkogaram Pudukkottai-622003	0.49.5	S.F.No 151/7, 152/10(P), 152/16, 152/17, 152/18A, 152/18B, 152/20, 152/21 & 167/7 Chithannavasal Village Illuppur Taluk	Pudukkottai	Absent
72	4794	Thiru. M. Ramachandran No.4/68, Sanniyasikundu Salem - 636015	0.40.0	S.F.No 383/2B (Part-12) Erumapalayam Village Salem Taluk	Salem	Recommended on receipt of additional details
73	4838	Thiru. S. Rangasamy Kattipalayam Karungalpatti Tiruchengode Taluk Namakkal-637410	1.98.0	S.F.No 316/2B1 Paruthipalli Village Tiruchengode Taluk	Namakkal	Recommended on receipt of additional details and toilet and solar facilities to be provided to the nearby govt school
74	4905	Thiru. N. Gopalakrishnan Pothuvarpatti K. Periapatti Manapparai (Via) Tiruchirappalli-621036	1.00.0	112/2 (P) Mondipatti Village Manapparai Taluk	Tiruchirappalli	Recommended on receipt of additional details and receipt of photocopies of tree plantation





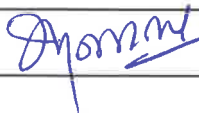
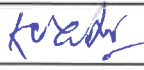
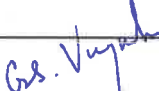


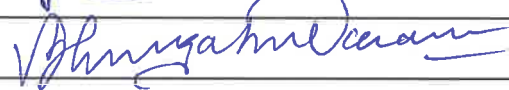
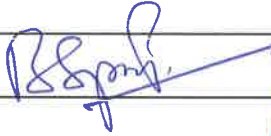

75	4963	Thiru. S. Palanisamy No.22/1, Kongu Nagar Kottapulipalayam Road Dharapuram Tiruppur - 638657	3.80.0	573 (Northern Part) Kongur Village Dharapuram Taluk	Tiruppur	Absent
76	4977	Thiru R.Palanisamy Thiru R.Palanisamy Irumparai Post, Coimbatore District	1.53.5	58/1B, 58/1C, 58/1D & 58/2C Irumparai Village Mettupalayam Taluk	Coimbatore	Recommended on receipt of additional details
77	5015	Thiru. K. Govindasamy Mottur Angampatti Pochampalli Krishnagiri - 635206	0.92.5	124/2E2, 126/1B & 126/2 Sivampatti Village Pochampalli Taluk	Krishnagiri	Absent
78	5043	Thiru. S. Periyasamy No.1/211-2, Agaram Colony Kosavam Palayam Kumaramangalam Tiruchengode Namakkal-637205	1.00.0	158 (P) Kumaramangalam Village Tiruchengode Taluk	Namakkal	Recommended on receipt of additional details
79	5057	Thiru. B. Senthil Murugan N.R.T. Nagar Theni	2.50.0	626 Part-III Jeyamangalam Pit-I Village Periyakulam Taluk	Theni	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
80	5061	Thiru. L. Ramesh Babu No.5, Shankar Nagar Thenpathi Seerzhalli Nagapattinam - 609111	4.22.5	16/2, 17 & 333/3 Eddaikkal & Thirupair Village Ulundurpet Taluk	Villupuram	Recommended on receipt of additional details
81	5062	Thiru. T. Vijay Victoria Extension Road Thoothukudi - 628001	1.93.5	802 Padmanabamangalam Village Srivaikundam Taluk	Thoothukkudi	Recommended on receipt of additional details
82	5063	Thiru. S. Sudharsan No.161/C/1, Cruzpuram Thoothukudi Thoothukudi - 628001	1.67.0	801 Padmanabamangalam Village Srivaikundam Taluk	Thoothukkudi	Recommended on receipt of additional details
83	5084	Thiru. P. Gunasekaran Metharamadevi Muthukapatti Namakkal-637405	1.27.5	177/4 Puthukombai Village Namakkal Taluk	Namakkal	Recommended on receipt of additional details
84	5096	Thiru. S. Sakthivel, Ramakrishna Colony, Pannavadi Road, Kolathur, Mettur, Salem-636303	2.00.0	855/1 (P), Sampalli Village, Mettur Taluk	Salem	Recommended on receipt of additional details
85	5097	Thiru. M. Saravanakumar, No.1/255, Kombai Road, Achankadu, Mettur, Salem - 636452	0.71.0	855/1 (P), Sampalli Village, Mettur Taluk	Salem	Recommended on receipt of additional details
86	5103	Thiru. V. M. Chandrasekaran Vavithottam Kavuthampalayam Kunnathur Tiruppur	2.77.0	224/1 Kavuthampalayam Village Avinashi Taluk	Tiruppur	Recommended on receipt of additional details
87	5124	Thiru. M. Saravanan No.6/86, Postman Thottan Bothapatty Namakkal Namakkal - 637003	2.00.0	21/1 (P) Kejakombai Village Namakkal Taluk	Namakkal	Recommended on receipt of additional details
88	5128	Thiru. M. Deivam No.2-B-83, Chinnakalayamputhur Palani Dindigul	1.83.0	221/3 Chinnakalayamputhur Village Palani Taluk	Dindigul	Recommended on receipt of additional details

89	5134	Thiru K. Mujeebur Rahman Salem Main Road Elavanasurkottai & Post Ulundhurpet Taluk Villuppuram - 607 202	1.40.5	327/3, 4, 5, 7, 8 Thirupair Village Ulundurpet Taluk	Villuppuram	Recommended on receipt of additional details
90	5135	Thiru B. Mohamed Farook Salem Main Road Thiyaga Durgam Kallakurichi Taluk Villuppuram - 606 206	0.43.0	55/5 Poraiyur Village Kallakurichi Taluk	Villuppuram	Recommended on receipt of additional details
91	5139	Thiru. M. Subramani No.276/3, Valyapuri Nagar 1st Street 40 Feet M. G. Road Karur - 639002	1.49.5	231/1 & 231/2 Kuthillupai Village Oddanchatram Taluk	Dindigul	Recommended on receipt of additional details
92	5151	Thiru. N. Subramani Arapakkam Kancheepuram Kancheepuram-631608	3.02.5	123/18A, 18B, 18C, 19 20, 21, 22, 23, 24, 25 & 129 Menallur Village Vembakkam Taluk	Tiruvannamalai	Recommended on receipt of additional details
93	5163	Thiru. K. Palanisamy No.5/267, Old No. 141 Mathali Kattu Thottam Kadayampatty Pudu Kadayampatty, Bhavani Tk. Erode-638302	4.07.5	1/1, 1/2, 1/3 & 4/1 Pallakapalayam Village Tiruchengode Taluk	Namakkal	Recommended on receipt of additional details
94	5164	Thiru. P. Thangapandiyan Valasupatti Kovilpatti Manapparai Tiruchirappalli-621305	0.32.5	243(P) Pirampatti Village Manapparai Taluk	Tiruchirappalli	Recommended on receipt of additional details
95	5167	Thiru. G.P. Varudharajan G.P. Rice Mill Senthamangalam Main Road Senthamangalam Namakkal-637409	2.05.0	6 (P) Pachudaiyampatty Village Senthamangalam Taluk	Namakkal	Recommended on receipt of additional details and NOC from the villagers
96	5170	Thiru. P. Anandan No.42, Oduvankuruchi Kattukottai Seerapalli Rasipuram Namakkal-637406	0.80.0	248/1A (P) & 248/1B (P) Pottanam Village Senthamangalam Taluk	Namakkal	Recommended on receipt of additional details
97	5171	Tmt. V. Rajamani G.P. Rice Mill Senthamangalam Main Road Senthamangalam Namakkal	2.22.0	176 (P) (Bit-3) Pottanam Village Senthamangalam Taluk	Namakkal	Recommended on receipt of additional details and toilet facilities to be provided to the nearby govt school
98	5178	Tmt. G. Rajamani No.1299/182, Kariya Kallamman Kovil Near Parancher Kangeyam Tiruppur - 638002	3.43.0	555/1A & 555/1B Naal Road Village Kangeyam Taluk	Tiruppur	Recommended on receipt of additional details
99	5180	Thiru. M. Sakthivel Pullagoundampatty Sankari Salem - 637104	0.70.0	203 (Part) Pullagoundampatty Agraharam Village Sankari Taluk	Salem	Recommended on receipt of additional details
100	5194	Thiru. I. Rangasamy Ganapathy Nagar Kolathur Mettur Salem - 636303	0.61.5	48/3A & 49/4E Kaveripuram Village Mettur Taluk	Salem	Recommended on receipt of additional details



101	5197	Thiru. N. Mani Pannapatti Puliyampatti Vadugambadi Vedasandur Dindigul - 624706	1.81.5	461 & 462 Vadugambadi Village Vedasandur Taluk	Dindigul	Recommended on receipt of additional details
102	5208	Thiru. K. Murugan Idayakottai Oddanchatram Dindigul - 624704	2.00.0	453/2 (P) Kuthillupai Village Oddanchatram Taluk	Dindigul	Recommended on receipt of additional details
103	5223	Tmt. G. Geetha No.1/52-A, Velayuthampalayam Alagumalai Tiruppur - 641665	0.33.0	123/1A (P) Alagumalai Village Tiruppur (South ) Taluk	Tiruppur	Absent
104	5227	Thiru. C. Sivakumar No.5/2, Ellalyampalayam Kokkalai Tiruchengode Taluk Namakkal - 637410	4.58.0	233/1, 233/2 & 233/3 Kokkalai Village Tiruchengode Taluk	Namakkal	Recommended on receipt of additional details and NOC from the villagers
105	5230	Thiru. V. Jagatheesan Kurumbapatti Aravakurichi Karur - 639205	1.00.0	206/6 (P) Ellapatti Village Oddanchatram Taluk	Dindigul	Recommended on receipt of additional details
106	5235	Thiru. G. Murali No.65, Near Nehru College Thirumalaiyampalayam Madukkarai Taluk Coimbatore District	11.16.0	30/1 & 30/2A Palathurai Village Madukkarai Taluk	Coimbatore	Recommended on receipt of additional details
107	5240	Thiru. C. Ramkumar Sevikadu Vellalapatty Karuppur Omalur Salem - 636017	1.00.0	38/1 (P) Vellalapatty Village Omalur Taluk	Salem	Recommended on receipt of additional details
108	5241	Thiru. M. Raji Gounder Gopinathapuram Sakkarachettipatti Omalur Salem	1.82.0	45/5 (Part) Mookanur Village Omalur Taluk	Salem	Recommended on receipt of additional details
109	5242	Thiru. M. Selladurai No.4/126-C, West Kadu Kandasamy Pudur Arasanatham Attur Salem - 636107	3.00.0	181/1 (Part) (Part-2) Arasanatham Village Attur Taluk	Salem	Recommended on receipt of additional details
110	4226	Thiru. M. Paramasivam No.13-A, Gandhi Road Lakshmipuram Salem - 636007	5.00.0	S.F.No 102/6 (Part) Gajjalnaickenpatty Village Salem Taluk	Salem	Recommended on receipt of additional details
111	5040	Tvl. SRC Project (P) Ltd 4-B, Lakshmi Puram Gandhi Road Salem-7	4.75.5	40/1(P), 40/3, 40/4, 40/5, 40/6, 42, 43/1A, 43/1B, 43/2, 43/3, 43/4A, 43/4B Palli Village Cheyyar Taluk	Tiruvannamalai	Recommended on receipt of additional details
112	5041	Thiru. R. Venkatachalam No.30, New State Bank Colony West Tambaram Chennai	2.91.0	66/3A & 3B Palli Village Cheyyar Taluk	Tiruvannamalai	Recommended on receipt of additional details
113	5118	Thiru. V.S. Mani No.2/C, Karuppannan Street Santhaipettai Puthur Namakkal Namakkal-637001	1.15.0	80/6 & 81/4A Pottanam Village Senthamangalam Taluk	Namakkal	Recommended on receipt of additional details

114	5142	Tmt. B. Vijaya M-19, Azhagu Nagar Trichy Road Namakkal Namakkal-637001	1.49.5	56 & 57 Vitamanaickenpatty Village Namakkal Taluk	Namakkal	Recommended on receipt of additional details
115	5143	Thiru. G. Saravanan Chidambarampatti Senthamangalam Namakkal-637405	0.87.0	39 (Part) (Southern Side) Kondamanaickenpatti Village Senthamangalam Taluk	Namakkal	Recommended on receipt of additional details
116	5144	Thiru. V. Karthik Kumar No.2, Ranganayagi Nagar Silluvathur Road Dindigul-624004	1.08.0	148/1 & 424 Koovanuthu Village Dindigul East Taluk	Dindigul	Recommended on receipt of additional details
117	5146	Thiru. V. Palanisamy No.6/42, Vettambadi Vettambadi Namakkal Namakkal-637405	0.84.0	39 (Part) (Northern Side) Kondamanaickenpatti Village Senthamangalam Taluk	Namakkal	Recommended on receipt of additional details
118	5163	Thiru. K. Palanisamy No.5/267, Old No. 141 Mathali Kattu Thottam Kadayampatty Pudu Kadayampatty, Bhavani Tk. Erode-638302	4.07.5	1/1, 1/2, 1/3 & 4/1 Pallakapalayam Village Tiruchengode Taluk	Namakkal	Recommended on receipt of additional details
119	5165	Tmt. A. Malliga No.1/88, Pandiyaru Kattukottai Nadukombai Senthamangalam Namakkal	1.00.0	176 (P) (Bit-8) Pottanam Village Senthamangalam Taluk	Namakkal	Recommended on receipt of additional details
120	5172	Thiru. A. Sakthivel No.17, Dr. Sankaran Road Gandhi Nagar Extension Namakkal-637001	2.45.0	219 (P) (Bit-2) (Western side) Kutlamparai Village Paramathivelur Taluk	Namakkal	Recommended on receipt of additional details
121	5174	Thiru. V.P.R. Sekar No.23-D, Thiru Nagar Mohanur Road Namakkal Namakkal-637001	1.00.0	176 (P) (Bit-7) Pottanam Village Senthamangalam Taluk	Namakkal	Recommended on receipt of additional details
122	5251	Thiru. P. Srinivasan No.2/146 A, Konikottai Avadhanapatti Agraharam Krishnagiri Krishnagiri - 635109	1.30.0	80/1 (Part) Alappatti Village Krishnagiri Taluk	Krishnagiri	Recommended on receipt of additional details
123	4994	Thiru. B. Karthik No.112, Perumal Koil Street Old Vaniyambadi Vaniyambadi Vellore	1.00.0	419 (Part 1) (Government Land) Vinnamangalam Village Ambur Taluk	Vellore	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
124	5217	Thiru. R. Rajendiran No.35/88, Rajaji Street Chengalpattu-603001	1.55.5	39/2, 39/4 & 40/1 Porpandal Village Uthiramerur Taluk	Kanchipuram	Recommended on receipt of additional details

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

**Minutes for the Mining proposals (Minor Minerals) for the 76th Meeting of the SEAC held on 02.07.2016**

**Agenda Item**

The SEAC appraised the following project proposals Granite ; 27 Nos 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 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. GPS coordinates for ground water table is to be provided.
15. The mined out pits should be backfilled where warranted and area should be suitably landscaped to prevent environmental degradation. The mine closure plan as furnished in the proposal shall be strictly followed with back filling and tree plantation.
16. Safety distance of 50m has to be provided in case of railway, reservoir, canal/odal
17. 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.
18. Safety equipments to be provided to all the employees.
19. 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.
20. Name board shall be displayed in case of existing quarries with details of Proponent, lease period, extent, etc.

**\*Environmental Clearance may be considered for the following projects subject to obtaining the following additional particulars**

1. The Proponent shall furnish the Blaster license/certificate obtained from the competent authority.
2. The Proponent shall furnish the Baseline data for the proposed quarry site.
3. Boundary pillars to be erected in accordance with the rules depicting GPS details to be monitored electronically.
4. ~~The measurement of existing pit, depicting the material already excavated and to be removed to be clearly indicated by proper authentication and the same has to be submitted to the District authorities.~~
5. Heavy earth machinery equipments if utilized, after getting approval from the competent authority.
6. The Proponent shall furnish a letter from the Public Works Department regarding the Ground Water table in the quarry site.
7. The Proponent shall provide the Insurance Protection to the workers.

**MINOR MINERALS -Granite ( 27 ) 02.07.2016**

Sl. No.	F.No	Name of the proponent	Extent In ha.	SF.No	District	Recommendation of the Committee
1	3818	Thiru E.C.Senniappan M/s. Annamar Granites, 413/296, Sathy Road, Erode District - 638 003	1.01.0	S.F.No. 214/1A & 214/2B Iggalore Village, Sathyamangalam Taluk	Erode	Absent
2	4429	M/S.Karthik Granites No.24 Vith Main Road Kasthuribai Nagar Adyar Chennai-600020	2.27.5	S.F.No 293/1,294/1A1,294/1A3,294 /3A2,294/1B1,294/1C,294/3 B,294/3C &295/1B Ikonthamkothapalli Village Village Krishnagiri Taluk	Krishnagiri	Absent
3	4430	M/s. Jay Granites (P) Limited No.24 Vith Main Road Kasthuribai Nagar Adyar Chennai-600020	2.16.5	S.F.No 90/5 Palayamkottai Village Denkanikottai Taluk	Krishnagiri	Absent
4	4810	Thiru. K. Ramesh No.6/23, Varadhappan Street Tindivanam Villupuram	1.21.5	S.F.No 93/4 (P), 93/5 (P), 94 (P), 106/15 (P), 106/20 (P), 106/21 (P), 106/22 (P) & 106/23 (P) Siruvalai Village Villupuram Taluk	Villupuram	Recommended subject to the condition

5	4890	Thiru. K. Jaganathan No.64, Karuvampalayam Extension Tiruppur Tiruppur-641604	1.11.5	104/7, 104/8, 104/8, 104/9A, 106/1B2, 106/1C & 106/4 Chittali (W) Village Kunnam Taluk	Perambalur	Recommended subject to the condition and NOC from the DFO and 300 number of trees to be planted
6	4991	Thiru. D. Durai Dhiviyathan No. 205, Housing Unit Rajagopalapuram Pudukkottai - 622003	1.42.0	81/5 & 91/2 (P), 91/3 (P), 91/4 (P) Irumbali & Sithannavasal Village Kulathur & Illupur Taluk	Pudukkottai	Recommended subject to the condition
7	5009	Thiru. M. S. Prabhu Old No.9, New No.16 2nd Street, Bakthavatchalam Nagar Adyar Chennai	2.19.0	389 (P) & 398 (P) Mahadevakollahalli Village Pochampalli Taluk	Krishnagiri	Recommended subject to the condition
8	5016	Thiru. B. Venkatesh No.255, Kanakapura Main Road 7th Block Jayanagar Bangalore - 560085	2.31.5	1/1 (P) & 1/2B(P) Thangayur Village Edappadi Taluk	Salem	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
9	5017	Thiru. B. Venkatesh No.255, Kanakapura Main Road 7th Block Jayanagar Bangalore - 560085	3.74.5	100/2A (P) & 100/2B Devannagoundanur Village Sankari Taluk	Salem	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
10	5080	Thiru. A. Baskaran No.2/609, Perumal Koil Street Vandiyur Alavandan Madurai	2.01.65	111 & 117/39 (Part) Agarapatti Village Illuppur Taluk	Pudukkottai	Recommended subject to the condition
11	5089	Tmt. D. Adaikalamary No.205, Housing Unit Rajagopalapuram Pudukkottai- 622 003	3.34.0	16/6, 16/7 (P), 17/3 (P), 17/4 (P), 17/5A (P), 17/5B (P)Santhaiyur Village Sattur Taluk	Virudhunagar	Recommended subject to the condition
12	5100	M/s. Laksa Granites and Exports Pvt. Ltd. No.10G, 2nd Cross Co-Operative Colony Krishnagiri Krishnagiri-635 001	2.93.0	248/2 (P), 248/1A (P), 248/1B (P) & 248/1C (P) Marasandiram Village Krishnagiri Taluk	Krishnagiri	Recommended subject to the condition
13	5101	M/s. M.C.B. Granites and Exports Pvt. Ltd.No.315, Mahalakshmi Towers Opp. To TNEB, Royakotta Road Hosur Krishnagiri-635 109	2.81.0	79, 80, 258/2B, 258/6A & 258/6B Naduvanapalli Village Krishnagiri Taluk	Krishnagiri	Recommended subject to the condition
14	5121	M/s. International Stones India Pvt. Ltd. Plot No.E-5, Sipcot Industrial Complex Phase - II, Expand I Hosur Krishnagiri- 635 109	1.22.0	27/2D (P) & 28/1 (P) Panchapalli Village Palacode Taluk	Dharmapuri	Recommended subject to the condition and acknowledgement copy from NBWL
15	5177	M/s. Suganya Granites No.1-1-11, Vel Murugan Colony Palayampatti Aruppukottai Virudhunagar - 626101	1.51.0	414/3 (P), 441/6B (P), 441/8 (P) Karandapalli Village Denkanikottai Taluk	Krishnagiri	Recommended subject to the condition and photocopies of tree plantation
16	5182	Tmt. V. Gowri No.6, South Street Manarpuram Trichy - 20	1.21.5	424/2 Vadachinnaripalayam Village Kangeyam Taluk	Tiruppur	Absent






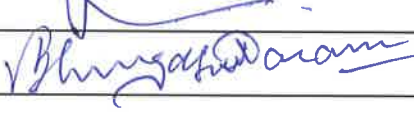




17	5183	Thiru. K.S. Raja Mahendran No.16/25, Ramaniam Anandakudeer 2nd Floor, 2nd Seaward Road Valmiki Nagar Thiruvannamalai Chennai - 41	2.29.0	423/17, 3, 4, 5, 6, 7B, 452/15, 16, 17 & 452/22B K. Pitchampatti Village Karur Taluk	Karur	Recommended subject to the condition and NOC from the Villagers
18	5184	Thiru. P.K. Pounraj No.9A, Athiyaman Complex By Pass Road Dharmapuri - 636701	1.01.5	477/1 (P) Agalakottai Village Denkanikottai Taluk	Krishnagiri	Absent
19	5186	Thiru. A. Gunasekaran No.16/31, Balaji Nagar 1st Street Royapettai Chennai - 600014	1.22.0	222/1B (P), 225/1B (P) & 225/2 (P) Athipakkam Village Vandavasi Taluk	Thiruvannamalai	Recommended subject to the condition
20	5215	M/s. G. V. Granites No.19G, Main Road Thogamalai Kulithalai Karur	1.39.0	160/2B, 160/5A, 160/5C & 449/1B Naganur Village Kulithalai Taluk	Karur	Recommended subject to the condition
21	5216	M/s. B.R. Granites (P) Ltd. No.11, Gopalakrishnan Street T. Nagar Chennai-17	4.19.0	468/1, 468/2B3, 468/3 & 467/1B (P) Ramadevam Village Paramathivelur Taluk	Namakkal	Absent
22	5234	M/s. Magna Stones Pvt Ltd No. 31, Defence Flat East Point Colony Visakapattinam District Andra Pradesh - 530 017	2.96.0	409/(P), 421/1B & 1(P), 2/1(P), 5/2C6B(P), 6/3 C(P), 6/5(P) Vendurayapuram & Dursamipuram Village Srikanth Taluk	Virudhunagar	Recommended subject to the condition
23	5245	M/s. G.V. Granites No. 19G, Main Road Thogamalai Kulithalai Karur - 621313	1.02.0	930 (P), 931/2 (P) & 937/2B (P) Paganatham Village Vedasandur Taluk	Dindigul	Recommended subject to the condition
24	4902	Thiru. Mir Tahar Ali No.18/16, 3rd Cross Co-Operative Colony Krishnagiri Krishnagiri-635203	2.48.0	380/1 (P) Chendarapalli Village Krishnagiri Taluk	Krishnagiri	Recommended subject to the condition
25	5104	M/s. Madhucon Granites Ltd. No.1-7-70, Jubilipura Khammam Khammam - 507003	2.39.5	21/3C1(P), 21/3C2(P), 21/4C3 (P), 22/1A1(P), 22/1A2(P), 22/1B1(P), 22/2B(P), 22/2C(P), 23/5C1(P), 23/5C2A(P), 23/5C2B(P) & 23/6A3(P)Edakkal Village Chengam Taluk	Thiruvannamalai	Recommended subject to the condition
26	5105	M/s. Madhucon Granites Ltd.No.1-7-70, Jubilipura Khammam Khammam - 507003	1.38.5	424/2A & 424/3A K.Pitchampatti Village Karur Taluk	Karur	Recommended subject to the condition

27	5161	M/s. KIPSI International No.2/229, Vakkanangundu Kariapatti Virudhunagar	4.95.9	21/1B(p), 21/1C2(P), 21/7A, 21/8A, 8B, 22/9H, 22/18(P), 22/21, 22/22, 22/23(P), 28/6B, 28/6C, 29/1, 2, 3, 4A1, 29/4B, 29/4C, 30/1A, 30/1B, 30/2A1, 30/2A2, 30/3A, 30/4B, 30/5B, 30/6B Vakknangundu Village Kariapatti Taluk	Virudhunagar	Recommended subject to the condition
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\*Environmental Clearance may be considered for the above projects subject to incorporating the following additional conditions for the Existing lease

1. The EC is valid only if the scheme of the mining plan is approved by the Commissioner of Geology & Mining or any officers nominated on his behalf.
2. If there is any change in the proposal of production or handling the waste amendment has to be submitted to SEIAA for further approval.
3. This EC is approved as per the G.O.No. 79 & Rule 41 & 42 of Tamil Nadu Mining Mineral Concession Rule 1959.

Sl. No	Name and position	Signature
1	Dr. K. Thanasekaran Member	
2	Dr. A. Navaneetha Gopalakrishnan Member	
3	Dr. K.S. Kavikumar Member	
4	Dr. K. Vallittan Member	
5	Dr. Indumathi M. Nambi Member	
6	Dr. G. S. Vijayalakshmi Member	
7	Dr. M. Jayaprakash Member	
8	Shri. V. Sivasubramanian Member	
9	Shri V. Shanmugasundaram Member	
10	Shri Thirumalaivasan Devarajan Member	
11	Shri B. Sugirtharaj Kolipillai Member	
Member Secretary, SEAC		 Chairman, SEAC

## Minutes for the Mining proposals (Minor Minerals) for the 76th Meeting of the SEAC held on 30/06/2016

### Agenda Item

The following projects are deferred in the previous meeting for want of additional particulars: Rough Stone & Gravel; 29 Nos. The proponent has furnished the additional details. The SEAC after verification of the details furnished by the proponent recommended 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. GPS coordinates for ground water table is to be provided.
15. The mined out pits should be backfilled where warranted and area should be suitably landscaped to prevent environmental degradation. The mine closure plan as furnished in the proposal shall be strictly followed with back filling and tree plantation.
16. Safety distance of 50m has to be provided in case of railway, reservoir, canal/odai
17. 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.
18. Safety equipments to be provided to all the employees.
19. 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.

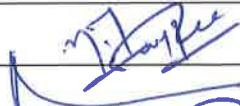
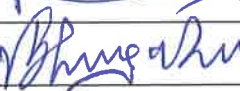
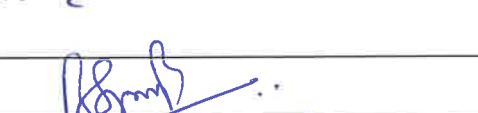


### MINOR MINERALS - Rough Stone & Gravel ( 29 Nos) 30.06.2016

Sl. No.	F.No	Name of the proponent	Extent in ha.	SF.No	Recommendation of the Committee
1	3607	Thiru K.Thangamuthu No.20, Nethaji Nagar, Kurikaran Palayam Railway Colony Erode District	4.72.0	118/2,118/3, etc Mugasi Anumanpalli & Attavanai Anumanpalli Village Erode	Recommended
2	3441	Thiru G. Thavasumani Chettivillaiputhaveedu Kearalapuram Post Kalkulam Taluk	0.59.0	S.F.No. 165(P), Kalkulam Village, Kalkulam Taluk	Recommended
3	3787	Thiru C.Palanisamy Karunjami Goundanpalayam, Palathurai (Post), Mathukarai Market,	1.29.0	S.F.No. 924(P) Chettipalayam Village, Mathukarai Taluk	Recommended
4	3806	Thiru M. Ramesh Vargheese No 5/80, Poovan Vilai Kannumavilai Karungal Post Kanniyakumari	0.60.0	S.F.No. 17(P) Kappiarai Village, Kalkulam Taluk	Details not furnished
5	3850	Thiru. R. Shanmugasundaram No.37, Park Avenue Thudiyalur Coimbatore - 641034	0.67.0	S.F.No. 45/1B Irumparai Village, Mettupalayam Taluk	Details not furnished
6	3851	Thiru. A. Murugesan Singarampalayam Kinathukadavu Kinathukadavu Coimbatore-642109	0.77.0	S.F.No. 400/1 (P) Vadapudur Village, Kinathukadavu Taluk	Recommended
7	3853	Thiru. S.Palanisamy No.2/611, Vadapudur Kinathukadavu Coimbatore-641032	0.73.5	S.F.No. 188/6 & 188/7 Vadapudur Village, Kinathukadavu Taluk	Recommended
8	3856	Thiru. P. Radhakrishnan No.31, Dr. Subbarayan Street Bhagavathipalayam Kinathukadavu Coimbatore-642109	1.06.0	S.F.No. 130/1 (P) Kinathukadavu Village, Kinathukadavu Taluk	Recommended



9	3857	Tmt. K. Sangeetha No.11, Thilagar Street Bagavathipalayam Coimbatore-642109	3.78.0	S.F.No. 423/2 Vadaputhur Village, Kinathukadavu Taluk	Recommended
10	3873	Thiru. P. Illayaraja No.5J/11, Bharathiyarpuram, Melur Taluk, Madurai-625 106	1.46.0	S.F.No. 557/2C (Eastern Part) Kadamboduvallvu Village, Nanguneri Taluk	Recommended
11	3874	Thiru. P. Arunraja No.5J/11, Bharathiyarpuram, Melur Taluk, Madurai-625 106	1.08.0	S.F.No. 544/2A, 544/2B, 545/1A, 545/1B, 545/2 554/1B1A, 554/1B1B, 554/1C1, 554/2, 555/1(P), 555/2A1A Kadamboduvallvu Village, Nanguneri Taluk	Recommended
12	3912	Thiru. D. Muthuraman No.1/336, Thidian Road Chellampatti Usilampatti Taluk, Madurai	2.86.0	S.F.No. 919/1A2, 919/1B2, 929/2A2, 929/2C, 931, 932 & 935/2 Kullapuram Village, Periyakulam Taluk	Recommended
13	3942	Thiru. K.M. Subramaniyan No.12-6-5C/2, Kacheri Street Gandhi Nagar Nilakkottai	1.08.0	S.F.No. 304/5, 305/1C, 317/2C3, 318/1C2, 319/2B & 320/1 Mallanampatti Village, Nilakkottai Taluk	Details not furnished
14	3943	Thiru. K.M. Subramaniyan No.12-6-5C/2, Kacheri Street Gandhi Nagar Nilakkottai Dindigul-624208	0.64.5	S.F.No. 302/2 (P) Mallanampatti Village, Nilakkottai Taluk	Details not furnished
15	3979	M/s. Malaieswarar Kaludaikkum Magalir Suyauthavikulu Vadakku Theru T. Subbulapuram Andipatti Theni	1.00.0	S.F.No. 659/1 (Part-IV) Timmarasanaickanur Bit-I Village, Andipatti Taluk	Recommended
16	3980	M/s. Sri Eswaran Kaludaikkum Magalir Suyauthavikulu Vadakku Theru T. Pudur T. Subbulapuram Andipatti	4.32.0	S.F.No. 95/1 Timmarasanaickanur Bit-I Village, Andipatti Taluk	Recommended
17	3991	Thiru. A. P. Nandakumar No. 4/2, 2nd East Main Road Gandhi Nagar Karasandi Taluk	0.80.0	S.F.No. 279(PART- 1) Ayelam Village, Walajah Taluk	Recommended
18	3997	M/s. Ultratech Cement Limited 3rd Floor Ahura Centre Opp. Middle Office Andheri (E) Mumbai	4.98.0	S.F.No. 5/3A, 5/3B, 5/3C, 6 (P) Kariasandiram Village, Hosur Taluk	Recommended
19	4044	Thiru. K. Thangarasu Natham Medu Athur Manmangalam Karur	4.33.5	S.F.No. 614/1A, 614/1B, 621/1B, 621/2B, & 621/4B (Patta Land) Manjanaickenpatty Village, Kadavur Taluk	Recommended

20	4 55	Thiru. P. Govindan D. Thurunjipatty Thenkaraikottai Pappireddipatty Dharmapuri-636904	1.51.5	S.F.No. 30/1 Dhasirahalli Village, Harur Taluk	Recommended
21	4125	Thiru. G. Nagarajan No.52-E, Railway Station Road Omalur Salem 636 455	0.81.0	S.F.No. 6/5B & 6/6B Kulamanickenpatty Village, Omalur Taluk	Recommended
22	4130	Thiru. S. Sriram No.2, Lakshmiapuram Extension-II Mudichur Road West Tambaram Chennai-45	2.00.0	S.F.No. 58/2 (P) T.C. Kandigai (East) Village, Tiruttani Taluk	Recommended
23	4132	Thiru. S. Vinothkumar No.8A, Duraisamy Pillai Street Tambaram West Chennai-45	1.92.0	S.F.No. 394/1F, 394/2B & 394/2C Pinayur Village, Uthiramerur Taluk	Recommended
24	4133	Thiru. S. Ravisundar No.1/1178-A, 1st Street Bethel Nagar Injambakkam Chennai-115	1.88.0	S.F.No. 417 Pinayur Village, Uthiramerur Taluk	Recommended
25	4144	Tvl. Arulmigu Kannimarsamy Kaludaikkum Magalir Nalasangam T. Rajagopalanpatti Andipatti	2.50.0	S.F.No. 1619(P) Timmarasanaickanur Bit II Village, Andipatti Taluk	Recommended
26	4224	Thiru. A. Sardharmohaideen No.4-3.23, Main Road Achanpudhur Senkottai	3.37.0	S.F.No 422/3, 416/1, 2, 3, 4, 425/18, 20 Poolankulam Village Alangulam Taluk	Recommended
27	4295	Thiru. M. Mohan NO.8, Rajendran Nagar Palayamjottai Tirunelveli 627002	1.97.5	S.F.No 523 Tharuvai Village Palayamkottai Taluk	Recommended
28	4829	Thiru. D. Radhakrishnan No.306, Mettu Street Endiyur Vanur Villupuram- 604304	1.50.0	S.F.No 67/1, 67/3P, 67/4P, 67/6, 67/7, 67/8, 67/9 & 69/2 Eraiur Village Vanur Taluk	Recommended
	4959	M. Maridurai, No.3/189, A.Maruthappapuram,Nettur Alangulam, Tirunelveli	1.29.0	62 Kanarpatti Village Tirunelveli Taluk	Recommended
Sl. No	Name and position			Signature	
1	Dr. K. Thanasekaran Member				
2	Dr. A. Navaneetha Gopalakrishnan Member				
3	Dr. K.S. Kavikumar Member				
4	Dr. K. Valivittan Member				
5	Dr. Indumathi M. Nambi Member				
6	Dr. G. S. Vijayalakshmi Member				

7	Dr. M. Jayaprakash Member	
8	Shri. V. Sivasubramanian Member	
9	Shri V. Shanmugasundaram Member	
10	Shri Thirumalaivasan Devarajan Member	
11	Shri B. Sugirtharaj Kollpillai Member	
Member Secretary, SEAC		 Chairman, SEAC

## Agenda Item

The SEAC appraised the following project proposals 1. Savudu/Gravel/Saral/Earth/Brick Earth -28 Nos.; 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 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

\*The below projects are deferred for want of below details to be furnished by the proponent

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 below the approved depth of Mining.

## MINOR MINERALS - Brick Earth, Savudu, Gravel (28 Nos ) - 01.07.2016





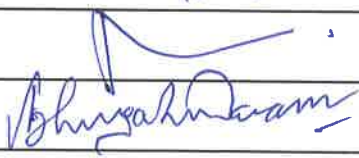


Sl. No.	F.No	Name of the proponent	Extent in ha.	SF.No	District	Recommendation of the Committee
1	2192	Thiru R. Dheenadayalan Small Street, Arigilapady Village Arakonam Town Vellore - 631 151	0.52.50	S.F.No. 115/5B, Illupai Thandalam Village, Arakkonam Taluk	Vellore	Absent
2	2797	The Director L&T Shipbuilding Ltd Kattupalli Village Ponneri Taluk Tiruvallur - 600 120	2.40.0	S.F.No. 155/2 Poromboke PWD Tank, Thathamaji Village, Ponneri Taluk	Tiruvallur	Absent
3	2850	Thiru P. Manokaran No.2/171, East Street Pillaiperumanallur Kazhiyappanallur Village Tharangambadi Taluk Nagapattinam - 609 307	1.82.0	S.F.No. 349/1B(P) & 349/2B, Pillaiperumanallur Village, Tharangambadi Taluk	Nagapattinam	Absent
4	3203	Thiru G. Veerasekaran No.107, 5th Street Dr. Vimala Nagar, Medavakkam Chennai - 600 100	1.91.75	S.F.No. 226(P), Periya Eri (PWD Tank) Sithalapakkam Village, Sholinganallur Taluk	Kancheepuram	Absent

5	3599	Thiru T.Yoseph No.306A, Main Road, Leppaikudiiruppu, Perungudi Village, Kaval Kinaru Post, Radhapuram Taluk, Tirunelveli District - 627 105	0.81.0	206 Panagudi Part-1 Village Radhapuram Taluk	Tirunelveli	Deferred
6	3726	Thiru S. Manikandan No.56/43, South Forth Street Pudukottai - 622 001	3.00.0	S.F.No. 310, 311, 312 Nallambakkam Village, Chengalpattu Taluk	Kancheepuram	Absent
7	3859	Thiru V.Raghuvaran Thiruppunaivasal Post, Avudaiyarkovil Taluk, Pudukottai District	3.15.0	S.F.No. 500/2(P) Sathanancherry Village, Uthiramerur Taluk	Kanchipuram	Absent
8	4057	Thiru. K. Srinivasan No.8/113A-Periyar Nagar Sholavaram Chennai-67	1.96.0	S.F.No. 220(P), 247, 248, 249(P), 251(P) Pattaraiperumbudur Village, Tiruvallur Taluk	Tiruvallur	Deferred
9	4086	Thiru. R. Murugan No.1/287, Muniappan Koil Street Silamalai Bodinaickanur Theni	1.03.0	S.F.No. 120/2C Silamalai Village, Bodinaickanur Taluk	Theni	Deferred
10	4161	Sree Balaji Minerals No.25-E, Bharani Flats 2nd Floor Warners Road Cantonment Tiruchirappalli 620 001	2.21.5	S.F.No. 267 & 268 Karai East Village, Kunnam Taluk	Perambalur	Absent
11	4370	Thiru. K. Shanmugasundaram Sun Bricks Main Road, Perumal Pudhur Samarayappatti Madathukulam Tiruppur	4.96.5	S.F.No 230/1, 230/3A, 230/3C, 230/3D, 230/3F, 231/2A, 231/2C, 231/2D, 239/A1, 240/1A, 240/1B & 240/1C Elayamuthur Village Udumalaipet Taluk	Tiruppur	Deferred
12	4658	Thiru.A.Parthi Markalingam 1/2D, karukudi Village Vairavanendhal Post Ramanathapuram	2.09.0	S.F.No 48/1 Ervadi Village Kilakarai Taluk	Ramanathapuram	Deferred
13	4852	Thiru. S. Vincent No.4/46, Kennedy Street Karuthepillaiyur Melambur Ambasamuthram Tirunelveli-627418	1.38.0	S.F.No 563 Part (Achankulam Poromboke PWD tank) Melampur-part 2 Village Ambasamudram Taluk	Tirunelveli	Deferred

14	4921	Thiru. J. Krishnamurthy M/s. Krishna Bricks Voyalallur Poonamallee Tiruvallur	1.44.0	100/1 (P), 101/6A, 101/6B & 101/7A Eraiur Village Thiruvallur Taluk	Tiruvallur	Deferred
15	4970	Thiru. A. Selva Suganthan No.234/B, Muthukovil Street Kalanthapanai Panakudi Radhapuram Tirunelveli 627105	1.92.10	108/2A2, 111/1 & 112/1A (Patta Land) Panakudi Part - II Village Radhapuram Taluk	Tirunelveli	Deferred
16	5012	Thiru. N.R. Sambasivam Melakondaiyar Tiruvallur Tiruvallur-602001	1.00.0	114 (P) Katharvedu Village Uthukottai Taluk	Tiruvallur	Deferred
17	5050	Thiru. N. Rajaram No.28, Pandiyan Nagar Arasaradi Madurai-16	4.86.0	208/4, 208/5, 208/6 & 208/7 Karadikal Village Thirumangalam Taluk	Madurai	Deferred
18	5052	Thiru. S. Nagarajan No.2093, Puthiyampudhur, Perungudi, Radhapuram Tirunelveli	4.11.5	1123 & 1124 Pazhavor Part 1 Village Radhapuram Taluk	Tirunelveli	Deferred
19	5077	Thiru. V. Prakash No.15/9/4, Philispuram Street Vattalakundu Nilakottai Dindigul	2.60.0	407/1, 407/2 & 407/3 Mallapuram Village Periyar Taluk	Madurai	Deferred
20	5092	Thiru. S. Muthu Raman No. S-3, Green House Apartments Phase - II Mc Donalds Road Cantonment	4.95.0	28/1 (P) Sakkottai Village Karaikudi Taluk	Sivagangai	Deferred
21	5095	Thiru. M. Vinoth Kandanoor Road Karaikudi Sivagangai-630001	4.85.5	8(P) Athangudi Village Karaikudi Taluk	Sivagangai	Absent
22	5111	Thiru. N. Krishnan Vandikaramurugalah Kovil Street, Velipattinam Ramanathapuram-623504	0.40.5	131/2 Sakkarakottai Village Ramanathapuram Taluk	Ramanathapuram	Deferred



23	5112	Tmt. R. Vijaya No.18, Ilayanai Appanur Kadaladi Ramanathapuram-623504	1.00.0	10/1 Ervadi Village Keelakkarai Taluk	Ramanathapuram	Deferred
24	5113	Thiru. N. Syed Abuthahir No.8/27, Chinnapallivasal Street Devipattinam Ramanathapuram-623514	1.60.5	134/2, 134/4, 140/2, 140/3 & 140/4 Gangaikondan Village Paramakudi Taluk	Ramnad	Deferred
25	5159	Thiru. N. Sabarikumar Elanjamboor Mudukulathur Ramanathapuram	2.79.0	183/2, 184/1 & 184/2 T. Pudukottai Village Manamadurai Taluk	Sivagangai	Deferred
26	5192	Thiru. S. Pitchandi Pothaisuthi Devanallur Nanguneri Tirunelveli - 627502	4.34.5	17/1B1, 1B2, 1B3, 56/1, 5, 57/2 Keelakaduvetti Village Nanguneri Taluk	Tirunelveli	Absent
27	5221	Thiru. K. Siddhan Tholur Kombai Chinnampalli Pennagaram Dharmapuri - 636811	0.48.5	468/2 Chinnampalli Village Pennagaram Taluk	Dharmapuri	Deferred 50 m safety distance to be provided from the nearby water body
28	5222	Thiru. K. Sakthivel Kovalli Kombai Kalappambadi Pennagaram Dharmapuri - 636811	0.87.0	506/3 Chinnampalli Village Pennagaram Taluk	Dharmapuri	Deferred

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

**Minutes for the Mining proposals (Minor Minerals) for the 76th Meeting of the SEAC held on 01.07.2016**

**Agenda Item**

The SEAC appraised the following project proposals Rough Stone : 99 Nos 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 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 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. GPS coordinates for ground water table is to be provided.
  15. The mined out pits should be backfilled where warranted and area should be suitably landscaped to prevent environmental degradation. The mine closure plan as furnished in the proposal shall be strictly followed with back filling and tree plantation.
  16. Safety distance of 50m has to be provided in case of railway, reservoir, canal/odal
  17. 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.
  18. Safety equipments to be provided to all the employees.
  19. 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.
  20. Name board shall be displayed in case of existing quarries with details of Proponent, lease period, extent, etc.

**\*Environmental Clearance may be considered for the following projects subject to obtaining the following additional particulars**

1. The Proponent shall furnish the Blaster license/certificate obtained from the competent authority.
2. The Proponent shall furnish the Baseline data for the proposed quarry site.
3. Boundary pillars to be erected in accordance with the rules depicting GPS details to be monitored electronically.
4. ~~The measurement of existing pit, depicting the material already excavated and to be removed to be clearly indicated by proper authentication and the same has to be submitted to the District authorities.~~
5. Heavy earth machinery equipments if utilized, after getting approval from the competent authority.
6. The Proponent shall furnish a letter from the Public Works Department regarding the Ground Water table in the quarry site.
7. The Proponent shall provide the Insurance Protection to the workers.

**MINOR MINERALS - Rough Stone (99 Nos) - 01.07.2016**

Sl. No.	F.No	Name of the proponent	Extent in ha.	SF.No	District	Recommendation of the Committee
1	1819	Tmt. A. Kamachi Vayalogam Post Illuppur Taluk, Pudhukottai - 622 104	0.60.5	S.F.No. 141/6A, 6B, 6C, 6D, 6E, 6F Mangudi Village, Illuppur Taluk,	Pudukottai	Absent
2	1873	Thiru S. Sriram No 2, Lakshmiapuram Extension II Mudichur Road, Tambaram West Chennai - 600 045	1.89.5	S.F.No. 208/1, 2, 3, 4, 5 Periyavenmani Village, Maduranthagam Taluk	Kancheepuram	Absent
3	2530	Thiru G. Manirajan Elaiyanvayal, Kulathur Post, Kulathur Taluk Pudukottai - 622 504	0.97.5	S.F.No. 58/1, 58/2A, 62/1, Kulathur Village, Kulathur Taluk	Pudukottai	Absent
4	2882	Thiru P. Ponraj No 1/39, North Street Athimarapatti Village Thoothukudi Taluk Thoothukudi - 628 005	2.58.5	S.F.No. 452/2, 452/4, Mela Thattaparai Village, Thoothukudi Taluk	Thoothukudi	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash



5	3349	Tmt T. Arul mozhi No 218, Thalakarai Pollachi Taluk Coimbatore - 642 005	3.09.5	S.F.No. 236/1B, 236/1E, 236/1F, 263/1I, 236/1G(P), 237/B2, Thalakarai Village, Pollachi Taluk	Coimbatore	Absent
6	3443	Tvl. Robo Silicon Pvt.Ltd Edaiyarpalayam Village Sulur Taluk Coimbatore - 641 402	3.64.0	S.F.No. 179/2(P), Edaiyarpalayam Village, Sulur Taluk	Coimbatore	Absent
7	3613	Thiru D.Murugapandian No.1/93, Kollaiveli Street, Chokkanandhal Village Gingee Taluk	2.00.0	69/3(P) Perumpugai Village Gingee Taluk	Villupuram	Absent
8	3927	Thiru N. Chellappan 5/255,Azhagu Nagar, Seelanaickenpatty post, Salem Taluk, Salem District - 636201	1.58.5	S.F.No. 339/2 Marapparai Village, Tiruchengode Taluk	Namakkal	Recommended on receipt of additional details
9	4152	Thiru. P. Selvakumar No.23, Jayalakshmi Illam Uraiyur Trichy-3	1.00.0	S.F.No. 328/2 Block-1 Kalpadi North Village, Perambalur Taluk	Perambalur	Absent
10	4188	Thiru. S. Armstrong Fernando No.70/A-2, III Floor Sundarbans Tower Ist Avenue Ashok Nagar Chennai-83	1.00.0	S.F.No. 280/13A Block - 1 Thuraimangalam Village, Perambalur Taluk	Perambalur	Absent
11	4192	Thiru. M.K. Rajendiran Indira Nagar Elambalur Perambalur Perambalur-621212	1.00.0	S.F.No. 52/1 Block-13 Sengunam Village, Perambalur Taluk	Perambalur	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
12	4218	Thiru. M. Venkatachalam No.67, Avinashi Goundampalayam Chengapalli Avinashi Tiruppur - 638812	1.82.0	S.F.No 6/1 (P) Muthampalayam Village Avinashi Taluk	Tiruppur	Recommended on receipt of additional details and toilet facilities to be provided to the nearby govt.school and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
13	4223	Thiru. N. Abdul Gani No.2, Kulathoor Ayyanar Koil Street Tenkasi Taluk Tirunelveli - 627 811	3.73.5	S.F.No 201, 202/1, 187/1, 203/1 &204/2 Therku Madathoor Village Tenkasi Taluk	Tirunelveli	Recommended on receipt of additional details
14	4228	Thiru. M. Subramani No.276/3, Vaiyapuri Street 1st Street, 40th Feet M.G. Road Karur - 639002	2.71.0	S.F.No 302/1 Chinnakampatti Village Oddanchatram Taluk	Dindigul	Absent

15	4230	Thiru. J. Manohar No.68, Anna Nagar Lakshmpuram Palani Dindigul	1.00.0	S.F.No 529/1 Part III Kallimandhayam Village Oddanchatram Taluk	Dindigul	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
16	4252	Thiru. V. Velusamy Parakuttai Kadu Chettipalayam Periyakuyili Coimbatore - 641201	2.43.5	S.F.No 291/1B2, 291/1D1, 291/1D2 Pachapalayam Village Sulur Taluk	Coimbatore	Representation
17	4253	Thiru. K. Ravisuthan No.286/51, Nainampatty Road Street Gandhi Nagar Vellandivalasu Edappadi Salem - 637101	0.81.0	S.F.No 415/3B Vellirivelli Village Edappadi Taluk	Salem	Recommended on receipt of additional details
18	4286	Tmt. J. Jeyanthi No.8, Pettai Street KaraisuthuPuthur Radhapuram Taluk Tirunelveli-627657	4.88.0	S.F.No 168/2 Kovankulam Village Radhapuram Taluk	Tirunelveli	Absent
19	4306	Thiru. R. Ashok kumar No.2/49, Sakthi Nagar Behind MDS Nagar Hasthampatti Salem Salem - 636007	2.00.0	S.F.No 402/1 (Part) Erumpalayam Village Salem Taluk	Salem	Recommended on receipt of additional details
20	4373	Thiru. N. Mohamed Mahaboob No.8/143, Main Road Pottalputhur Ambasamudram Tirunelveli - 627 423	3.92.0	S.F.No 434/4C, 434/4E, 434/4J, 445/1A, 445/1C, 470/1, 471/2, 471/3, 472/1B & 472/1C Anantha Perumal Nadnoor Village Alangulam Taluk	Tirunelveli	Recommended on receipt of additional details
21	4376	Thiru. P. Palani Kolamanjanur Malaimanjanur Thandrapattu Tiruvannamalai	2.00.0	S.F.No 1 (Part-2) Kolamanjanur Village Thandrapattu Taluk	Tiruvannamalai	Recommended on receipt of additional details
22	4411	Thiru.M.Nagendiren HIG .9/1 ,Plot no.4,TNHB phase 15 Mullai nagar Hosur Krishnagiri-635106	3.90.0	S.F.No 15/1 Elumichanahalli Village Village Palacode Taluk	Dharamapuri	Recommended on receipt of additional details and on receipt of NOC from DFO/acknowledgement copy from NBWL
23	4460	Thiru.S.Kathiravan Old No.1/75,New .134 Tiruvallur Street Virupachipuram Vellore Vellore	0.80.0	S.F.No 412/11(part3) Palamathi Village Vellore Taluk	Vellore	Recommended on receipt of additional details

24	4467	Thiru.R.Singaram No.25/2A Pallikuda Theru Thenimalai Tiruvannamalai	1.00.0	S.F.No 45/2C (Part-5) Athipadi Village Tiruvannamalai Taluk	Tiruvannamalai	Absent
25	4474	Thiru.R.Nageswaran No.23 Sasthri Nagar Varadharajapuram Chennai-600048	3.41.0	S.F.No 160,161,162,1661/A,166/2,16 9/1,169/2,170/1,170/2,170/3, 171/2B,171/3C,171/4A, and 171/4B Erumaiyur Village Sriperumbudur Taluk	Kanchipuram	Recommended on receipt of additional details
26	4475	Thiru.R.Nageswaran No.23 Sasthri Nagar Varadharajapuram Chennai-600048	4.87.5	S.F.No 316/7A1,316/7A2,321/2A,321 /2B,322/1,322/2,322/3,322/4, 322/5,323(Vadamangalam Village),18/3,19/1A and 19/2 (Mambakkam village) Vadamangalam & Mambakkam Village Sriperumbudur Taluk	Kanchipuram	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
27	4476	Thiru.R.Nageswaran No.23 Sasthri Nagar Varadharajapuram Chennai-600048	4.47.5	S.F.No 29/9,29/10,29/11,29/12,29/13 ,85/1,85/2,85/3 and 85/4 Mambakkam Village Sriperumbudur Taluk	Kanchipuram	Recommended on receipt of additional details and on receipt of NOC from the nearby Villagers and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
28	4477	Thiru.R.Nageswaran No.23 Sasthri Nagar Varadharajapuram Chennai-600048	4.93.5	S.F.No 394/1A,394/1B,394/1C,394/1 D,394/1E,412/1,412/2A,412/2 B and 414/2 Pinayur Village Uthiramerur Taluk	Kanchipuram	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
29	4519	Thiru.R.jeya Sekharan Chittanmurivila Bethelpuram Post Kalkulam Kanniyakumari	0.81.62	S.F.No 6/1 & 6/2B (Patta land ) Kappiyarai Village Kalkulam Taluk	Kanniyakumari	Recommended on receipt of additional details
30	4568	Thiru. L. Sudhakar No.82, Palla Street Agaram Thenneri Kancheepuram	2.39.5	S.F.No 94/4, 95/2, 103/11 & 103/2 Girijapuram Village Cheyyar Taluk	Tiruvannamalai	Absent

31	4599	Tvl.Amman Arul Crusher No.5/41-2,Nallipalayam K.paramathi village Aravakurichi Taluk, Karur	2.58.0	S.F.No 1064(P),1065/1A,1B(P) &1066/2(P) Thennilai East Village Aravakurichi Taluk	Karur	Recommended on receipt of additional details
32	4606	Thiru.C.Loganathan 4/27 Chittykuppam post Sundarakuttai Village Gudiyatham Taluk Vellore-632602	1.00.0	S.F.No 229(Part-3) Pogalur Village Gudiyatham Taluk	Vellore	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
33	4643	Thiru.T.Pasupathi Venakatasala puram Udumalai Road Pollachi Coimbatore	1.23.0	S.F.No 31/1A,1B,1C &1D Nallur Village Village Pollachi Taluk	Coimbatore	Recommended on receipt of additional details
34	4657	Thiru.K.Venkatachalam Mettupalayam Vaiyappamalai Chinnamanali village,Tiruchengode Namakkal	4.44.5	S.F.No 77/2A & 77/2 Chinnamanali Village Tiruchengode Taluk	Namakkal	Recommended on receipt of additional details and on receipt of NOC from the nearby Villagers
35	4673	Thiru.I.Thangaraj Dr.No.8-A Market road Periya Eri Salai Thuraiyur Taluk Tiruchirappalli	2.71.0	S.F.No 117/1A.1C,1D,4A,4B,118/2,3A, 3C,4A,4B &4C Muthaiyanpalayam Village Thuraiyur Taluk	Tiruchirappalli	Recommended on receipt of additional details
36	4695	Thiru.R.Selvam No.5/85A Pathirapatti post Manapparai (Via) Kulithalai Karur	2.12.5	S.F.No 9/4A,9/4B,9/5,10/3,10/4 anmd 10/5 Uthupatti Village Kulithalai Taluk	Karur	Recommended on receipt of additional details
37	4706	Thiru.R.Dhanakoti Varagur Village Thandampattu Tiruvannamalai	1.00.0	S.F.No 3(Part-2) Varagur Village Thandampattu Taluk	Tiruvannamalai	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
38	4719	Thiru. R. Arul Melathangal Tirukovilur Villupuram	1.00.0	S.F.No 45/2C (Part-I) Athipadi Village Tiruvannamalai Taluk	Tiruvannamalai	Recommended on receipt of additional details
39	4721	Thiru.J.Venkatesan No.153A/1 Pillaiyar Kovil Street Melapattu Villagae Ramakrishnapuram post,Cheyyar Tiruvannamalai	1.18.0	S.F.No 216/1 and 216/2 Chithathur Village Cheyyar Taluk	Tiruvannamalai	Absent

40	4798	Thiru. K. Krishnasamy Gavva Pillaimar Street Seithunganallur Srivaikundam Thoothukudi - 628809	0.88.0	S.F.No 494/1 Therkku Karaseri Village Srivaikundma Taluk	Thoothukudi	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
41	4820	Thiru. P. Marimuthu No.1/34, Kaspamelpagam Ponnakudi Palayamkottai Tirunelveli-627081	4.73.5	S.F.No 522/1, 522/2, 534 & 535 (P) Tharuvai Village Palayamkottai Taluk	Tirunelveli	Recommended on receipt of additional details
42	4841	Thiru. P. Muniyappan Makkankottai Sugar Mill Palacode Dharmapuri - 636808	3.66.5	S.F.No 13 Chikkardanahalli Village Palacode Taluk	Dharmapuri	Absent
43	4843	Thiru. R. Manokaran T. Ovulapuram Uthamapalayam Theni	2.59.0	S.F.No 174/1, 175/1, 175/2 & 175/3 Thevaram Village Uthamapalayam Taluk	Theni	Absent
44	4846	Thiru. P. Gopal No.1/354, Merku Thottam Karanampettai Palladam Tiruppur	1.74.5	S.F.No 27/2B Kodangipalayam Village Palladam Taluk	Tiruppur	Recommended on receipt of additional details
45	4977	Thiru R.Palanisamy Thiru R.Palanisamy Irumparai Post, Coimbatore District	1.53.5	58/1B, 58/1C, 58/1D & 58/2C Irumparai Village Mettupalayam Taluk	Coimbatore	Recommended on receipt of additional details
46	5001	Thiru. M.S.J. Santhosh No. 15-35, Annapparaja Mandapam Theru Forest Road Theni	1.82.5	1290(Part 5) Kovilpatty Village Andipatty Taluk	Theni	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
47	5002	Thiru. K. Akkiniraj T. Subbulappuram Andipatti Theni	1.00.0	659/1(Part) Timmarasanaickanur Bit-I Village Andipatty Taluk	Theni	Recommended on receipt of additional details
48	5015	Thiru. K. Govindasamy Mottur Angampatti Pochampalli Krishnagiri - 635206	0.92.5	124/2E2, 126/1B & 126/2 Sivampatti Village Pochampalli Taluk	Krishnagiri	Absent
49	5024	Thiru. P. Thangavel No.1-3-61, Kulasekarankottai Vadipatti Madurai	0.80.0	64/1A & 65/6 Kulasekarankottai Village Vadipatti Taluk	Madurai	Absent

50	5025	Thiru. D. Umasankar No.1, Thiru.Ve Ka Salai Thiruvallur Nagar Salavanpettai Vellore	2.72.0	334/1B Siruthamur Village Uthiramerur Taluk	Kanchipuram	Recommended on receipt of additional details
51	5029	Thiru. G. Muniyasami No.717, Kambar Street Bharat Nagar Madurai-625014	1.00.0	1673(Part-4) Katchaikatti Village Vadipatti Taluk	Madurai	Recommended on receipt of additional details
52	5035	Thiru. S. Devendhiran No.25, I.A.S. Nagar Thiruvarambur Tiruchirappalli	2.28.0	33, 34/3, 34/4, 34/5, 34/6 & 34/8 Killukulavaipatti Village Kulathur Taluk	Pudukkottai	Recommended on receipt of additional details
53	5042	Thiru. M. Ramesh Karanthaipatti Illuppur Pudukkottai-622102	2.86.0	11/1 & 11/2B Thiruvengaivasal Village Illuppur Taluk	Pudukkottai	Absent
54	5049	Thiru. K. Manisekaran Ram Nagar Gandhi Village South Pasupathi Palayam Karur	0.80.0	20/1B1 (Part) Sengal Village Krishnarayapuram Taluk	Karur	Recommended on receipt of additional details
55	5053	Thiru. M. Meyyaarasu No.3/102, Periyakuyilai Pachapalayam Sulur Coimbatore-641201	2.61.5	333/1 Pachapalayam Village Sulur Taluk	Coimbatore	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
56	5064	Thiru. A. Ganesan N.190, Kadaiveethi Eraiyur-Toozipedu Vanur Villupuram	2.62.5	81/2 & 82 Eraiyur Village Vanur Taluk	Villupuram	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
57	5065	Thiru. M. Shanmugam No.36, Kayithemillath Street Madampalayam Road Punjaipuliampatti Sathyamangalam Taluk Erode - 638459	1.43.5	410/1A & 410/1B Mooduthurai Village Mettupalayam Taluk	Coimbatore	Recommended on receipt of additional details
58	5066	Thiru. M.S. Manivasakan No.7/20, Neelipalayam Alathur Avinashi Tiruppur	2.75.5	407/1, 407/2, 407/4, 409/1A, 462/1A2 & 462/1B Mooduthurai Village Mettupalayam Taluk	Coimbatore	Recommended on receipt of additional details
59	5069	Thiru. C. Ganesan No.168, Mettu Street Karasanur Vanur Villupuram	4.27.5	118/1, 118/2, 118/3, 118/4A Thollmur & Nemili Village Vanur Taluk	Villupuram	Recommended on receipt of additional details
60	5071	Thiru. Dinesh Polavarpu H.No.202/5, Sai Enclave 4th Cross Near M.S. Ramaiah City J.P. Nagar 7th Phase Bangalore-78	1.91.5	1257/1 Nagamangalam Village Denkanikottai Taluk	Krishnagiri	Recommended on receipt of additional details
61	5072	Tmt. P.K.S. Tamilarasi No.1, Narayanasamy Street Pennathur Vellore	1.38.5	323/4 & 326A/4C (Part) (Patta Land) Ariyur Village Vellore Taluk	Vellore	Recommended on receipt of additional details





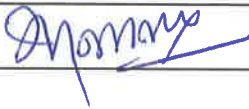

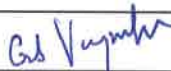





62	5075	Thiru. P. Elumalai No.6/38, Vaniyangulam Virupatchipuram Vellore	0.62.0	332/2, 333/2 (P) & 335/3 (P) Venkatapuram Village Arcot Taluk	Vellore	Recommended on receipt of additional details
63	5076	Tmt. R. Amsaveni No.3745, TNHB Colony Villapuram Madurai	2.00.0	26 (Part) Ponnamangalam Village Thirumangalam Taluk	Madurai	Recommended on receipt of additional details
64	5088	Thiru. J. BaskarNo.2/449, Pillaiyar Koil Street Narayanapuram Pootuthakku Walajah Vellore	1.00.0	477 (Part-1)Arappakkam Village Walajah Taluk	Vellore	Recommended on receipt of additional details
65	5091	Thiru.N. Govindasamy Allinagaram Theni Theni - 625531	0.80.0	2202/1 (Part-II) Allinagaram Village Theni Taluk	Theni	Recommended on receipt of additional details
66	5099	Thiru. T. Rajendran, No.4/825, Annur Road, Aravind Nagar, Mettupalayam Coimbatore	0.93.0	331/1B, Bellathi Village, Mettupalayam Taluk	Coimbatore	Recommended on receipt of additional details
67	5102	Thiru. K. Thangaraj Ettimarathukadu Erumapalayam Salem - 636015	1.00.0	443/1 (Part - North Side) Erumapalayam Village Salem Taluk	Salem	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
68	5117	Thiru. R. Venkatachalam No.5/213, Rajiv Gandhi Nagar Salem Road Namakkal Town Namakkal-637001	0.70.5	1/1, 1/2(P), 1/3(P), 1/4 & 1/6 Pachudaiyampatty Village Senthamangalam Taluk	Namakkal	Recommended on receipt of additional details
69	5119	Thiru. R. Muthusamy Melur Sathyamangalam Kulathur Pudukkottai	0.93.5	216/5, 6, 8, 9, 10, 11, 17 & 18 Melur Village Kulathur Taluk	Pudukkottai	Recommended on receipt of additional details
70	5122	Thiru. R. Thangam No.3/41, Pitchanur Madukkarai Coimbatore	1.48.5	519/3 Pitchanur Village Madukkarai Taluk	Coimbatore	Recommended on receipt of additional details
71	5123	Thiru. M. Thangamani No.4/386, M. Perumalpatti Mallapuram M. Kallipatti Peraiyur Madurai - 625535	1.00.0	412/2 (P) Kudicherry Village Peraiyur Taluk	Madurai	Recommended on receipt of additional details
72	5127	Thiru. A. Bellarmine Jose Vellankattivillai Mullaganavillai Vilavancode Kanniyakumari-629157	2.66.03	409/4A5B Nattalam Village Vilavancode Taluk	Kanniyakumari	Recommended on receipt of additional details
73	5129	Thiru. R. Rengasamy Periyarengapalayam Punnam Aravakurichi Karur	0.57.0	557/B Punnam Village Aravakurichi Taluk	Karur	Recommended on receipt of additional details and on receipt of NOC from the nearby Villagers

74	5130	Thiru. K. Nallasamy R. G. Nagar Punnam Chatram Karur	2.95.0	266/1 (P) Kuppam Village Aravakurichi Taluk	Karur	Recommended on receipt of additional details
75	5131	Thiru. V. Saravanan No.55/6, N. R.M. Complex Rayanur Thoranakalpatti Aravakurichi Taluk, Karur	0.81.0	71/A2 Kuppam Village Aravakurichi Taluk	Karur	Recommended on receipt of additional details
76	5134	Thiru K. Mujeebur Rahman Salem Main Road Elavanasurkottai & Post Ulundhurpet Taluk Villuppuram - 607 202	1.40.5	327/3, 4, 5, 7, 8 Thirupair Village Ulundurpet Taluk	Villupuram	Recommended on receipt of additional details
77	5135	Thiru B. Mohamed Farook Salem Main Road Thiyaga Durgam Kallakurichi Taluk Villuppuram - 606 206	0.43.0	55/5 Poraiyur Village Kallakurichi Taluk	Villupuram	Recommended on receipt of additional details
78	5138	Thiru. P. Kasirajan No.153A, Polpettai West Thoothukudi Thoothukudi	1.94.5	339B, 343/1 & 343/2 Mela Thattapparai Village Thoothukkudi Taluk	Thoothukkudi	Recommended on receipt of additional details
79	5148	Thiru. T. Rajendran No.8/66, Sivan Koil Street Ulundurpet Villupuram - 607202	1.97.5	332/2B, 332/3A, 332/3B, 332/4A, 332/4B, 334/3A & 334/3B Thirupayar Village Ulundurpet Taluk	Villupuram	Recommended on receipt of additional details
80	5150	Thiru. S. Saravanan No.29/4C, 5th Main Road Ramalinganagar Woraiyur Trichy - 3	1.00.0	161/1 (Part) Oottathur Village Lalkudi Taluk	Trichy	Absent
81	5151	Thiru. N. Subramani Arapakkam Kancheepuram Kancheepuram-631608	3.02.5	123/18A, 18B, 18C, 19 20, 21, 22, 23, 24, 25 &129 Menallur Village Vembakkam Taluk	Tiruvannamalai	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash
82	5153	Thiru. N. Sunder No.3/113, Vadakku Theru Poosaripatti Mallanampatti Nilakkottai Dindigul	1.39.0	105/6 & 105/7 Rengappanaickenpatti Village Nilakottai Taluk	Dindigul	Recommended on receipt of additional details and receipt of photocopies of 50 numbers of tree plantation
83	5168	Thiru. K. Achiya Ramanucham No.3/36, North Street New Appaneri G.V.N. College Kovilpatti Thoothukudi	1.19.0	422/7 & 422/8 Pillayarnatham Village Kovilpatti Taluk	Thoothukkudi	Absent



84	5181	Thiru. N. Agathiappan No.1237, Narasingapuram Krishnapuram Madathukulam Tiruppur - 642111	4.57.5	689/1, 689/2 (P) & 689/3A (P) Myvadi Village Madathukulam Taluk	Tiruppur	Recommended on receipt of additional details
85	5187	Tmt. S. Geetha No.2/1571, Velammal Nagar Sivakasi Town Sivakasi Virudhunagar - 626 123	2.72.5	215/1A, 1B, 2, 3, 223/3 & 224/2B, 2D, 2E, 2F Chinnakamanpatti Village Sattur Taluk	Virudhunagar	Recommended on receipt of additional details
86	5189	Thiru. M. Panchavarnam Annai Illam Neerathan Vadipatti Madurai - 625218	1.00.0	1673 (Part-5) Katchaikatti Village Vadipatti Taluk	Madurai	Recommended on receipt of additional details
87	5200	Thiru. T. Venkatesan No.147/C, Maniyakar Street Renderipattu Polur Tiruvannamalai - 606803	0.40.0	2/1A (Part-3) Kunnathur Village Polur Taluk	Tiruvannamalai	Absent
88	5202	Thiru. J. SureshKumar No. 2/70, Karthikeyapuram Padmapuram Village Tiruthani Taluk Tiruvallur - 631 211	0.80	170 Kizhavanam Village Arkonnamm Taluk	Vellore	Recommended on receipt of additional details
89	5224	Tmt. SA. Sumithashankr No.252, Metbanda Venkatapuram Krishnagiri Krishnagiri-635001	1.20.0	56/1 (Part-5) Kothapetta Village Krishnagiri Taluk	Krishnagiri	Recommended on receipt of additional details
90	5225	Thiru. V. M. Nallasamy Old No: 1/20 D New NO. 1/59, Ariyur Kaspa Aravakurichi Karur	2.07.50	484(P) & 485 (P) K. Paramathy Village Aravakurichi Taluk	Karur	Recommended on receipt of additional details
91	5227	Thiru. C. Sivakumar No.5/2, Ellaiyampalayam Kokkai Tiruchengode Taluk Namakkal - 637410	4.58.0	233/1, 233/2 & 233/3 Kokkai Village Tiruchengode Taluk	Namakkal	Recommended on receipt of additional details
92	5228	Thiru. A. Venkatachalam No.1/7, Kangeyampalayam Sulur Coimbatore-641662	1.29.0	52/1D2(P) & 2A(P) Kodangipalayam Village Palladam Taluk	Tiruppur	Recommended on receipt of additional details
93	5230	Thiru. V. Jagatheesan Kurumbapatti Aravakurichi Karur - 639205	1.00.0	206/6 (P) Ellapatti Village Oddanchatram Taluk	Dindigul	Recommended on receipt of additional details and 500m radius satellite image with scale to be signed by Dr.M.Jeyaprakash

94	5235	Thiru. G. Murali No.65, Near Nehru College Thirumalalyampalayam Madukkarai Taluk Coimbatore District	11.16.0	30/1 & 30/2A Palathurai Village Madukkarai Taluk	Coimbatore	Recommended on receipt of additional details
95	5239	Thiru. K.P. Komeshkumar Chinnamelupalli Krishnagiri Krishnagiri-635001	1.00.0	279 (Part-1) Chennasandiram Village Krishnagiri Taluk	Krishnagiri	Recommended on receipt of additional details
96	5243	Thiru. N. Chakravarthy Chennasandiram Krishnagiri Krishnagiri-635001	1.00.0	279 (Part-2) Chennasandiram Village Krishnagiri Taluk	Krishnagiri	Recommended on receipt of additional details
97	5244	Thiru. N. Santhamoorthy No.3/301, Periyar Nagar Krishnagiri Krishnagiri-635001	2.45.0	81/1 Ittikal Agaram Village Krishnagiri Taluk	Krishnagiri	Recommended on receipt of additional details

98	5277	Thiru. P. Senthilkumar No.255/DA 15, Ram Nagar Perambalur Perambalur-621212	1.00.0	55/1 Block 1 Perambalur (North) Village Perambalur Taluk	Perambalur	Recommended on receipt of additional details and on receipt of photocopies for 200 number of tree plantation
99	5285	Tmt. Oviyam No.440, Main Road Palacode Dharmapuri - 636808	5.00.0	506 (P) (Clubbed with 496, 504) P. Chettihalli Village Palacode Taluk	Dharmapuri	Recommended on receipt of additional details
Sl. No	Name and position			Signature		
1	Dr. K. Thanasekaran Member					
2	Dr. A. Navaneetha Gopalakrishnan Member					
3	Dr. K.S. Kavikumar Member					
4	Dr. K. Vallittan Member					
5	Dr. Indumathi M. Nambi Member					
6	Dr. G. S. Vijayalakshmi Member					
7	Dr. M. Jayaprakash Member					
8	Shri. V. Sivasubramanian Member					
9	Shri V. Shanmugasundaram Member					
10	Shri Thirumalaivasan Devarajan Member					
11	Shri B. Sugirtharaj Kollipillai Member					
MEMBER SECRETARY-SEAC				 CHAIRMAN-SEAC		

**Minutes for the Mining proposals (Minor Minerals) for the 76th Meeting of the SEAC held on 01.07.2016**

**Agenda Item**

The SEAC appraised the following project proposals Granite ; 17 Nos 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 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 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. GPS coordinates for ground water table is to be provided.
  15. The mined out pits should be backfilled where warranted and area should be suitably landscaped to prevent environmental degradation. The mine closure plan as furnished in the proposal shall be strictly followed with back filling and tree plantation.
  16. Safe distance of 50m has to be provided incase of railway, reservoir, canal/odal
  17. 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.
  18. Safety equipments to be provided to all the employees.
  19. 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.
  20. Name board shall be displayed in case of existing quarries with details of Proponent, lease period, extent, etc.

\*Environmental Clearance may be considered for the following projects subject to obtaining the following additional particulars

1. The Proponent shall furnish the Blaster license/certificate obtained from the competent authority.
2. The Proponent shall furnish the Baseline data for the proposed quarry site.
3. Boundary pillars to be erected in accordance with the rules depicting GPS details to be monitored electronically.
4. The measurement of existing pit, depicting the material already excavated and to be removed to be clearly indicated by proper authentication and the same has to be submitted to the District authorities.
5. Heavy earth machinery equipments if utilized, after getting approval from the competent authority.
6. The Proponent shall furnish a letter from the Public Works Department regarding the Ground Water table in the quarry site.
7. The Proponent shall provide the Insurance Protection to the workers.

**MINOR MINERALS -Granite ( 17 ) 01.07.2016**









Sl. No.	F.No	Name of the proponent	Extent in ha.	SF.No	District	Recommendation of the Committee
1	4184	Selvi. Deborah Manickam 6/145, Theerthagiri Nager Dharmapuri District Palacode - 636 808	1.23.0	S.F.No. 906/1(P) Thavarakarai Village, Denkanikottai Taluk	Krishnagiri	Absent
2	4416	M/s. Blue Horse Granites Door. No 133-1,2A Sivagangai Main Road Varichur Madurai	1.02.0	S.F.No 54(p) Devannagoundanur Village Village Sankari Taluk	Salem	Absent
3	4642	TVI.Southern Rocks and Minerals (P) Ltd. Adjacent to Industrial Estate Kurnool Road Ongole Ongole	2.80.0	S.F.No 1437/2A,1440/1A,1440/1 B,1440/3A,1440/3B,1440/ 4B,1440/5B &1440/7B Mallankuzhi Village Sathyamangalam Taluk	Erode	Recommended subject to the condition

4	4890	Thiru. K. Jaganathan No.64, Karuvampalayam Extension Tiruppur Tiruppur-641604	1.11.5	104/7, 104/8, 104/8, 104/9A, 106/1B2, 106/1C & 106/4 Chittali (W) Village Kunnam Taluk	Perambalur	Recommended subject to the condition and on receipt of NOC from DFO and on receipt of photocopies of 300 number of tree plantation
5	4968	Thiru. E. Rengar Pathiripatti Kulithalai Karur - 621313	0.81.0	240 (Part) Thogamalai Village Kulithalai Taluk	Karur	Recommended subject to the condition
6	5055	Thiru. A. Sathar No.151/3, Jagadevipalayam Krishnagiri Krishnagiri-635201	1.78.0	375/2D, 375/3, 375/2E (P) & 377/1A1 (P) Chendarapalli Village Krishnagiri Taluk	Krishnagiri	Recommended subject to the condition
7	5067	M/s. Sri. Bhairava Granites Kondappanayanapalli Krishnagiri Krishnagiri-635203	2.01.5	176/2 Chendarapalli Village Krishnagiri Taluk	Krishnagiri	Recommended subject to the condition
8	5073	Thiru. P. Ramachandran No.12, Bharathiyar 5th Street SS Colony Ward-18 Madurai-625 016	2.84.5	407/1, 407/2, 407/3 (Part), 407/4, 408/3 & 408/4 (Part) (Consent Patta lands) K. Pitchampatti Village Karur Taluk	Karur	Recommended subject to the condition
9	5080	Thiru. A. Baskaran No.2/609, Perumal Koil Street Vandiyur Alavandan Madurai	2.01.65	111 & 117/39 (Part) Agarapatti Village Illuppur Taluk	Pudukkottai	Recommended subject to the condition
10	5086	Thiru. S. Ramachandran Old No.D/364, New No. D/11 Ukkarakaliammankoil Street Anna Nagar Thennur Trichy - 620017	3.05.0	170/1, 503/2Q, 497/1 & 498/2 Nagojanahalli Village Pochampalli Taluk	Krishnagiri	Recommended subject to the condition
11	5087	Thiru. S. Ramachandran Old No.D/364, New No. D/11 Ukkarakaliammankoil Street Anna Nagar Thennur Trichy - 620017	4.90.0	177/3, 178/4 & 188/1 (P)Sengal Village Krishnarayapuram Taluk	Karur	Recommended subject to the condition
12	5090	M/s. Goodluck Exports No.1/118, Bargur Main Road (Opp) Co.op Bank Jagadevipalayam Krishnagiri	2.41.0	168/1 (P), 169/1, 169/2 & 181/1C1(P) Puligunda Village Krishnagiri Taluk	Krishnagiri	Recommended subject to the condition
13	5115	Thiru. Praveen S. Nair Deva House 21st Ward, Near Pandi Koil T.R.M.S. Compound T.B. Road, Usilampatti Madurai	6.40.5	194/1, 194/2, 194/3, 298/1 & 298/2 Sekkapatti Village Nilakottai Taluk	Dindigul	Recommended subject to the condition

	5121	M/s. International Stones India Pvt. Ltd. Plot No.E-5, Sipcot Industrial Complex Phase - II, Expand I Hosur Krishnagiri-635 109	1.22.0	27/2D (P) & 28/1 (P) Panchapalli Village Palacode Taluk	Dharmapuri	Recommended subject to the condition and on receipt of NOC from DFO/acknowledgement copy from NBWL
15	5158	Thiru. C. Satish Kumar No.247, Anna Nagar North Cross Street, Ward - 7, Madurai-625020	1.45.5	496/2A2, 3 & 4 Arasiramani Bit-II Village Sankari Taluk	Salem	Recommended subject to the condition
16	5160	M/s. Pokarana Limited No.105, Suriya Towers Sardar Patel Road Secunderabad-500003	2.98.0	568/1, 575/2, 575/2 (P) & 621/2 (P) Subramanipuram Village Sivakasi Taluk	Virudhunagar	Recommended subject to the condition
17	5191	Thiru. K. M. Nagaraja Menasignahalli Venganahalli Anekal Bangalore	1.00.0	206/2A & 208/1B Ulimaranapalli Village Denkanikottai Taluk	Krishnagiri	Recommended subject to the condition

**\*Environmental Clearance may be considered for the above projects subject to incorporating the following additional conditions for the Existing lease**

1. The EC is valid only if the scheme of the mining plan is approved by the Commissioner of Geology & Mining or any officers nominated on his behalf.
2. If there is any change in the proposal of production or handling the waste amendment has to be submitted to SEIAA for further approval.
3. This EC is approved as per the G.O.No. 79 & Rule 41 & 42 of Tamil Nadu Mining Mineral Concession Rule 1959.

Sl. No	Name and position	Signature
1	Dr. K. Thanasekaran Member	
2	Dr. A. Navaneetha Gopalakrishnan Member	
3	Dr. K.S. Kavikumar Member	
4	Dr. K. Vallittan Member	
5	Dr. Indumathi M. Nambl Member	
6	Dr. G. S. Vijayalakshmi Member	
7	Dr. M. Jayaprakash Member	
8	Shri. V. Sivasubramanian Member	
9	Shri V. Shanmugasundaram Member	
10	Shri Thirumalalvasan Devarajan Member	
11	Shri B. Sugirtharaj Koilpillai Member	
Member Secretary, SEAC		 Chairman, SEAC