

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of the Meeting of 242nd State Expert Appraisal Committee (SEAC) held on 3rd February 2022 (Thrusday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for Appraisal of Building and Construction Projects, Townships and Area Development projects & Mining projects through video conference/Offline.

Agenda No:242 -01.

(File No: 8731/2022)

Proposed Silica Sand quarry lease area over an extent of 3.73.0Ha at S.F.Nos. 73(Part) of Vadaagaram Village, Marakkanam Taluk, Villupuram District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - TAMIN - For Environmental Clearance.

(SIA/TN/MIN/225474/2021, dt 19.08.2021)

The proposal was appraised in 240th meeting of SEAC held on 02.11.2021. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Tamil Nadu Minerals Limited - TAMIN, has applied for Environmental Clearance for the proposed Silica Sand quarry lease area over an extent of 3.73.0Ha at S.F.Nos. 73(Part) of Vadaagaram Village, Marakkanam Taluk, Villupuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the five years states that the total quantity of recoverable as 39,986 tonnes of Silica sand and the ultimate depth of mining is 4m below ground level.

Based on the presentation and documents furnished by the project proponent, SEAC noted that the project proponent has attended appraisal meeting without prior intimation to SEIAA that they are going to present the proposed project without EIA Coordinator /consultant (functional area expert).

In view of the above, SEAC after detailed deliberations has decided to defer


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SEAC- TN

the proposal and the project proponent was directed to furnish clarification regarding reason for not attending the meeting. The proponent has accepted the same.

The proposal was again placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022.

The project proponent has submitted clarification letter to the Committee stating that, TAMIN has engaged NABET accredited consultant M/s.Eco Tech Labs Ltd, Chennai who made a presentation.

Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

“ ... No quarrying or mining or crushing activities shall be carried out within one kilometer radial distance or the protective distance as notified by the Ministry of Environment, Forest and Climate Change, Government of India from time to time, whichever is more, from the boundaries of ecologically sensitive areas, environmentally and ecologically sensitive protected areas such as the National parks, Wild life Sanctuaries, Tiger Reserves, Elephant corridors and Reserve Forests”.

The Committee noted that the Agaram Reserve Forest is located at a distance of 0.118km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

Agenda No:242 -02.

(File No: 8784/2022)

Proposed Development of Industrial Park over an extent of 413.705Ha(1021.851 acres) located at S.F.No. 37/1, 37/2, 37/3, 38/1, 38/2, 38/3, 38/4, 39/1, 39/2, 39/3, 40, 41/1, 41/2, 41/3, 41/4, 41/5, 41/6, 41/7, 42/1, 42/2A, 42/2B, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3A, 43/3B, 43/3C, 43/3D, 44/1, 44/2, 45, 46/1A, 46/1B, 46/1C, 46/2, 46/3, 46/4, 46/5A1, 46/5A2, 46/5B, 47/1, 47/2A, 47/2B, 47/2C, 47/3, 47/4, 47/5A, 47/5B, 47/6, 47/7A, 47/7B, 48/1, 48/2A, 48/2B, 49/1, 49/2, 49/3A, 49/3B, 49/4, 50/1A, 50/1B, 50/2A, 50/2B, 50/3, 51/1, 51/2, 51/3, 51/4, 51/5, 51/6, 51/7,


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

52/1, 52/2, 52/3, 52/4, 53/1A1, 53/1A2, 53/1B, 53/2A, 53/2B, 53/2C, 53/3, 53/4, 53/5, 53/6A, 53/6B, 53/6C, 53/6D, 53/6E, 53/6F, 54/1, 54/2A, 54/2B, 54/2C, 54/2D, 54/2E, 54/2F, 54/2G, 54/2H, 54/2I, 54/2J, 54/2K, 54/3, 55/1A, 55/1B, 55/1C, 55/2, 55/3, 56, 57/1, 57/2, 58/1A1, 58/1A2, 58/1A3, 58/1A4, 58/1B, 58/2, 59/1, 59/2, 60/1, 60/2A, 60/2B, 60/3, 60/4, 61/1, 61/2, 62, 63/2, 63/1, 64/1, 64/2A, 64/2B, 64/2C, 64/2D, 64/2E, 64/2F, 64/2G, 64/2H, 65/1A, 65/1B, 65/1C, 65/2A, 65/2B, 65/2C, 65/3, 65/4, 65/5A, etc., of Marudhandapalli and Nallaganakothapalli Villages, Soolagiri Taluk, Krishnagiri District – For Terms of Reference (SIA/TN/MIS/67185/2021 dated: 01.09.2021)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 3.02.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) has applied for seeking Terms of Reference for the Proposed Development of Industrial Park at S.F.Nos. 37/1, 37/2, 37/3, 38/1, 38/2, 38/3, 38/4, 39/1, 39/2, 39/3, 40, 41/1, 41/2, 41/3, 41/4, 41/5, 41/6, 41/7, 42/1, 42/2A, 42/2B, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3A, 43/3B, 43/3C, 43/3D, 44/1, 44/2, 45, 46/1A, 46/1B, 46/1C, 46/2, 46/3, 46/4, 46/5A1, 46/5A2, 46/5B, 47/1, 47/2A, 47/2B, 47/2C, 47/3, 47/4, 47/5A, 47/5B, 47/6, 47/7A, 47/7B, 48/1, 48/2A, 48/2B, 49/1, 49/2, 49/3A, 49/3B, 49/4, 50/1A, 50/1B, 50/2A, 50/2B, 50/3, 51/1, 51/2, 51/3, 51/4, 51/5, 51/6, 51/7, 52/1, 52/2, 52/3, 52/4, 53/1A1, 53/1A2, 53/1B, 53/2A, 53/2B, 53/2C, 53/3, 53/4, 53/5, 53/6A, 53/6B, 53/6C, 53/6D, 53/6E, 53/6F, 54/1, 54/2A, 54/2B, 54/2C, 54/2D, 54/2E, 54/2F, 54/2G, 54/2H, 54/2I, 54/2J, 54/2K, 54/3, 55/1A, 55/1B, 55/1C, 55/2, 55/3, 56, 57/1, 57/2, 58/1A1, 58/1A2, 58/1A3, 58/1A4, 58/1B, 58/2, 59/1, 59/2, 60/1, 60/2A, 60/2B, 60/3, 60/4, 61/1, 61/2, 62, 63/2, 63/1, 64/1, 64/2A, 64/2B, 64/2C, 64/2D, 64/2E, 64/2F, 64/2G, 64/2H, 65/1A, 65/1B, 65/1C, 65/2A, 65/2B, 65/2C, 65/3, 65/4, 65/5A, etc., of Marudhandapalli and Nallaganakothapalli Villages, Shoolagiri Taluk, Krishnagiri District, Tamilnadu.


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3


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2. The Project/activity in land area of 413.705 Ha (1021.851 Acres) under category "B1" of Item 8(b)-Townships and Area Development Projects of the Schedule to the EIA Notification 2006.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Terms of Reference subject to the following specific conditions, in addition to standard conditions stipulated by MOEF &CC:

1. The project proponent shall obtain the approval from the competent authority for the extraction of Groundwater.
2. The project proponent shall create and monitor Environmental Management Cell.
3. The project proponent shall take fresh base line data for the study.
4. The project proponent shall conduct Bio-study and Bio-survey and a report shall be furnished.
5. All industries in the SIPCOT should not store inflammable materials. The SIPCOT shall furnish the plan for the same.
6. The salt shall not be disposed to TSDF and it should be scientifically disposed and disposal plan shall be submitted.
7. The project proponent shall submit No objection certificate from all the concerned DFOs.
8. The project proponent shall conduct a study on all reserve forest Settippalli RF, Sanamavu RF, RF near Ramasandiram, Berikai ext. RF, Miditepalli RF, RF near Gollapalli, Berikai RF and Cauvery North Wildlife Sanctuary along with Biodiversity mapping, including details of flora and fauna etc.,
9. The contour levels of the proposed site shall be measured and contour map shall be furnished. The project Proponent shall furnish the detailed water balance as per the MoEF & CC guidelines.
10. The project proponent shall not disturb any water bodies and shall furnish a plan for protecting water bodies.


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11. The project proponent shall furnish 'A' register, Village map with FMB sketch to check the contiguous nature of the site.
12. The Proponent shall carryout a cumulative impact study for soil, water, air etc, and the same may be furnished in the report.
13. A detailed storm water plan to drain out the water from site shall be prepared in accordance with the contour levels of the proposed project site considering the flood occurred in the year 2015 and also considering the surrounding development.
14. Storm water drain should be utilized inside the premises and there should not be any discharge out of the plant and plan shall be submitted accordingly.
15. The layout plan for the greenbelt area shall be earmarked with GPS coordinates by the project proponent on the periphery of the site and the same shall be submitted to CMDA/DTCP for approval. It is the responsibility of the SIPCOT to have 33% green belt.
16. The proponent shall list out all the commercial activities planned in the SIPCOT area.
17. The SIPCOT shall provide a hospital facility in industrial housing area.
18. The proponent shall fix separate compound between factory and residences. Minimum distance as per guidelines should be there between factory and residence.
19. The space allotment for solid waste disposal (5% of the area) and sewage treatment shall be furnished.
20. Details of Solid Waste management plan shall be prepared as per Solid Waste Management Rules, 2016 by SIPCOT and shall be furnished.
21. Details of rainwater harvesting system proposed should be furnished and the water shall be used for other beneficial purpose so that fresh water utilization is reduced.
22. The Proponent shall assess and include the Solid waste Generation and Hazardous waste Generation due to the expired chemicals.


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23. The Proponent shall carry out the AAQ & ANL survey in minimum six places & minimum 6 ground water samples of Surface Water Quality to be analyzed.
24. The Proponent shall carry out the Traffic Study at minimum two locations.
25. The Proponent shall carry out the assessment and modeling study on Fugitive Emission and analysis the impact of the same.
26. The proponent shall use green technology, renewable energy at least 20% should be of solar energy.

Agenda No:242 -03.

(File No: 8788/2022)

Proposed Desilting of Sand & Silt quarry over an extent of 25.31.7 Ha located at S.F. No. 225,226 & 227, Vadakadu Village, Oddanchatram Taluk, Dindigul District - For Terms of Reference

(SIA/TN/MIN/67595/2021 dated: 15.09.2021)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent M/s.The Executive Engineer , PWD/WRD, Nanganjiyar Basin Division, Palani has applied for Terms of Reference for the proposed Desilting of Sand & Silt quarry over an extent of 25.31.7 Ha located at S.F. No. 225, 226 & 227 Vadakadu Village, Oddanchatram Taluk, Dindigul District– Tamil Nadu.
2. The project/activity is covered under “B1” category of Item 1(a) “Mining of Minerals Projects” of the Schedule to the EIA Notification, 2006.
3. The production for the five years states that the total quantity of recoverable as 30,191m³ of sand and 5, 53,936 m³ of silt and the ultimate depth of mining is 3.56m below ground level.


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Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Terms of Reference subject to the following specific conditions, in addition to normal conditions stipulated by MOEF & CC:

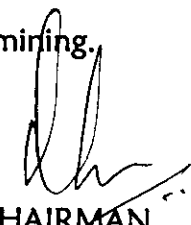
1. The following information shall be submitted by the project proponent.
 - a. Width of the river
 - b. Extraction area be indicated in absolute value area as % of ML area against the norm of sand mining by MoEF & CC.
 - c. "No mining zone" safety zone, distance of ML boundary from river bank, distance of ML boundary from nearest habitation, distance of haulage road from village road, distance from river bridge or NH/SH or large infrastructure (both upstream and downstream) vis-à-vis the norm for the same as per sand mining management as per MoEF & CC in a tabular form.
2. The details of the location to cover land use and ecologically sensitive areas.
 - a. Details of wells in the vicinity, ground water tables and other surface water bodies in the vicinity.
 - b. Thickness of Sand and its variation covering the entire area; similarly the width of the sand bed.
 - c. Borelog Test report indicating thickness of Sand and its variation covering the entire area; similarly the width of the sand bed.
 - d. Agricultural land if any, surrounding the quarry site.
 - e. The composition of sand and other minerals present in the river bed.
 - f. Details of the river bed.
 - g. History of mining in the area shall be furnished.
3. Reclamation of the sand area after mining needs to be submitted.
4. Justification for usage of more Hydraulic Excavators (Poclain) in individual sand mining areas to be given.


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5. Adequate safety measures in the quarrying area with respect to Hydraulic Excavators (Poclain) to be deployed.
6. Adequate plan for traffic management for the loaded vehicles passing through nearby habitation.
7. The impact of dust pollution and noise on the habitations nearby.
8. The PWD has to give scientific evidence for concluding that river sand depth is 1 m and it may not cause any significant impact on the ground water table in the surrounding environment.
9. The PWD has to furnish the details regarding agricultural activities that are taking place around the project area.
10. The details of the open/bore wells in the vicinity of the project site should be furnished.
11. Study the quality and quantity of ground water in 5km radius in the downstream of the project site.
12. Study the Impact of sand mining on the structures located in the nearby vicinity.
13. The route map for the Trucks/Lorries for accessing the project area and for transporting mined sand should be specified.
14. The details regarding traffic volume in the vicinity of project area should be furnished.
15. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
16. A detail study shall be conducted on the impact of sand mining with the habitation and cultivation in the nearby area along the river bed and its mitigation measures.
17. The mining area must be demarcated leaving at least 50m from the river embankment on either side.
18. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.


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19. The EIA report should be as per the Guidelines for Sustainable Sand Mining issued in 2016 by the MoEF & CC, GOI, New Delhi.
20. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels. In such a way a plan of action should be submitted.
21. EMP should contain break up details such as tools, labor and environmental monitoring cost, cost for the ground water monitoring in the surrounding area shall be part of the EMP cost, variation of depth of ground water and quality shall be monitored during the project period by conducting survey once in 3 months. This cost shall also be included in EMP.
22. SOP of sprinkling on haulage road including details of plantation on both side of haulage road and avenue plantation be submitted.
23. Provision of bio-toilet to be ensured and indicated.
24. The proposal for CER shall be furnished with time frame as per office memorandum of MoEF & CC dated 01.05.2018
25. In addition to following details to be furnished.
- Quantity estimated to be mined through machineries with extent.
 - Quantity estimated to be mined through manual mining with extent.
 - Certificate from the VAO stating the details of habitation located within 300 m radius from the boundary of the proposed site along with FMB sketch.
 - The project proponent has to furnish the affidavit stating that there are no bridges, culverts, cross masonries, water head works or any other civil structures within 500 mts., of the proposed quarry site.
 - The RL Upstream, RL Downstream, RL Starting, RL Ending, Chainage starting KM, Ending KM details shall be furnished.
 - Geological sections Map should be furnished.
 - 500m, 1KM & 5KM radius of clear Google Map showing all the features like agricultural activities, habitations, etc


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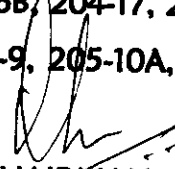
- viii. The self purification capacity of the river shall be furnished.
- ix. Adequate plan for traffic management for the loaded vehicles passing through nearby habitation.

Agenda No:242 -04.

(File No:7652/2022)

Proposed Development of Industrial Park at Mambakkam Village in an area of 74.76 Ha (184.66 Acres) at S.F. Nos. 119-1, 119-2A, 119-3A1A, 119-4, 119-5, 119-7A1, 119-8, 119-9, 119-10, 120-1, 120-2A1A, 120-2A2A, 120-2A3, 120-3, 120-4, 120-5, 121-1, 121-2, 121-3, 121-4, 121- 5, 121-6A, 121-6B, 121-6C, 121-6D, 121-6E, 121-6F, 122-1, 122-2A, 122-2B, 122-2C, 122-3, 122-4A, 122-4B, 122-5, 123-1, 123-2, 123-3A, 123-3B, 123-4, 123-5A, 123-5B, 123-5C, 123-6, 123-7A, 123-7B, 123-8, 123-9, 123-10, 123-11, 123-12, 123-13, 123-14, 123-15, 123-16, 123-17, 123-18, 124-1, 124-2, 124-3A, 124-3B, 124-3C, 124-4, 124-5, 124-6, 124-7, 124-8, 124-9A, 124-9B, 124-10, 124-11, 124-12, 124-13, 124-14A, 124-14B, 124-15, 124-16, 124-17, 125-1A, 125-1B, 125-2, 125-3, 125-4, 125-5, 126-1, 126-2, 126-3, 126-4, 126-5, 126-6, 126-7, 126-8, 126-9, 126-10, 126-11A, 126-11B, 126-12, 127-1A1, 127-1A2, 127-1B, 127-2, 127-3, 127-4, 127-5, 127-6, 127-7, 127-8, 127-9, 127-10, 128-1, 128-2, 128-3, 128-4, 128-5, 128-6, 128-7, 128-8, 129-1, 129-2, 129-3, 129-4, 129-5, 129-6, 129-7, 129-8, 129-9A, 129-9B, 129-9C, 130, 132-1, 132-2A, 132-2B, 132-2C, 132-2D, 132-2E, 132-3, 132-6, 132-7A, 132-7B, 132-8, 132-9, 149-1, 149-2, 149-3A, 149-3B, 198-1, 198-2, 198-3, 198-4, 198-5, 198-6, 198-7A, 198-8A, 198-8B, 198-9, 198-10, 199-2, 199-4, 199-6, 200-1, 200-2B, 200-3, 200-4, 200-5, 200-6, 200-7, 200-8, 200-9, 200-10A, 200-10B, 200-11, 200-12, 200-13, 200-14, 200-15, 200-16, 201-1, 201-2, 201- 3A, 201-3B, 201-3C, 201-3D, 201-4A, 201-4B, 201-5, 201-6, 201-9, 201-10, 201-11, 201- 12, 201-13, 201-14A, 201-14B, 202-1A, 202-1B, 202-2A, 202-2B, 202-3A, 202-3B, 202-4, 202-5, 202-6A, 202-6B, 202-7, 202-8A, 202-8B, 202-9, 202-10, 202-11, 202-12A, 202-13, 202-14, 202-15, 202-16A, 202-16B, 202-17, 202-18, 204-1, 204-2, 204-3, 204-4, 204-5, 204-6, 204-7, 204-8, 204-9, 204-11, 204-12, 204-13A, 204-13B, 204-13C, 204-13D, 204- 14, 204-15, 204-16A, 204-16B, 204-17, 205-1, 205-2, 205-3, 205-4, 205-5A, 205-5B, 205- 6, 205-7, 205-8, 205-9, 205-10A, 205-


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10C, 206-1, 206-2, 206-3, 206-4, 206-5, 206-7, 206- 8, 206-9, 206-11, 207-1, 207-2, 207-3, 207-4, 207-5, 207-6, 207-7, 207-8, 207-9A, 207- 9B, 207-10, 207-11, 207-12, 207-13, 207-14, 208-1, 208-2, 208-3, 208-4, 208-6, 208-7, 208-8, 208-9, 208-10, 208-11, 208-12, 208-13, 208-14, 208-15, 208-16, 208-17, 208-18, 208-19, 208-20, 209-1, 209-2, 209-3, 209-4C, 209-4E, 209-5, 209-6, 209-7A, 209-7B, 210-1, 210-2, 210-3, 210-4, 210-5A, 210-5B, 210-5C, 210-5D, 210-6, 210-7A, 210-7B, 210-8, 210-9, 210-10, 211-1A, 211-1B, 211-2, 211-3A, 211-3B, 211-3C, 211-5A, 211-5B, 211-5C, 211-5D, 211-6, 211-7A, 211-7B, 211-7C, 211-7D, 211-7E, 211-7F, 211-8A, 211- 8B, 211-9A, 211-9B, 211-9C, 211-9D of Mambakkam Village Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu under Schedule B - 8(b)-Townships and Area Development Projects – for Environmental Clearance

(SIA/TN/MIS/67813/2020, Dated: 23.09.2021)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (parivesh. nic.in).

The SEAC noted the following:

1. The project proponent M/s. State Industries Promotion Corporation of Tamil Nadu Limited, has applied for seeking Environmental Clearance for the Proposed Development of Industrial Park over an extent of 74.76 Ha (184.66 Acres) at S.F. Nos. 119-1, 119-2A, 119-3A1A, 119-4, 119-5, 119-7A1, 119-8, 119-9, 119-10, 120-1, 120-2A1A, 120-2A2A, 120-2A3, 120-3, 120-4, 120-5, 121-1, 121-2, 121-3, 121-4, 121-5, 121-6A, 121-6B, 121-6C, 121-6D, 121-6E, 121-6F, 122-1, 122-2A, 122-2B, 122-2C, 122-3, 122-4A, 122-4B, 122-5, 123-1, 123-2, 123-3A, 123-3B, 123-4, 123-5A, 123-5B, 123-5C, 123-6, 123-7A, 123-7B, 123-8, 123-9, 123-10, 123-11, 123-12, 123-13, 123-14, 123-15, 123-16, 123-17, 123-18, 124-1, 124-2, 124-3A, 124-3B, 124-3C, 124-4, 124-5, 124-6, 124-7, 124-8, 124-9A, 124-9B, 124-10, 124-11, 124-12, 124-13, 124-14A, 124-14B, 124-15, 124-16, 124-17, 125-1A, 125-1B, 125-2, 125-3, 125-4, 125-5, 126-1, 126-2, 126-3, 126-4, 126-5, 126-6, 126-7, 126-8, 126-9, 126-10, 126-11A, 126-11B, 126-12, 127-1A1, 127-1A2, 127-1B, 127-2, 127-3, 127-4, 127-5, 127-6, 127-7, 127-8, 127-9, 127-10, 128-1, 128-2, 128-3, 128-4, 128-5, 128-6, 128-7, 128-8,

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11

CHAIRMAN
SEAC- TN

129-1, 129-2, 129-3, 129-4, 129-5, 129-6, 129-7, 129-8, 129-9A, 129-9B, 129-9C, 130, 132-1, 132-2A, 132-2B, 132-2C, 132-2D, 132-2E, 132-3, 132-6, 132-7A, 132-7B, 132-8, 132-9, 149-1, 149-2, 149-3A, 149-3B, 198-1, 198-2, 198-3, 198-4, 198-5, 198-6, 198-7A, 198-8A, 198-8B, 198-9, 198-10, 199-2, 199-4, 199-6, 200-1, 200-2B, 200-3, 200-4, 200-5, 200-6, 200-7, 200-8, 200-9, 200-10A, 200-10B, 200-11, 200-12, 200-13, 200-14, 200-15, 200-16, 201-1, 201-2, 201-3A, 201-3B, 201-3C, 201-3D, 201-4A, 201-4B, 201-5, 201-6, 201-9, 201-10, 201-11, 201-12, 201-13, 201-14A, 201-14B, 202-1A, 202-1B, 202-2A, 202-2B, 202-3A, 202-3B, 202-4, 202-5, 202-6A, 202-6B, 202-7, 202-8A, 202-8B, 202-9, 202-10, 202-11, 202-12A, 202-13, 202-14, 202-15, 202-16A, 202-16B, 202-17, 202-18, 204-1, 204-2, 204-3, 204-4, 204-5, 204-6, 204-7, 204-8, 204-9, 204-11, 204-12, 204-13A, 204-13B, 204-13C, 204-13D, 204-14, 204-15, 204-16A, 204-16B, 204-17, 205-1, 205-2, 205-3, 205-4, 205-5A, 205-5B, 205-6, 205-7, 205-8, 205-9, 205-10A, 205-10C, 206-1, 206-2, 206-3, 206-4, 206-5, 206-7, 206-8, 206-9, 206-11, 207-1, 207-2, 207-3, 207-4, 207-5, 207-6, 207-7, 207-8, 207-9A, 207-9B, 207-10, 207-11, 207-12, 207-13, 207-14, 208-1, 208-2, 208-3, 208-4, 208-6, 208-7, 208-8, 208-9, 208-10, 208-11, 208-12, 208-13, 208-14, 208-15, 208-16, 208-17, 208-18, 208-19, 208-20, 209-1, 209-2, 209-3, 209-4C, 209-4E, 209-5, 209-6, 209-7A, 209-7B, 210-1, 210-2, 210-3, 210-4, 210-5A, 210-5B, 210-5C, 210-5D, 210-6, 210-7A, 210-7B, 210-8, 210-9, 210-10, 211-1A, 211-1B, 211-2, 211-3A, 211-3B, 211-3C, 211-5A, 211-5B, 211-5C, 211-5D, 211-6, 211-7A, 211-7B, 211-7C, 211-7D, 211-7E, 211-7F, 211-8A, 211-8B, 211-9A, 211-9B, 211-9C, 211-9D of Mambakkam Village Sriperumbudur Taluk, Kancheepuram District, Schedule B - 8(b)-Townships and Area Development Projects - Tamil Nadu over an extent of 74.76 Ha (184.66 Acres).

1. Earlier proponent has applied for ToR and the project was taken for appraisal during 168th SEAC meeting for ToR on 05/08/2020 and 397th SEIAA meeting held on 21/09/2020. The project was recommended for ToR as per the MoM of 397th meeting vide Letter No. SEIAA-TN/F.No 7652/SEAC/8(b)/ToR-766/2020 dated.23/09/2020. ToR was obtained by the proponent vide Lr.No.SEIAA-TN/F.No.7652/SEAC/ 8(b)/ToR-766/2020 dated:23.09.2020.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

2. The proposed project is under schedule 8(b) – category B1 as per the EIA Notification 2006 and its amendments. Public Hearing is not applicable for the project. The same is mentioned in the ToR dated 23rd September, 2020.
3. As per ToR application the total land area was 87.51 Ha (216.14 Acres). Now during EIA stage, the area is reduced to 74.76 Ha (184.66 acres). The project area was reduced due to the deletion of 0.225 ha of poramboke land (Salai at SF.No.120/2B) from GO (Ms) No.138 dated 08.07.2008 and also by deletion of 12.52 ha of additional lands due to administrative reasons. Accordingly, in the EIA report the land extent was considered as 74.76 ha (71.585 ha of patta land and 3.175 ha of poramboke land).
4. On perusal of survey numbers mentioned in the ToR issued it was noticed that the following survey numbers 120/2B, 131/1, 216-1, 216-2, 216-3, 216-6, 216-7, 216-8, 216-9, 216-10, 216-11A, 216-11B, 216-12, 216-13, 216-14, 216-15, 217-1, 217-2, 217-3, 217-4, 217-5, 217-6, 217-7, 217-8, 217-9, 217-10, 217-11, 218-1 Pt, 218-2A, 218-2B Pt, 219-1 Pt, 219-2A Pt, 219-2B Pt, 219-15 Pt, 219-16, 219-17 Pt, 219-18 Pt, 219-19, 219-20, 221-2 Pt, 221-3, 211-4A, 221-4B, 221-5, 221-6 Pt, 221-7 Pt, 221-9, 222-4 Pt, 222-5, 222-6 Pt, 222-7, 222-8, 222-9, 222-11B Pt, 222-11C Pt, 222-11D Pt, 222-12A, 222-12B, 222-13A, 222-13B, 227-4 Pt, 227-5 Pt, 227-6 Pt, 227-7 Pt, 227-9Pt, 227-10, 227-11A, 227-11B, 228-4A, 228-4B, 228-5 were found to be removed and S.F.No.132/1 was added in the EC application.
5. Now the proponent has applied for EC through online vide proposal No. SIA/TN/MIS/67813/2020 Dated: 23.09.2021. The Project Proponent has submitted the compliance of the conditions stipulated in the Terms of Reference along with the EIA/EMP report with revised water balance and sewage quantity and solid wastes quantity.
6. As per the EIA Notification 2006 and its amendments the project is termed under Schedule 8 (b), Category B, since the area of Industrial Park is < 500 hectare and not housing any industry of Category A or B. As reported, the Industrial Park is proposed to accommodate only Electronics/Electrical


MEMBER SECRETARY
SEAC -TN

13


CHAIRMAN
SEAC- TN

Industries which do not fall under the purview of EIA Notification 2006 and its subsequent amendments.

7. 100% of the plotted area 125.52 Acres (50.81 Ha) is proposed to be allotted for Electronics & Electrical parts manufacturing and assembling industries falling under Red, Orange, Green & White category industries. Total number of plots proposed for the Industrial Park is 24.
8. As per the land documents, administrative sanction was accorded by the Government for the following :
 - (i) Acquisition of 38.54.0 hectares of patta dry lands and alienation of 2.02.5 hectares of poramboke lands (totaling 40.56.5 hectares) at Mambakkam Village Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu vide G.O. (Ms.) No.138 Industries (SIPCOT-LA) Department dated:08.07.2008.
 - (ii) Acquisition of 34.00.0 hectares of patta dry lands and alienation of 1.37.5 hectares of grazing ground poramboke and Vaikkal poramboke land (totaling 35.37.5 hectares) at Mambakkam Village Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu vide G.O. (Ms.) No.1 Industries (SIPCOT-LA) Department dated: 02.01.2009.
 - (iii) Acquisition of 9.06.5 hectares of dry land at Mambakkam Village Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu vide G.O. (Ms.) No.148 Industries (SIPCOT-LA) Department dated:07.12.2016.
 - (iv) PP has also furnished acknowledgment letter obtained from Special Tahsildar vide letter dated 07.11.2008 for reduction of 0.39.5 hectares of land from G.O. (Ms.) No.138 Industries (SIPCOT-LA) Department dated: 08.07.2008.
9. The centre coordinates lies at Latitude: 12°55'30.69"N & Longitude: 79°53'52.66"E
10. As per ToR application during Operation phase, Total water requirement was 2831 KLD. Fresh water requirement -200 KLD, TTRO water requirement - 1127.5 KLD and recycled water - 1503.5 KLD. The reduction in water requirement is due to reduction in 31.48 Acres of land for the project.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

11. During operational phase, total water requirement is about 1637 kLD. Out of which, Fresh water requirement is 168 kLD , 870 kLD is TTRO water and 599 kLD is Recycled water. PP has furnished letter obtained from the Government vide G.O.(Ms) No. 134 dated 31.03.1997 for the fresh water supply of 5 million cubic feet per day from Chembarambakkam Lake. PP has also furnished letter obtained from CMWSSB vide letter dated 13.04.2020 for supply of 45 MLD TTRO water.
12. Effluent Generation – 368 kLD, Sewage Generation – 235 kLD. (Effluent Treatment Plant – 450 kLD, Sewage Treatment Plant – 275 kLD)
13. The Treated Effluent (364 kLD) will be treated by individual industries and reused for Process and Utilities. The Treated Sewage (235 kLD) will be treated by individual industries and reused for Greenbelt Development. Further TTRO water (870 kLD) will be used for Greenbelt Development (689 kLD), Flushing (84 kLD) and Process (97 kLD).
14. Greenbelt area – 65.21 acres (26.40 Ha with 37.65% of developable area)
15. Government of Tamil Nadu has permitted SIPCOT to use OSR as Green Belt vide G.O. (Ms).No.157 Housing and Urban Development [UD4(3)] Department dated: 28.08.2017.


Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The project proponent shall continuously operate and maintain the Sewage treatment plant & Grey Water Treatment Plant to achieve the standards prescribed by the TNPCB/CPCB.
2. The project proponent shall furnish agreement between IOCL and SIPCOT to SEIAA before obtaining EC.
3. The project proponent shall inform DISH about development of SIPCOT near gas pipeline and mock drill shall be conducted along with SIPCOT agency and report of the same shall be submitted to SEIAA before obtaining EC.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

4. Since gas pipeline is crossing, the project proponent shall submit NOC obtained from PESO to SEIAA before obtaining EC.
5. The project proponent shall submit flood inundation certificate and shall fix the level according to the conditions issued in the certificate.
6. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to TNPCB.
7. The height of the stacks of DG sets shall be provided as per the CPCB norms.
8. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
9. The proponent shall make proper arrangements for the disposal of the treated water from the proposed site for Toilet flushing, green belt development & OSR and no treated water be let out of the premises.
10. The sludge generated from the Sewage Treatment Plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.
11. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
12. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
13. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper spacing as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the

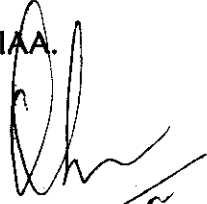

MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.

14. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed.
15. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
16. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
17. No waste of any type to be disposed off in any other way other than the approved one.
18. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.
19. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
20. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
21. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
22. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
23. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP and revised CER shall be furnished before placing the subject to SEIAA.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

24. As accepted by the PP the revised CER cost of Rs.5 crore shall be spent with activities, particularly creation of Environment centre in school, revamping School building/Construction/Maintenance of School building, construction of Girls toilet with 24/7 water facility, providing sanitary napkin along with Incinerator for the disposal (if applicable), tree plantation in consultation with concerned Government school HM located in Mambakkam Village before obtaining CTO from TNPCB.

Agenda No:242 -05.

(File No: 8747/2022)

Proposed Sand Quarry over an extent of 4.90.0 Ha located at S.F. No. 1A(P), Koviladi (Sukkambur) Village, Budhalur Taluk, Thanjavur District –Tamil Nadu by the Executive Engineer, PWD/WRD– For Environmental Clearance.


(SIA/TN/MIN/ 206032/2021 dated:11.08.2021)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for Environmental Clearance for the proposed Sand Quarry over an extent of 4.90.0 Ha located at S.F. No. 1A(P) Koviladi(Sukkambur) Village, Budhalur Taluk Thanjavur District, Tamil Nadu.
2. The project/activity is covered under Category “B2” of Item 1(a) “Mining of Minerals Projects” of the Schedule to the EIA Notification, 2006.

Based on the presentation and documents furnished by the project proponent, SEAC decided to make an on- site - spot inspection to assess the status of the site by the sub-committee constituted by the SEAC, as per affidavit submitted by SEIAA-TN to Hon. NGT (SZ).”


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No:242 -06.

(File No: 8748/2022)

Proposed Sand Quarry in over an extent of 4.90.0 Ha at S.F.No. 35/6(P), Nadupadugai Village, Papanasam Taluk, Thanjavur District, Tamil Nadu by the Executive Engineer, PWD/WRD- For Environmental Clearance.

(SIA/TN/MIN/224195/2021 dated:11.08.2021)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (parivesh. nic.in).

The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for Environmental Clearance for the proposed Sand Quarry over an extent of 4.90.0 Ha at S.F.No. 35/6(P), Nadupadugai Village, Papanasam Taluk, Thanjavur District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and documents furnished by the project proponent, SEAC decided to make an on- site - spot inspection to assess the status of the site by the sub-committee constituted by the SEAC, as per affidavit submitted by SEIAA-TN to Hon. NGT (SZ)."

Agenda No.242-7

(File No: 8783/2022)

Proposed Development of Industrial Park at Virudhunagar in an area of 403.50 Ha. (996.65 Acres) located at E.Kumaralingapuram S.F.No.67, 68/1, 68/2, 69/1, 69/2, 69/3, 69/4, 71/1, 71/2, 71/3, 71/4. E.Muthulingapuram S.F.No.7/1, 7/2, 7/3, 7/4, 7/5, 7/7A, 8/1, 8/2, 8/3, 8/4, 8/5A, 8/6A, 9, 10/1, 10/2, 10/3, 10/5A, 10/5B, 10/7, 11/1, 11/2, 11/3, 91/1, 91/2, 91/3, 91/4, 91/5, 91/6, 91/7, 91/8, 91/9, 91/10, 91/11, 91/12, 92/1, 92/2, 92/3, 92/4, 92/5, 92/6, 93/1, 93/2, 93/3, 93/4, 94/1, 94/2, 94/3, 105/1, 105/2, 105/3A, 105/3B, 105/3C, 105/4, 105/5, 105/6A, 105/6B, 106/1, 106/2, 106/3, 106/5A,


MEMBER SECRETARY
SEAC -TN

19


CHAIRMAN
SEAC- TN


106/5B, 106/6, 106/7, 106/8, 106/9, 106/10, 106/11, 106/12, 106/13, 107/1, 107/2, 107/3, 107/4A, 107/4B, 107/5, 107/6, 107/7, 107/8, 108/1, 108/2, 108/3, 108/4, 108/5A, 108/5B, 108/6, 109/1, 109/2, 109/3A, 109/3B, 109/4, 109/5, 109/6, 109/7, 109/8, 109/9, 110/1, 110/2, 110/3A, 110/3B, 110/4, 110/5, 110/6, 110/7, 110/8, 110/9, 110/10, 110/11, 110/12, 110/13, 111/1, 111/2, 111/3, 111/4, 112/1, 112/2, 112/3, 112/4A, 112/4B, 112/5, 112/6, 113/1, 113/2, 113/3A, 113/3B, 113/3C, 113/4A, 113/4B, 113/5, 114/1, & Thulukkapatti Village, Sattur & Virudhunagar Taluk, Virudhunagar District – Tamil Nadu - For Terms of Reference.

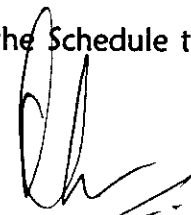
(SIA/TN/MIS/67246/2021 dated: 03.09.2021)

The SEAC noted the following:

1.The Project the proponent M/s.State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) has applied for seeking Terms of Reference for the Proposed Development of Industrial Park at S.F.No.67, 68/1, 68/2, 69/1, 69/2, 69/3, 69/4, 71/1, 71/2, 71/3, 71/4. E.Muthulingapuram S.F.No.7/1, 7/2, 7/3, 7/4, 7/5, 7/7A, 8/1, 8/2, 8/3, 8/4, 8/5A, 8/6A, 9, 10/1, 10/2, 10/3, 10/5A, 10/5B, 10/7, 11/1, 11/2, 11/3, 91/1, 91/2, 91/3, 91/4, 91/5, 91/6, 91/7, 91/8, 91/9, 91/10, 91/11, 91/12, 92/1, 92/2, 92/3, 92/4, 92/5, 92/6, 93/1, 93/2, 93/3, 93/4, 94/1, 94/2, 94/3, 105/1, 105/2, 105/3A, 105/3B, 105/3C, 105/4, 105/5, 105/6A, 105/6B, 106/1, 106/2, 106/3, 106/5A, 106/5B, 106/6, 106/7, 106/8, 106/9, 106/10, 106/11, 106/12, 106/13, 107/1, 107/2, 107/3, 107/4A, 107/4B, 107/5, 107/6, 107/7, 107/8, 108/1, 108/2, 108/3, 108/4, 108/5A, 108/5B, 108/6, 109/1, 109/2, 109/3A, 109/3B, 109/4, 109/5, 109/6, 109/7, 109/8, 109/9, 110/1, 110/2, 110/3A, 110/3B, 110/4, 110/5, 110/6, 110/7, 110/8, 110/9, 110/10, 110/11, 110/12, 110/13, 111/1, 111/2, 111/3, 111/4, 112/1, 112/2, 112/3, 112/4A, 112/4B, 112/5, 112/6, 113/1, 113/2, 113/3A, 113/3B, 113/3C, 113/4A, 113/4B, 113/5, 114/1, & Thulukkapatti Village, Sattur & Virudhunagar Taluk, Virudhunagar District, Tamilnadu.

2.The Project/activity is in land area of 403.50 Ha. (996.65 Acres) under category "B1" of Item 8(b)-Townships and Area Development Projects of the Schedule to the EIA Notification, 2006.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Terms of Reference subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The project proponent shall obtain the approval from the competent authority for the extraction of Groundwater.
2. The project proponent shall create and monitor Environmental Management Cell.
3. The project proponent shall take fresh base line data for the study.
4. The project proponent shall comply Wet land Management Rules, 2017.
5. The project proponent shall furnish a detailed study analysis of Ayacut.
6. The project proponent shall study in detail about the PWD tank and other water bodies.
7. All industries in the SIPCOT should not store inflammable materials. The SIPCOT shall furnish the plan for the same.
8. The salt shall not be disposed to TSDF and it should be scientifically disposed and disposal plan shall be submitted.
9. The contour levels of the proposed site shall be measured and contour map shall be furnished. The project Proponent shall furnish the detailed water balance as per the MoEF & CC guidelines.
10. The project Proponent shall furnish 'A' register, Village map with FMB sketch to check the contiguous nature of the site.
11. The Proponent shall carryout a Cumulative impact study for soil, water, air etc, and the same may be furnished in the report.
12. A detailed storm water plan to drain out the water from site shall be prepared in accordance with the contour levels of the proposed project site


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

considering the flood occurred in the year 2015 and also considering the surrounding development.

13. Storm water drain should be utilized inside the premises and there should not be any discharge out of the plant and plan shall be submitted accordingly.

14. The layout plan for the greenbelt area shall be earmarked with GPS coordinates by the project proponent on the periphery of the site and the same shall be submitted to CMDA/DTCP for approval. It is the responsibility of the SIPCOT to have 33% green belt.

15. The proponent shall list out all the commercial activities planned in the SIPCOT area.

16. The SIPCOT shall provide a hospital facility in industrial housing area.

17. The proponent shall fix separate compound between factory and residences. Minimum distance as per guidelines should be there between factory and residence.

18. The space allotment for solid waste disposal (5% of the area) and sewage treatment shall be furnished.

19. Details of Solid Waste management plan shall be prepared as per Solid waste management Rules, 2016 by SIPCOT and shall be furnished.

20. Details of Rainwater harvesting system proposed should be furnished and the water shall be used for other beneficial purpose so that fresh water utilization is reduced.

21. The Proponent shall assess and include the Solid waste Generation and Hazardous waste Generation due to the expired chemicals.

22. The Proponent shall carry out the AAQ & ANL survey in minimum six places & minimum 6 ground water samples of Surface Water Quality to be analyzed.

23. The Proponent shall carry out the Traffic Study at minimum two locations.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

24.The Proponent shall carry out the assessment and modeling study on Fugitive Emission and analysis the impact of the same.

25.The proponent shall use green technology, renewable energy at least 20% should be of solar energy.

Agenda No.242-8

(File No: 7937/2022)

Proposed Gravel Quarry over an extent of 1.93.0 ha in S.F.No. 3/4, 3/5, 9/2A & 9/2B, Rachandar Thirumalai Village, Kullithalai Taluk, Karur District. Tamil Nadu by Thiru.P.Kalivarathan for Envionmental Clearance.

(SIA/TN/MIN/179098/2020, Dt:16.10.2020)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic. in).

The SEAC noted the following:

1. The Project proponent Thiru.P.Kalivarathan has applied for Envionmental Clearance for Proposed Gravel Quarry over an extent of 1.93.0 ha in S.F.No. 3/4, 3/5, 9/2A & 9/2B, Rachandar Thirumalai Village, kulithalai Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the three years states that the total quantity of recoverable as 25,540 cu.m of Gravel should not exceed for the ultimate depth of mining is 2m below ground level.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the standard condition mentioned in the Annexure of this minutes and normal conditions stipulated by MOEF &CC, in addition to the following specific conditions,


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

1. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP and revised CER as below shall be furnished before placing the subject to SEIAA.
2. As accepted by the Project Proponent the revised CER cost is Rs. 0.75 lakhs and the amount shall be spent for activities of (1) construction/renovation of Girls toilet with 24/7 water facility, (2) providing free supply of sanitary napkins for three months to adult girl students through the Headmaster, (3) installation of incinerator in the Girls toilet for safe disposal of sanitary napkins and (4) tree plantation in school in consultation with concerned Government school HM located in Rachandar Thirumalai Village before obtaining CTO from TNPCB.

Agenda No.242-9

(File No: 7772/2022

Proposed Manufacturing Unit of Polyester Resins and Formulated Products at Shed No.7, SIDCO Industrial Estate, Kakkalur , Thiruvallur Taluk, Thiruvallur District, Tamil Nadu by M/s. Sri Balaji Resins & Polymers - For Environmental Clearance.

(SIA/TN/IND2/55884/2020) dated 24.08.2020)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given in the website (Parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Sri Balaji Resins & Polymers -has applied for Environmental Clearance for the proposed Manufacturing Unit of Polyester Resins capacity of 72TPM and formulated products 4TPM by at Shed No.7, SIDCO Industrial Estate, Kakkalur, Thiruvallur Taluk, Thiruvallur District, Tamil Nadu
2. The project/activity is covered under Category "B1" of Item 5(f) "synthetic Organic chemicals" of the Schedule to the EIA Notification, 2006.
3. TOR issued by SEIAA-TN vide Lr. No. SEIAA-TN/F.No./7772/SEAC/TOR-789/2020 Dt:11.12.2020.
4. EIA report submitted on 06.02.2021.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. Necessary permission letter for the supply of water shall be obtained from the competent authority before obtaining CTO from TNPCB.
2. The proponent shall install and maintain elevated solar pan evaporator.
3. The salt shall not be disposed to TSDF and it should be scientifically disposed and disposal plan shall be submitted.
4. The proponent shall continuously operate and maintain adequate Air-pollution control measures for the process area.
5. The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.
6. The proponent shall obtain and maintain valid safety licenses for the concerned department for boiler, solvent/fuel/raw material storage areas etc.
7. The proponent shall ensure that the area earmarked for the boiler, further the proponent may submit the safety measures on the same to TNPCB before obtaining CTO.
8. The proponent shall strictly follow the norms and guidelines mentioned in the Hazardous waste (Management) Rules, 2016 for the handling and disposal of Hazardous waste to be generated.
9. The proponent shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/equipment/utilities for operation & maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating zones of the plant at least once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

the same along with timeline for implementation of the said recommendations to the concerned departments.

10. A detail report on the safety measure and health aspects including periodical audiometry, pulmonary lung function etc. test reports once in a year for all the workers shall be submitted to TNPCB.
11. As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.
12. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities as proposed in the CER and furnish the same before placing the subject to SEIAA.

Agenda No: 242-10

(File No: 6443/2022)

Proposed Expansion of Steel Melting Plant from 1,42,000 TPA to 2,88,000 TPA of MS Billets and 2,50,000 TPA of TMT Bars located at Plot No. B-1/S, 39-52,B1/S part, SIPCOT Industrial Complex, Pappankuppam Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu by M/s. ARS steels and Alloy International Private Limited - For Environmental Clearance.

(SIA/TN/IND/59690/2017 dated 06.01.2021)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given in the website (Parivesh.nic.in).

The SEAC noted the following:

1. The project proponent proposes an Expansion of Steel Melting Plant from 1,42,200 TPA to 2,88,000 TPA of MS Billets and 2,50,000 TPA of TMT Bars


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

at Pappankuppam Village, SIPCOT Industrial Complex, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu.

2. ToR issued by SEIAA-TN vide Lr.No.SEIAA-TN/F.No.6443/2017/3 (a)/ ARS/ToR-494/2018 dated: 08.06.2018.
3. Amendment ToR-I issued by SEIAA-TN vide Lr.No.SEIAA-TN/F.No.6443/ 2017/3 (a)/ARS/A/ToR-494/2018 dated: 17.06.2019.
4. Amendment ToR-II issued by SEIAA-TN vide Lr.No.SEIAA-TN/F.No.6443/ 2017/3 (a)/ARS/B/ToR-494/2018 dated: 19.08.2019.
5. Public hearing was conducted on 27.11.2020.

Based on the presentation and documents furnished by the project proponent, SEAC observed the following;

1. Pulicat Eco-sensitive Zone is located at a distance of 6.48 km, N, the project proponent shall obtain a No objection certificate from Wild Life Warden, Chennai.
2. The project proponent shall submit certified compliance report for the EC obtained earlier
3. 4 Nos of Ambient air quality monitoring (AAQM) stations shall be set up as per statutory requirement. The locations of ambient air quality monitoring stations shall be decided in consultation with the Tamil Nadu Pollution Control Board and it shall be ensured that maximum numbers of stations to be installed in the up wind direction and same shall be connected to CARE AIR centre in TNPCB for online monitoring.
4. The proponent shall furnish revised CER as per OM dated 13.09.2020 & 20.10.2020 .
5. The proponent shall furnish a certificate from a senior official of SIPCOT, not below the rank of GM on the distance between the proposed site and the nearest inter-State boundary.
6. The proponent shall furnish an adequacy report on the efficiency of the revamped APC measures by either IIT, Madras or Anna University.


MEMBER SECRETARY
SEAC -TN

27


CHAIRMAN
SEAC- TN

On receipt of the aforesaid details, SEAC would further deliberate on this project and decide the further course of action.

Agenda No:242 -11.

(File No: 7406/2022)

Proposed Rough Stone and Gravel Quarry over an extent of 1.00.0Hectare at S.F.No.519/1(P), Myvadi Village, Madathukulam Taluk, Tiruppur District, Tamil Nadu by Thiru.K.Maheswaran - For Environmental Clearance.


(SIA/TN/MIN/132336/2019, 19.12.2019)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (Parivesh. nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.K.Maheswaran has applied for Environmental Clearance Proposal for Rough Stone and Gravel Quarry over an extent of 1.00.0Hectare at S.F.No.519/1(P), Myvadi Village, Madathukulam Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the five years states that the total quantity of recoverable as 58,215 cu.m of rough stone & 4588 cu.m of Gravel and the ultimate depth of mining is 32m below ground level.

Based on the presentation and documents furnished by the project proponent, SEAC noted that there was no fencing around the existing mine. In view of the location of a school nearby, the Committee directed the proponent to complete fencing and report the fact to the Committee. Hence the project is deferred.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No:242 -12.

(File No: 8039/2022)

Proposed Change in Product Mix and Enhancement of production capacity within the existing facility by M/s. Sun Pharmaceutical Industries Ltd located at SF.No.90/2, 90/3, 90/4, 99/1, 99/2, 99/3, 99/4, 99/5, 100/1, 100/2A, 100/2B, 100/3, Sathammal Village, Karunkhuzhi Post, Madhuranthagam Taluk, Kanchipuram District, Tamil Nadu - For Environmental Clearance.

(SIA/IND2/155205/2020 dated 13.11.2020)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (Parivesh.nic.in).

The SEAC noted the following:

1. Proposed M/s. Sun Pharmaceutical Industries Ltd has proposed to change the Product Mix in its existing facility located at SF.No.90/2, 90/3, 90/4, 99/1, 99/2, 99/3, 99/4, 99/5, 100/1, 100/2A, 100/2B, 100/3, Sathammal Village, Karunkhuzhi Post, Madhuranthagam Taluk, Kanchipuram District, Tamil Nadu .
2. The project/activity is covered under Category "B1" of Item 8(b) "Township & Area Development" of the Schedule to the EIA Notification, 2006.
3. TOR issued by SEIAA-TN vide Lr. SIA/IND2/155205/2020 dated 13.11.2020
4. EIA report submitted on 26.08.2021.

The SEAC noted that the project proponent has not attended the meeting. The project proponent shall furnish reason for not attending the meeting.

Agenda No:242 -13.

(File No: 8660/2022)

Proposed Black Granite (Dolerite) Quarry over an extent of 1.24.5 Hectare at at S.F.No: 283/1B, 284/3, 284/6A & 277/4B Adhikarapatty Village, Pappireddipatty Taluk,


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Dharmapuri District, Tamil Nadu by M/s. Sunshine Enterprises Pvt Limited - For Environmental Clearance.

(SIA/TN/MIN/218403/2021 dated 21.07.2021)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (Parivesh.nic.in)

The SEAC noted the following:

1. The Project Proponent of M/s. Sunshine Enterprises Pvt Limited has applied for Environmental Clearance Proposal for quarrying of Black Granite Quarry over an Extent of 1.24.5Ha at S.F.No: 283/1B, 284/3, 284/6A & 277/4B Adhikarapatty Village, Pappireddipatty Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and documents furnished by the project proponent, SEAC decided to obtain the following details,

1. Since one house is located at a distance of 15m, the Project Proponent shall obtain Certificate from Director of Mines Safety.
2. The project proponent shall submit certified compliance report for the EC obtained earlier.

Also the SEAC decided to make an on- site - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC. On receipt of the aforesaid details and Inspection report, SEAC would further deliberate on this project and decide the further course of action.

Agenda No:242 -14.

(File No:8664/2022)

Proposed Black Granite(Dolerite) quarry over an Extent of 2.58.0 Ha of Govt. Poramboke land in S.F.No. 223/B (part) Bit-1 of Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by Thiru. M. Dhanraj - For Environmental Clearance


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

(SIA/TN/MIN/221120/2021 dated: 21.07.2021)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (Parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. M. Dhanraj has applied for seeking Environmental Clearance for the proposed Black Granite quarry over an Extent of 2.58.0 Ha of Govt. Poramboke land in S.F.No. 223/B (part) Bit-1 of Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the five years states that the total quantity of recoverable as 21,875 m³ (ROM) of Black Granite Reserves @ 10 % recovery is 2,187.5 m³ and Granite Waste @ 90% is 19,687.5 m³, Side Burden – 17,700 m³, Weathered Rock – 23,160 m³ and Top soil – 12,628m³ and the ultimate depth of mining is 23m below ground level.

Based on the discussion and document furnished by the project proponent, SEAC noted that the Ministry of Mines. Gol vide order Dt: 03.06.2020 has issued certain guideline for auction of mineral blocks on Government land for pre-embedded clearance for mining project. This proposal is also in the Govt land take on lease through a tender process.

Earlier, SEAC has sought a clarification through SEIAA to MoEF&CC and in this regard and the same is awaited. Hence the SEAC decided to take up this proposal after getting the clarification.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No:242 -15.

(File No: 8674/2022)

Proposed Rough Stone and Gravel quarry lease area over an extent of 2.90.50Ha at S.F.Nos. 31/1, 31/2, 31/3, 31/4, 31/5A, 31/5B, 31/5C, 31/5D, 32/1A, 32/1B, 32/2, 32/3, 32/4A, Vadikottai village, Sankarankovil Taluk, Tenkasi District, Tamil Nadu by Thiru.G. Chelladurai - For Environmental Clearance.

(SIA/TN/MIN/221834/2021, dated: 26.07.2021)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.G.Chelladurai, has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease area over an extent of 2.90.50Ha at S.F.Nos.31/1, 31/2, 31/3, 31/4, 31/5A, 31/5B, 31/5C, 31/5D, 32/1A, 32/1B, 32/2, 32/3, 32/4A, Vadikottai village, Sankarankovil Taluk, Tenkasi District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the five years states that the total quantity of recoverable as 3,54,000m³ of rough stone & 41,068m³ of gravel upto a depth of 32m below ground level.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the standard condition mentioned in the Annexure of this minutes and standard conditions stipulated by MOEF &CC, in addition to the following specific conditions,


MEMBER SECRETARY
SEAC -TN

32


CHAIRMAN
SEAC- TN

1. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP and revised CER as below shall be furnished before placing the subject to SEIAA.
2. As accepted by the Project Proponent the revised CER cost is Rs. 2 lakhs and the amount shall be spent for activities of (1) construction/renovation of Girls toilet with 24/7 water facility, (2) providing free supply of sanitary napkins for three months to adult girl students through the Headmaster, (3) installation of incinerator in the Girls toilet for safe disposal of sanitary napkins and (4) tree plantation in school in consultation with concerned Government school HM located in Vadikottai Village before obtaining CTO from TNPCB.

Agenda No:242 -16.

(File No: 8703/2022)

Proposed Rough Stone quarry lease area over an extent of 1.93.5Ha at S.F.Nos.802, Padmanabamangalam Village, Srivaikuntam Taluk, Thoothukudi District, Tamil Nadu by Thiru.T.Vijay - For Environmental Clearance.

(SIA/TN/MIN/223654/2021, dated: 07.08.2021)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.T.Vijay, has applied for Environmental Clearance for the proposed Rough Stone quarry lease area over an extent of 1.93.5Ha at S.F.Nos.802, Padmanabamangalam Village, Srivaikuntam Taluk, Thoothukudi District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1 (a) Mining of


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Minerals Projects” of the Schedule to the EIA Notification, 2006.

3. The production for the two years Ten months states that the total quantity of recoverable as 34,298m³ of rough stone upto a maximum depth of 32m below ground level.

Based on the presentation and documents furnished by the project proponent, SEAC noted Vallanadu Black Buck Sanctuary is located about 1.40 km – NW. Since Black buck is highly endangered species, mining in this area would will have adverse effect on the life of black buck which is an endangered animal (schedule 1). Article 51E says environmental protection and protecting animal is the duty of every citizen.

The Committee decided that the proposed mining activity and the attended air and noise pollution and vibration generated will disturb the eco system and detrimental to the survival of the highly endangered Black Buck population in the area. Hence the Committee decided not to recommend environmental clearance for the proposal.

Report by Ex-committee member Mr.B.Sugirtharaj Kovilpillai

Dear Sir / Madam,

Vallanadu Blackbuck Sanctuary is the southernmost abode of blackbucks in India. This sanctuary houses varieties of animals and plants. The fauna of Vallanadu Blackbuck Sanctuary includes blackbuck, spotted deer, sambar, scaly ant eater, monitor lizard, jungle cat, grey mongoose, black naped hare, vipers, peacock, heron, grey francolin, common quail, crested hawk eagle, black winged kite, red wattled lapwing, night jar, sparrows, homed owl etc. This is an isolated hillock with scrub jungle.

This sanctuary is dedicated for the conservation of blackbuck an endangered animal, found in the red data book of IUCN and included in schedule I of Wildlife Protection Act, 1972.

Blackbucks require open grassland with intermittent bushes. They are sensitive


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

to environmental pressures and adequate land is required for their survival. The limited space available in the sanctuary along with scarcity of food and water especially during summer poses a great threat for their survival. The blackbucks have regular habit of coming out of the sanctuary and graze in the wastelands on the eastern and western sides outside the sanctuary.

Under these circumstances, I request to consider the points mentioned in the research papers,

1. *"Conservation of a fragmented population of blackbuck" published in Current Science, Vol. III, No. 3, 10th August 2016.*

"In VBS blackbucks were seen spending the night in the grass fallow outside and move towards the forests only when disturbance levels increased in the outside areas. It therefore appears that the preferred habitat lies in the eastern fallow outside the VBS." (Pg.547)

"Moreover, the land use further away from the fallow is highly urbanized, and industrialized due to the presence of quarries." (Pg.547)

"There are increasing evidences to this, as blackbucks are frequently seen 5 km away from VBS along main roads and also in private farms and near irrigation tanks." (Pg.548)

2. *"Distribution patterns and habitat requirements of blackbucks in Vallanadu Blackbuck Sanctuary implications for conservation and management." published in Indian Forester, 140 (10) : 1005-1013, 2014.*

"Most of the herds (blackbucks) were seen in the open fallow grasslands on the eastern side of the sanctuary." Pg.1008

"A few perennial sources outside the reserve were mostly visited by domestic livestock, but, also frequented by blackbuck." Pg.1008

"The open fallow (grassland) outside the eastern edge of VBS offers water and forage and good staging sites for the males but not adequate protection. This patch of open fallow land is an island of about 3 sq km surrounded by activities such as mining, real estate and proposed

highway construction." Pg.1011

"The open fallow grasslands may serve as important breeding areas of the Buck and needs to be conserved alongside the sanctuary." Pg.1012

"These areas are however, coming in conflict with quarrying activities, which are creating continuous disturbances to the blackbuck." Pg.1012

These research papers clearly mention that blackbucks move upto 5 km outside the sanctuary on the eastern side and mining activities will have a disastrous effect on blackbucks.

Hence SEAC has decided not to recommend the proposal.

Agenda No:242 -17.

(File No: 8399/2022)

Proposed Rough Stone and Gravel quarry lease area over an extent of 2.61.0Ha at S.F.Nos.1423/1,1423/2(part), Venkadampatti part-II village, Alangulam Taluk, Tenkasi District, Tamil Nadu by Thiru.S.P.Baskar - For Environmental Clearance.

(SIA/TN/MIN/199379/2021, dated: 25.02.2021)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.S.P.Baskar, has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease area over an extent of 2.61.0Ha at S.F.Nos. 1423/1, 1423/2(part) Venkadampatti part-II Village, Alangulam Taluk, Tenkasi District, Tamil Nadu.

2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Minerals Projects” of the Schedule to the EIA Notification, 2006.

3. The production for the five years states that the total quantity of recoverable as 2,91,650m³ of rough stone & 1,29,120m³ of gravel upto a maximum depth of 36m below ground level.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the standard condition mentioned in the Annexure of this minutes and normal conditions stipulated by MOEF &CC, in addition to the following specific conditions,

1. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP and revised CER as below shall be furnished before placing the subject to SEIAA.
2. As accepted by the Project Proponent the revised CER cost is Rs. 3 lakhs and the amount shall be spent for activities of (1) construction/renovation of Girls toilet with 24/7 water facility, (2) providing free supply of sanitary napkins for three months to adult girl students through the Headmaster, (3) installation of incinerator in the Girls toilet for safe disposal of sanitary napkins and (4) tree plantation in school in consultation with concerned Government school HM located in Venkadampatti Village before obtaining CTO from TNPCB.

Agenda No:242 -18.

(File No: 8630/2022)

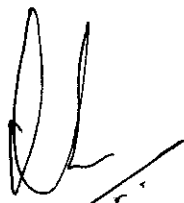
Proposed Gravel quarry lease area over an extent of 2.20.00Ha at S.F.Nos. 89/4,5,13,14,15,16,17B,90/1A,1B,1C,90/2,3,5,6,7,8,9A&90/9B,

Malayagoundanpatti village, Nilakottai Taluk, Dindigul District, Tamil Nadu by Thiru.S.Alagarsamy - For Environmental Clearance.

(SIA/TN/MIN/218342/2021, dated: 06.07.2021)


MEMBER SECRETARY
SEAC -TN

37


CHAIRMAN
SEAC- TN

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

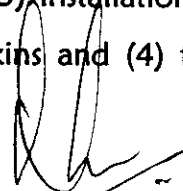
The SEAC noted the following:

1. The project proponent, Thiru.S.Alagarsamy, has applied for Environmental Clearance for the proposed Gravel quarry lease area over an extent of 2.20.00Ha at S.F.Nos. 89/4,5,13,14,15,16,17B,90/1A,1B,1C,90/2,3,5,6,7,8,9A&90/9B, Malayagoundanpatti village, Nilakottai Taluk, Dindigul District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the two years states that the total quantity of recoverable as 16318cbm of gravel upto a depth of mining is 2m from the ground level.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the standard condition mentioned in the Annexure of this minutes and normal conditions stipulated by MOEF &CC, in addition to the following specific conditions,

1. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP and revised CER as below shall be furnished before placing the subject to SEIAA.
2. As accepted by the Project Proponent the revised CER cost is Rs. 0.5 lakhs and the amount shall be spent for activities of (1) construction/renovation of Girls toilet with 24/7 water facility, (2) providing free supply of sanitary napkins for three months to adult girl students through the Headmaster, (3) installation of incinerator in the Girls toilet for safe disposal of sanitary napkins and (4) tree


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

plantation in school in consultation with concerned Government school HM located in Malayagoundanpatti Village before obtaining CTO from TNPCB.

Agenda No:242 -19.

(File No: 7505/2022)

Proposed Rough Stone and Gravel quarry lease area over an extent of 1.100.0 Ha at S.F.No.1551/2(P) , Ponnivadi Village, Dharapuram Taluk, Tiruppur District, Tamil Nadu by Thiru.k.Jaysankar -For Environmental Clearance.

(SIA/TN/MIN/148121/2020, dated: 09.03.2020)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.K.Jaysankar, has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease area over an extent of 1.100.0 Ha at S.F.No.1551/2(P), Ponnivadi Village, Dharapuram Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification,2006.
3. The production for the five years states that the total quantity of recoverable as 69,035m³ of rough stone & 610m³ of gravel upto a maximum depth of 32m below ground level.

Based on the presentation and documents furnished by the project proponent, SEAC found that there was no fencing in the existing mine. Hence the project is deferred. The project proponent is requested to complete fencing and submit the fact to the Committee.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

On receipt of the aforesaid details, SEAC would further deliberate on this project and decide the further course of action.

Agenda No:242 -20.

(File No: 7682/2022)


Proposed Rough Stone and Gravel quarry lease area over an extent of 2.78.0Ha at S.F.No.216 of Chinnakamanpatti Village, Sathur Taluk, Virudhunagar District,TamilNadu by Thiru.J.Vinoth Jeni - For Environmental Clearance.

(SIA/TN/MIN/55004/2020, dated: 23.07.2020)

The proposal was placed for appraisal in this 242nd meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (parivesh. nic.in).


The SEAC noted the following:

1. The project proponent, Thiru.J.Vinoth Jeni, has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease area over an extent of 2.78.0 Ha at S.F.No.216 Chinnakamanpatti Village, Sathur Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Sr.hedule to the EIA Notification,2006.
3. TOR issued by SEIAA-TN vide Lr.No.SEIAA-TN/T.No.7682/SEAC/ToR- 771 /2020 Dated: 06.10.2020
4. Minutes of public hearing dt:06.08.2021
5. The production for the five years states that the total quantity of recoverable as 1,11,680m³ of rough stone, & 58520m³ of gravel upto a depth of 36m(1m Topsoil + 5m gravel+30m rough stone).


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Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the standard condition mentioned in the Annexure of this minutes and normal conditions stipulated by MOEF &CC, in addition to the following specific conditions,

1. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP and revised CER as below shall be furnished before placing the subject to SEIAA.
2. As accepted by the Project Proponent the revised CER cost is Rs. 0.5 lakh and the amount shall be spent for activities of (1) construction/renovation of Girls toilet with 24/7 water facility, (2) providing free supply of sanitary napkins for three months to adult girl students through the Headmaster, (3) installation of incinerator in the Girls toilet for safe disposal of sanitary napkins and (4) tree plantation in school in consultation with concerned Government school HM located in ~~Malayagoundanpatti~~ ^{Chinnelkamanpatti} Village before obtaining CTO from TNPCB. 
3. All the commitments made by the proponent during the Public Hearing, as per the minutes of Public Hearing should be implemented in total.

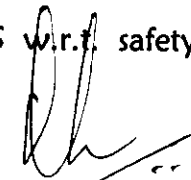

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ANNEXURE

1. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
4. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
5. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in


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mining operations shall be strictly adhered to maintain the stability of waste dumps.

6. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.
7. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
8. The Project Proponent shall carry out slope stability study by a reputed academic/research institution such as NIRM, IIT, Anna University for evaluating the safe slope angle if the proposed dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC, Govt. of India, Chennai as well as SEIAA, Tamilnadu.
9. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
10. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
11. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.


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12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
13. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
14. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities/Botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with CPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
15. The purpose of Green belt around the project is to capture the fugitive emissions and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wide range of indigenous plants species should be planted in and around the premise in consultation with the DFO, District / State Agriculture University. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. Miyawaki method of planting i.e. planting different types of trees at very close intervals may be tried which will give a good green cover. Greenbelt needs to be developed in the periphery of the mines area so that at the closure time the trees would have grown well.


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SEAC -TN


CHAIRMAN
SEAC- TN

- 16. Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
17. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
18. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
19. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.



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20. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
21. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
22. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
23. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
24. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
25. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
26. 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 informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.


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27. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
28. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
29. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
30. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A.No.186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No.758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).


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Appendix

List of Native Trees for Suggested for Planting

1. *Aegle marmelos* - Vilvam
2. *Adenaanthera pavonina* - Manjadi
3. *Albizia lebbeck* - Vaagai
4. *Albizia amara* - Usil
5. *Bauhinia purpurea* - Mantharai
6. *Bauhinia racemosa* - Aathi
7. *Bauhinia tomentosa* - Iruvathi
8. *Buchanania aillaris* - Kattuma
9. *Borassus flabellifer* - Panai
10. *Butea monosperma* - Murukka maram
11. *Bobax ceiba* - Ilavu, Sevvilavu
12. *Calophyllum inophyllum* - Punnai
13. *Cassia fistula* - Sarakondrai
14. *Cassia roxburghii* - Sengondrai
15. *Chloroxylon sweitenia* - Purasa maram
16. *Cochlospermum religiosum* - Kongu, Manjal Ilavu
17. *Cordia dichotoma* - Mookuchali maram
18. *Creteva adansonii* - Mavalalingum
19. *Dillenia indica* - Uva, Uzha
20. *Dillenia pentagyna* - Siru Uva, Sitruzha
21. *Diospyros ebenum* - Karungali
22. *Diospyros chloroxylon* - Vaganai
23. *Ficus amplissima* - Kal Itchi
24. *Hibiscus tiliaceous* - Aatru poovarasu
25. *Hardwickia binata* - Aacha


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26. *Holoptelia integrifolia* - Aayili
27. *Lannea coromandelica* - Odhiam
28. *Lagerstroemia speciosa* - Poo Marudhu
29. *Lepisanthus tetraphylla* - Neikottai maram
30. *Limonia acidissima* - Vila maram
31. *Litsea glutinosa* - Pisin pattai
32. *Madhuca longifolia* - Illuppai
33. *Manilkara hexandra* - Ulakkai Paalai
34. *Mimusops elengi* - Magizha maram
35. *Mitragyna parvifolia* - Kadambu
36. *Morinda pubescens* - Nuna
37. *Morinda citrifolia* - Vellai Nuna
38. *Phoenix sylvestre* - Eachai
39. *Pongamia pinnata* - Pungam
40. *Premna mollissima* - Munnai
41. *Premna serratifolia* - Narumunnai
42. *Premna tomentosa* - Purangai Naari, Pudanga Naari
43. *Prosopis cinerea* - Vanni maram
44. *Pterocarpus marsupium* - Vengai
45. *Pterospermum canescens* - Vennangu, Tada
46. *Pterospermum xylocarpum* - Polavu
47. *Puthranjiva roxburghii* - Puthranjivi
48. *Salvadora persica* - Ugaa Maram
49. *Sapindus emarginatus* - Manipungan, Soapu kai
50. *Saraca asoca* - Asoca
51. *Streblus asper* - Piraya maram
52. *Strychnos nuxvomica* - Yetti
53. *Strychnos potatorum* - Therthang Kottai
54. *Syzygium cumini* - Naval

55. *Terminalia bellerica* - Thandri
56. *Terminalia arjuna* - Ven marudhu
57. *Toona ciliate* - Sandhana vembu
58. *Thespesia populnea* - Puvarasu
59. *Walsura trifoliata* - valsura
60. *Wrightia tinctoria* - Vep

Finally, the meeting ended with thanks to the Chairman and members at 08.30 P.M.


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