

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 322nd meeting of the State Expert Appraisal Committee (SEAC) held on 19.10.2022 September 2022 (Wednesday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 322- 01

(File No:6439/2017)

Expansion in Production of Water based Latex Polymer from 40000 MTA to 70000 MTA & Latex Polymer cake from 407 MTA to 1462 MTA in two phase in existing Emulsion Plant by M/s. Dow Chemical International Private Limited located at Plot No. L-7, Sipcot Industrial Park (Phase II), Mambakkam Post, Sriperumbudur Village, Kanchipuram District, Tamil Nadu - For Environmental Clearance.

(SIA/TN/IND2/ 21287/2017 dated: 07.12.2017)

The proposal seeking Environmental Clearance was already placed before 102nd, 103rd, 117th, 131st, 153rd, 164th, 209th, 229th and 276th SEAC meetings held on 01.02.2018, 23.02.2018, 28.07.2018, 17.07.2019, 04.06.2020, 20.07.2020, 09.04.2021, 27.08.2021 and 21.5.2022 respectively. Subsequent to the SEAC meetings, the minutes of the SEAC meeting was placed before the 325th, 343rd, 382nd Authority meeting held on 19.07.2018, 03.05.2019 & 23.06.2020 respectively. The details of the minutes are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Dow Chemical International Private Limited, has applied for Environmental Clearance for the proposed Synthetic organic chemical industry at S.F.Nos. Plot No. L-7, Sipcot Industrial Park (Phase II), Mambakkam Post, Sriperumbudur Village, Kanchipuram District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 5(f) "Synthetic Organic chemical Industry Projects" of the Schedule to the EIA Notification, 2006.
3. Terms of Reference (ToR) was issued for this proposal for expansion vide F.No.6439/2017/ (5f)/SOC/TOR-291/2017 dated 09-10-2017

The project was appraised in 552nd Authority meeting held on 20.09.2022.

The authority noted that this proposal was placed for appraisal in 307th meeting of SEAC held on 26.8.2022 and the SEAC decided to recommend the proposal for grant of EC subject to certain conditions.

The authority noted that,


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The Sub-Committee of SEAC visited the project site on 25.06.2022(Saturday). The Sub-Committee of SEAC reported that,

M/s.Rohm and Haas India Pvt. Ltd (Currently M/s.Dow Chemical International Pvt Ltd) must have applied and obtained Environment Clearance at the time of commissioning of the unit from MoEF&CC.

MoEF&CC has informed vide F.No.22-7/2019-IA.III dated 03.02.2021 based on the project proponent request for the natural polymer. But the subcommittee felt based on the report from the IIT Madras confirmed synthetic organics and it clearly shows that the unit activity attracts both the EIA Notification 2006 and EIA notification 1994.

In view of the above, the Authority after detailed discussion decided to refer back the proposal to SEAC,


- i.for re-appraisal of the project file furnishing clear recommendation weighing the IIT report, the MoEF&CC clarification and the sub-committee report.
- ii.the sub-committee which inspected has not mentioned the installed capacity and current status of the project and has not clearly furnished its opinion.
- iii.further it may be clarified if it attracts any violations.
- iv.the PP shall furnish the copy of first CTE and CTO obtained from TNPCB.

Now the proposal was placed for appraisal in 322nd meeting of SEAC held on 19.10.2022. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEIAA.

The Committee carefully examined the proposal and the observations made by the Sub-Committee, IIT report, the MoEF&CC clarification. The Committee noted the following.

- M/s. Dow Chemical International Private Limited, Sriperumbudur, Chennai is engaged in the production of Water based Latex Polymer (Emulsion).
- The unit was established prior to EIA Notification 2006, after obtaining Consent to Establish in August 2006, in the name of M/s Rohm & Hars India Private Limited and later merged with Dow Chemical International Private Limited in the year 2015.
- The proponent has proposed to increase the production capacity of Water Based Latex Polymer & Latex Polymer Cake from 40000MTPA to 70000MTPA and from 407 MTPA to 1462 MTPA respectively.


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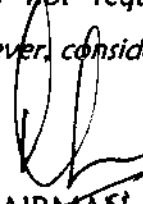
- The PP applied for ToR on 21.08.2017 under 5(f) of EIA notification 2006.
- The Terms of Reference was issued by SEIAA, TN vide Letter No. SEIAA-TN / F.No.6439 / 2017/(5f) / SOC /TOR - 291 /2017 dated 09.10.2017.
- PP applied for EC on 08.12.2017 along with EIA report.
- The proposal came up for examination in the 102nd meeting of SEAC held on 01.02.2018 and SEAC decided to inspect the plant by a Technical Team constituted by the Committee and the Technical Team submitted its report on 19.02.2018.
- The proposal was considered by SEAC in its 103rd meeting held on 23.02.2018 along with the observations made by the Team. PP was asked to revise the EIA report to incorporate various pollution control measures suggested by the Team. PP submitted the revised the EIA report and SEAC decided to recommend grant of EC to SEIAA on the same day.
- The following conditions was one among the additional conditions prescribed by SEAC:

"From regulatory point of view, the SEAC members noted that as per EIA Notification, S.O. 60 (E), dated: 27.01.1994, the project requires Environmental Clearance. As per the Schedule – I, "integrated paint complex including manufacture of resins and basic raw materials required in the manufacture of paints will require EC". When this was pointed out to the proponent, the proponent was of the opinion that his project does not require EC according to his interpretation of the rule. This recommendation made by the SEAC is subject to the resolution of the point whether the EIA notification, 1994 was applicable in the case of this project in the year 2006 when the proponent planned to start the industry."

- This led to proposal going back and forth between SEIAA and SEAC, as SEIAA needed a clear opinion from SEAC on the point whether the proposal should be considered under 5(f) of 2006 Notification or under 15 of EIA Notification 1994, the implication being that the proposal has be treated as violation case if it came under 15 of EIA Notification 1994.
- SEIAA wrote to MoEF&CC for a clarification and the Ministry placed the subject before the Expert Committee for streamlining environmental clearance procedures. Based on the recommendations, the Ministry in its letter F.No.22-7/2019-IA.III dated 03.02.2021 issued the following clarification;

"Based on the recommendations of the Committee it is clarified that the existing water based latex polymer manufacturing project does not require prior environmental clearance as per EIA Notification, 1994. However, considering the


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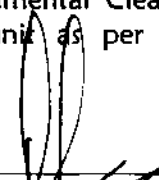

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project under category 5(f) 'Synthetic Organic Chemical Industry' of the schedule of the EIA Notification, 2006, the project proponent may obtain prior EC for expansion/modernisation of the project from the concerned regulatory authority."

- The MoEF&CC Committee in its minutes dated January 14-15, 2021 has observed that *"the Proponent is not involved in Paint manufacture and is making water based polymer emulsions only and therefore do not fall under 'Integrated Paint Manufacturing.'"*
- As per MOEF&CC OM Dt 21.3.2022 it is clarified that any paint industry which is involved in manufacturing of ingredients such as resins, lacquers, varnishes, etc., besides formulation (physical mixing of ingredients) of paints shall require prior EC as per schedule 5(h) of the EIA Notification, 2006 as amended from time to time. It is also clarified that the ingredients are not restricted to resins, lacquers and varnishes but it may also include any ingredient such as polymers/co-polymers etc. including water based polymer, which are used in the manufacturing of paints.

	Query	Reply
1.	For re-appraisal of the project file finishing clear recommendation weighing the IIT report, the MoEF & CC clarification and the subcommittee report.	<p>MoEF & CC Clarification:</p> <ul style="list-style-type: none"> • It is clarified that the existing water based latex polymer manufacturing project does not require prior environmental clearance as per the EIA notification, 1994. • However, considering the project under category 5 (f) "Synthetic Organic Chemical industry" of the schedule to the EIA Notification, 2006, the project proponent may obtain prior EC for expansion / modernization of the project from the concerned regulatory authority. <p>Minutes of 4th EAC meeting (Industry 3 Sector) held during January 14 - 15, 2021.</p> <p>The committee, after detailed deliberation and considering clarification issued by the ministry vide letter no. 25th march 2019, and considering that water based latex polymer is one of additives only along with other components in the paint industry, was of the view that the water based latex polymer manufacturing project does not require Environmental Clearance at the time of establishment of unit as per the EIA Notification 1994.</p>


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		<ul style="list-style-type: none"> However, considering the project under category 5 (f) "Synthetic Organic Chemical industry" of the schedule to the EIA Notification, 2006, the project proponent may obtain prior EC for expansion / modernization of the project from the concerned regulatory authority.
		<p>IIT report:</p> <ul style="list-style-type: none"> The use of butyl acrylate, methyl methacrylate, ethyl acrylate, vinyl acetate, styrene, 2-ethylhexyl acrylate, acrylonitrile all of which (including the additives in the presence of water) would lead to the formation of synthetic polymers only.
2.	The subcommittee which inspected has not mentioned the installed capacity and current status of the project and has not clearly furnished its opinion.	<ul style="list-style-type: none"> The project is yet to start and awaiting for Environmental Clearance.(EC) Latest CTO obtained from TNPCB Air Act Consent Order No. 2208243030145 Dated: 10/06/2022. Water Act Consent Order No. 2208143030145 Dated: 10/06/2022. Valid up to 31.03.2024. Current Production Capacity: Water Based Latex polymer – 40000 MT/Year Latex Polymer Cake-407 MT/Year
3.	Further it may be clarified if it attracts any violations.	<ul style="list-style-type: none"> As per MoEF & CC is clarified, that the existing water based latex polymer manufacturing project does not require prior Environmental Clearance as per the EIA notification, 1994. However, considering the project under category 5 (f) "Synthetic Organic Chemical industry" of the schedule to the EIA Notification, 2006, the project proponent may obtain prior EC for expansion / modernization of the project from the concerned regulatory authority. According to the TNPCB consent orders, the unit has maintained the same production capacity of water-based latex polymer (40000 MT/YEAR) and latex polymer cake (407 MT/YEAR) from the 2006 CTE to the most recent 2022 CTO. Hence we clarify that the unit didn't attract any violation.
4.	The pp shall furnish the copy of first CTE and CTO obtained from TNPCB.	<ul style="list-style-type: none"> First CTE obtained from TNPCB 2006-2007 Air act Consent Order No: 3418 Date:05/08/2006 Valid up to –Two Years. CTE copy is enclosed. First CTO obtained from TNPCB/ Water Act

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		Consent Order- 21084 Dated 07/09/2007, Valid upto 31.03.2008. CTO copy is enclosed.
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The Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to reiterate recommend the recommendation already made in 307th SEAC meeting held on 26.8.2022.

Agenda No: 322-02

(File No: 7016/2021)

Proposed Brick Earth quarry lease area over an extent of 2.07.0 Ha at S.F.Nos. 210/2, 209/5, 211/2, 209/7 and 210/5, Vengalur Group and Village, Paramakudi Taluk, Ramanathapuram District, Tamil Nadu by Thiru R.Sankaranarayanan - For Environmental Clearance . (SIA/TN/MIN/40843/2019 Dt. 28.2.2022).

The proposal was placed in this 322nd SEAC meeting held on 19.10.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru R.Sankaranarayanan, has applied for Environmental Clearance for the proposed Brick Earth quarry lease area over an extent of 2.07.0 Ha at S.F.Nos. 210/2, 209/5, 211/2, 209/7 and 210/5, Vengalur group and Village, Paramakudi Taluk, Ramanathapuram 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. As per the mining plan, the lease period is for one year. The production for one year not to exceed – 12,373 m³ of Brick earth with proposed depth of 1m (BGL).

Earlier, this proposal was placed in the 268th SEAC Meeting held on 29.4.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance**, subject to the following conditions, in addition to the standard conditions issued by the MOEF & CC. subsequently, this proposal was placed in the 513rd Authority meeting held on 30.05.2022. The Authority after detailed discussion, decided to call for the following details from the project proponent.


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- To furnish the types of trees & No. of trees including (Palmyra trees) present within the proposed mine lease area.

The proponent had submitted the reply vide letter dt: 27.06.2022. This proposal was again placed in the 551st Authority meeting held on 19.09.2022. After detailed discussion the Authority decided to request the Member Secretary SEIAA-TN to refer back the proposal to SEAC-TN stating the following reasons,

- The consent of Pattadhars not been registered.
- As per the order of Hon'ble Madurai Bench of Madras High Court Dated:28.08.2019 in WP (MD) No.20903 of 2016, the sand content is not more than 40%. It is ascertained from the mineral composition analysis report issued by University of Engineering, Anna University, Dindigul, the sand content is more than 40%. The above said facts may be clarified.
- The kml file uploaded in the parivesh portal is not opening.

Now, the subject was again placed for reappraisal in this 322nd SEAC meeting held on 19.10.2022. Based on the presentation made by the proponent, SEAC noted and decided to call for details as follows,

1. The PP shall furnish registered consent document from all pattadhars.
2. The composition/component of the minerals proposed to be quarried shall be tested in the laboratories authorized by the Dept of Geology & Mining such as Dept of Civil Engineering, NIT Trichy (or) Anna University – Dept of Soil Mechanics, CEG Campus and forwarded through AD/DD Mines following the directions of the Madurai High Court Judgement in this regard. However, the soil sample shall be extracted from the proposed quarrying area following the guidelines stipulated by the Dept of Geology & Mining in the presence of the Consultant/EIA Coordinator using proper methods & tools. The test certificate shall be vetted by the concerned Asst Director (Geology and Mining).
3. The proponent should produce a letter from the concerned Asst Director (Geology and Mining) stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.


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

Agenda No: 322-03

(File No: 7716/2021)

Proposed Gravel quarry lease over an extent of 2.43.0 Ha in S.F.Nos. 48/2C & 48/2D Cuddalore O.T.(NMPL) Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru.N.Mani- For Environmental Clearance(SIA/TN/MIN/166313/2020 Dt.03.08.2020).

The proposal was placed in this 322nd SEAC meeting held on 19.10.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

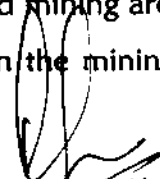
The SEAC noted the following:

1. The project proponent, Thiru.N.Mani, has applied for Environmental Clearance for the proposed Gravel quarry lease area over an extent of 2.43.0 Ha in S.F.Nos. 48/2C & 48/2D Cuddalore O.T.(NMPL) Village, Cuddalore Taluk, Cuddalore 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. As per the mining plan, the lease period is Two years. The production for two years not to exceed – 49915 m³ of Gravel Quarry with proposed depth of 4m (2m AGL + 2m BGL).

Earlier, this proposal was placed in the 302nd SEAC Meeting held on 17.08.2022. Based on the presentation made by the proponent, the SEAC recommended for grant of Environmental Clearance subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions. Subsequently this proposal was placed in the 551st Authority meeting held on 19.09.2022. After detailed discussion the Authority decided to request the Member Secretary SEIAA-TN to refer back the proposal to SEAC-TN stating the following reasons.

1. The PP shall carry out a study on the biodiversity in the proposed mining area.
2. The impacts of mining on flora, fauna & soil microorganisms in the mining area shall be studied.


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3. Impacts on the Agriculture and Horticulture around the project area.
4. The PP shall furnish details of soil erosion management and soil conservation plan.
5. Impacts of mining on the waterbodies situated in the vicinity of the project area shall be studied.

Now, the subject was again placed for reappraisal in this 322nd SEAC meeting held on 19.10.2022. The Project proponent made a representation along with the clarifications for the above shortcomings observed by the SEIAA. The Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to reiterate its recommendation already made in the 302nd SEAC Meeting held on 17.08.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

Agenda No: 322-04

(File No: 7984/2021)

Proposed Rough Stone quarry lease area over an extent of Extent 2.00.0 Ha at SF.No. 416/35(Part-4), Vinnamangalam Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru K. Dineshkumar - For Environmental Clearance. (SIA/TN/MIN/180421/2020 Dt. 29.3.2021)

The proposal was placed for appraisal in this 322nd meeting of SEAC held on 19.10.2022. 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. Dineshkumar has applied for Environmental Clearance for the proposed Rough Stone quarry lease area over an extent of Extent 1.42.0Ha at SF.No. 416/35(Part-4), Vinnamangalam Village, Vellore Taluk, Vellore District, Tamil Nadu. It is a Govt. Promboke land.
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. As per the mining plan, the lease period is for 10 years. The production for 5 years not to exceed 3,85,648 m³ of Rough stone. The Annual peak production as per mining plan is 114026m³ of rough stone with proposed


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depth of 51m(31m AGL + 20m BGL).

4. Earlier, this proposal was placed before 263rd meeting of SEAC held on 9.4.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the certain conditions.
5. Subsequently, it was placed before 508th SEIAA meeting held on 19.5.2022. After detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.
 - a. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the following
 - a) Soil health & bio-diversity.
 - b) Climate change leading to Droughts, Floods etc.
 - c) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature & Livelihood of the local people.
 - d) Possibilities of water contamination and impact on aquatic ecosystem health.
 - e) Agriculture, Forestry & Traditional practices.
 - b. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. 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, covering the project life (or) subject to a maximum of thirty years whichever is earlier.
 - c. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/unfavorable accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related

activities.

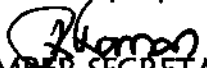
- d. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years; whichever is earlier.
 - e. Detailed Environment Management Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
6. Based on the reply of PP for the above-mentioned queries raised in 508th SEIAA meeting held on 19.05.2022, the proposal was placed in 286th SEAC meeting held on 17.06.2022. During the meeting the EIA Coordinator has stated that the proposed project site is located nearer to the Villakaradu RF and will produce the letter from DFO concerned stating the exact distance of RF with respect to the project site.
7. Based on the reply furnished by the proponent, the proposal was placed in the 307th SEAC meeting held on 26.08.2022. Based on the presentation made by the PP, SEAC noted that the vellakkal RF of vaniyambadi range is situated at a distance of 1.30km from the proposed site vide Lr.C.No.2640/2022/D Dated: 12.08.2022. Hence, SEAC decided to **recommend the proposal for the grant of Environmental Clearance.**
8. Subsequently, the proposal was placed in the 552nd Authority meeting held on 19.09.2022.

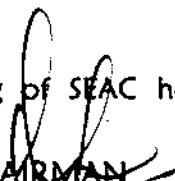
After detailed discussion, the Authority noted that

- i. As per the KML file uploaded by the proponent in online through Parivesh portal, it is ascertained that the proposed mine lease boundary is located at a distance of 895m from the Reserved Forest.
- ii. To authenticate the letter issued by DFO Tirupathur, a letter may be obtained from principal Chief Conservator of Forest indicating the distance between the proposed mine lease boundary and the nearest dense forest.
- iii. The proponent shall submit the details regarding the queries raised in 508th SEIAA meeting held on 19.05.2022.

In the view of the above, SEAC may examine with the above-mentioned points and furnish the remarks to SEIAA.

Now, this proposal was placed for appraisal in this 322nd meeting of SEAC held on


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19.10.2022. During the meeting the EIA Coordinator requested to postpone and reschedule the meeting. Hence, the proposal was not taken up for appraisal.

Agenda No: 322- 05

(File No: 7986/2020)

Proposed Brick Earth quarry lease over an extent of 0.52.50 Ha at S.F.No. 801A/1D of Villapakkam Village, Arcot Taluk, Ranipet District, Tamil Nadu by Thiru. C.Srinivasan- For Environmental Clearance. (SIA/TN/MIN/ 180393/2020 Dt.02.11.2020)

Earlier, this proposal was placed in 252nd SEAC meeting held on 10.03.2022 and 306th meeting of SEAC held on 25.8.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The project was appraised in 551st Authority meeting held on 19.09.2022.

The authority noted that this proposal was placed for appraisal in 306th meeting of SEAC held on 25.8.2022 and the SEAC decided to recommend the proposal for grant of EC subject to certain conditions.

The authority noted that,

Since there a lot of vegetation the PP shall submit the following details.

- (i) A detailed study on Biodiversity
- (ii) A detailed study on Erosion
- (iii) A detailed study on impact on Agriculture
- (iv) Status of Land/ whether it comes under Grazing land
- (v) Location of Brick kiln
- (vi) Source of energy for brick making
- (vii) Transport details

In view of the above, the authority after detailed discussion decided to refer back the proposal to SEAC for re-appraisal and SEAC is requested to give specific conditions for working of brick kiln.

Now the proposal was placed for appraisal in 322nd meeting of SEAC held on 19.10.2022. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEIAA.

The Committee carefully examined the points raised by SEIAA and the replies given


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by the PP and decided to reiterate its recommendation already made in the 306th SEAC Meeting held on 25.08.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

Agenda No: 322-06

(File No: 7998/ 2020)

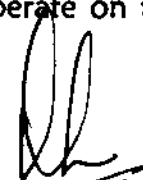
Proposed Rough stone and gravel quarry over an extent of 2.58.2 Ha in S.F.No. 30/2B3(P) at Paladurai Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Tmt. V. Thulasiammal- For Environmental Clearance.(SIA/TN/MIN/ 57894/ 2020 dated: 19.01.2022)

The SEAC noted the following:

1. The project proponent, Tmt. V. Thulasiammal has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry over an extent of 2.58.2 Ha at S.F.No. 30/2B3(P), Paladurai Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan the the lease period is for 5 years. The production for the five years states that the total quantity of recoverable should not exceed 2,28,940 cu.m of Rough stone, 41,072 cu.m of Gravel with an ultimate depth of mining is 19m (2m Gravel + 2m Weathered Rough Stone + 15m Rough Stone) below ground level. The Annual peak production as per mining plan is 48730 cu.m of rough stone.
4. ToR was issued vide Lr.No.SEIAA-TN/F.No.7998/SEAC/ToR-897/2020 dated 16.03.2021.
5. Public hearing was conducted on 25.11.21.
6. Earlier this proposal was placed in 265th SEAC meeting held on 21.04.2022 and SEAC noted that there are agriculture fields and dwelling houses all around the proposed site and therefore decided that the project proponent shall furnish
 - (1) a report on impact of mining activity on agriculture in detail and
 - (2) socio-economic impact survey report.

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


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7. Based on the reply furnished by the PP the above proposal was placed on 306th SEAC meeting held on 25.08.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance.**
8. Subsequently, the proposal was placed in the 551st Authority meeting held on 19.09.2022.

After detailed discussion the Authority noted that

1. Within 300m radius, as per the KML uploaded by the PP in the Parivesh Portal, there are habitations at a distance of 235m.
2. As per Tamil Nadu Minor Mineral Concession Rules, 1959 under section V – Miscellaneous in para 36. General restrictions in respect of quarrying operations; (1-A) (a)

"No lease shall be granted for quarrying stone within 300 metres (three hundred metres) from any inhabited site: Provided that the exiting quarries which are subsisting under current leases shall be entitled for continuance till the expiry of the lease period. The lessees whose quarries lie within a radius of 300 metres from the inhabited site shall undertake blasting operations only after getting permission of the Director of Mines Safety, Chennai."

3. As per Tamil Nadu Minor Mineral Concession Rules, 1959 under section V – Miscellaneous in para 36. General restrictions in respect of quarrying operations; (c)

"No new layout, building plans falling within 300 metres from any quarry should be given approval by any agency unless prior clearance of the Director of Geology and Mining is obtained. On receipt of proposals for according clearance, the Director of Geology and Mining shall decide upon the continuance or closure, as the case may be of any quarry which is situated within 300 metres from the now layout, building sought for such "clearance".


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4. The proponent is requested to provide details regarding the population in the 300m vicinity and the status of the approval of the plots from the Competent Authority not below the rank of Tahsildar.

In the view of the above, the authority decided to refer back the proposal to SEAC to examine with the above-mentioned points and furnish the remarks to SEIAA. Based on the reply furnished by the proponent, the proposal was again placed in the 322nd SEAC meeting held on 19.10.2022.

The Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to reiterate its recommendation already made in the 306th SEAC Meeting held on 25.08.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

Agenda No: 322-07

(File No: 8563/2022)

Proposed Black Granite quarry lease area over an extent of 2.00.0Ha at S.F.Nos. 383/1(Part) Bit – 2 of Polayamballi Village, Harur Taluk, Dharmapuri District, Tamil Nadu by Thiru.M.Arunkumar - For Environmental Clearance. (SIA/TN/MIN/215010/2021, dated: 12.06.2021).

The proposal was placed for appraisal in this 322nd meeting of SEAC held on 19.10.2022.

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.Arunkumar, has applied for Environmental Clearance for the proposed Black Granite quarry lease area over an extent of 2.00.0Ha at S.F.Nos. 383/1(Part) Bit – 2 of Polayamballi Village, Harur 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. As per the mining plan, the lease period is for 20 years. The production for 5 years not to exceed 25375m³ of ROM & production of Black granite 1776 m³ @7%. The Annual peak production as per mining plan is 5875 m³ of ROM (2nd year) & production of Black granite 411 m³ (2nd year) with proposed depth of 20m AGL.


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Earlier, this proposal was placed in the 263rd meeting of SEAC held on 9.4.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to call for the following details from the project proponent,

1. The project proponent shall furnish a letter from DFO stating that the details of nearest RF (keragondahalli) & its distance located with respect to the project site.

The project proponent has furnished the copy of the DFO letter dated 13.05.2022, wherein it is stated that the proposed quarry site is located at an aerial distance of 1.522km from the Keragondahalli Reserve Forest. In addition, PP has stated the following,

- The production targets are conservative and follow the statutory rules and regulations issued by the Govt to quarry the Black Granite at this location and sold to international and domestic markets.
- The PP is also demarcated a dedicated area within the leasehold area for dumping of the non-saleable granite waste.
- The waste rock (or) overburden/side burden rock (or) other rejects excavated in the quarry is also dumped within the leasehold area and it will be used for constructing the safety berms, bunds for developing the green belt during the life of 20 years and the remaining waste at the end of life will be used for backfilling purposes into the mined-out area of the quarry during the final closure plan.
- In case of non-feasibility of backfilling, the waste dumps will suitably terraced and
- stabilised by planting adequate vegetation as stipulated by the SEAC, as a part of progressive mine closure plan & rehabilitation plan approved by the competent authority under the provisions of the Granite Conservation & Development Rules, 1999.
- Long term & shorter ecological and environmental impacts such as air pollution due to dust, exhaust emissions or fumes, the discharge of toxic and objectionable effluents, noise arising out during the mining operations of granite and related activities are adequately mitigated in the EMP.


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- It is submitted that the environmental impact is directly linked to the total excavation quantity which includes the RoM being mined out from the mineralised zone of quarry and not restricted to saleable production quantity (recovery alone).
- In some period, the situation arises where the recovery falls down to even very low value as 2 to 3% of RoM which neither provides an economically viable operation in the interest of revenue generation for company as well as the State Government and also it is not conducive to protect the environment in a sustainable manner.
- Mining recoverable reserves may vary subject to the quality of Granite mining methodology and the existing Geological features such as structural, textural formations and very significantly, the current market demand for the Granite being mined.
- Further, it is well known that without extracting the Run of Mine (ROM) the recoverable production (recovery) is not possible.
- The total of quantity of granite waste produced during the life of the quarry period will be utilised / dumped as per the conditions stipulated in the approved Mining Plan. Here, in case of utilization of granite waste for further beneficial purposes as per market trend (or) the Govt directions, the company shall get a revised / modified Mining Plan along with Mine Closure Plan from the competent authority.
- The PP have informed that any one of the following five scenarios that will be focused on the reclamation planning of the proposed quarry, which are:
 - To use mined land as agricultural purpose as the stored water will be utilised for cultivation;
 - To reshape the quarry and design an residential area;
 - To use the area as a place for educational purposes;
 - To revegetate the mined land with appropriate species for foresting and
 - Using the area as a promenade site/eco park for tourists.


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These criteria have been determined according to mine site properties studied earlier through EIA/EMP such as micro and macro climate conditions, hydrology and hydrogeology, chemical and physical properties of soil, geological and geotechnical parameters and etc.

- The PP had indicated that the final mine closure plan includes the action plan for protection of the quarry once it is completed its life (or) abandoned by installing necessary safety provisions such as fencing, etc.

The PP have informed that the granite waste blocks produced from the quarry (non-saleable granite) will be transported taking adequate environmental mitigation measures similar to the recovered Granite blocks as stipulated in EMP, in case of processing plant is situated outside the leasehold area.

Hence this proposal was placed for reappraisal in the 298th meeting of SEAC held on 22.07.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance** subject to the normal conditions stipulated by MOEF&CC, in addition to the specific conditions stated therein. Subsequently, this proposal was placed in the 543rd Authority meeting held on 24.08.2022. The Authority had observed the following,

It is ascertained from the kml file uploaded in parivesh portal that another file bearing file No.8619 M/s. PVI Trading Corporation, S.F.No. 383/1(part) Bit-3 located abutting to the proposed mine lease area was placed in the 297th SEAC meeting held on 21.07.2022. It is deferred and minuted as follows,

1. *"In the Geological Section IV-A, it is evident that there is an elevated portion in the western side and low-lying area is in the eastern side.*
2. *It appears that the geological reserves are ascertained only in the low-lying area (i.e., section A-B & C-D) and the highly elevated zone in the western side has not been considered for computing the geological reserves.*
3. *Based on the geological plan & sections, the year-wise development plan (Plate V-A) has been prepared considering the same de-facts. Besides, the granite waste*


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dump has been proposed on the mineralised zone on the eastern side of the area which is in contradiction of the Granite Conservation & Development Rules (GCDR), 1999 & Mineral Conservation and Development Rules (MCDR), 2017.

Rule 14 (4) of Mineral Conservation and Development Rules, 2017 states that the ground selected for dumping of overburden, waste material, the sub-grade or non-saleable ores or minerals shall be proved for absence or presence of underlying mineral deposits before it is brought into use for dumping.

4. *Further, it has been described that the Black Granite dyke is aligned from NW-SE. It is also inferred that the rich Black Granite deposits are positioned on the western end of the lease applied area which has not been computed either in the geological reserves / mineable reserves (or) year-wise development plans.*

Therefore, the NABET Coordinator shall examine the Mining Plan precisely and if required, the Plan shall be modified accordingly, after incorporating the corrections as per GCDR,1999, resubmit the Mining Plan approved by the competent authority considering the entire geological, mineable reserves and the proposed production schedule for the first 5-year plan period."

Hence, In line to the decision taken in file No.8619 stated above, the proposal is refer back to SEAC for considering the points deferred by SEAC and request to furnish the remarks with recommendation to SEIAA to take decision.

In addition to the above, the Authority request the PP to submit the following details during appraisal.

1. The detailed Bio diversity conservation plan and Soil Conservation plan through accredited institutions.
2. Impacts of erosion on Agricultural areas around.
3. Impacts on water table and water conservation plan.

Now, the subject was again placed for reappraisal in this 322nd SEAC meeting held on 19.10.2022. The Project proponent made a representation along with the

clarifications for the above shortcomings observed by the SEIAA. The Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to reiterate its recommendation already made in the 298th meeting of SEAC held on 22.07.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

Agenda No. 322 – 08.

(File No. 8716/2021)

Proposed Rough Stone, Jelly & Gravel Quarry lease over an extent of 1.82.53Ha at S.F.No.27/5A1B of Melathidiyur Village, Palyamkottai Taluk, Tirunelveli District, Tamil Nadu by Thiru.S.Ramaiah @ Ananth for Environmental Clearance (SIA/TN/MIN224039/2021, Dt: 13.08.2021)

The proposal was earlier, placed in 249th SEAC meeting held on 25.02.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, Thiru. S. Ramaiah @ Ananth has applied for Environmental Clearance for the proposed Rough Stone, Jelly & Gravel Quarry lease over an extent of 1.82.53Ha at S.F.No.27/5A1B of Melathidiyur Village, Palyamkottai Taluk, Tirunelveli District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication/lease is issued for the period of 5 years. The approved mining plan is for the period of five years & production should not exceed 261750 m³ of Rough Stone, 13104 m³ of Weathered Rock & 27636 m³ of Gravel. The annual peak production is 54250 m³ of rough stone (4th year), 9191 m³ of Weathered Rock (1st Year) & 19364 m³ of Gravel (1st Year). The ultimate depth is 48m BGL.

Sl. No.	Details of the Proposal		
1	<table><tr><td data-bbox="264 1800 804 2036">Name of the Owner/Firm</td><td data-bbox="804 1800 1417 2036">Thiru.S.Ramaiah @ Ananth S/o.Sankara Pandian 5B, Subash Chandra Boss Street Mela Karunkulam Palayamkottai Taluk Tirunelveli District-627005</td></tr></table>	Name of the Owner/Firm	Thiru.S.Ramaiah @ Ananth S/o.Sankara Pandian 5B, Subash Chandra Boss Street Mela Karunkulam Palayamkottai Taluk Tirunelveli District-627005
Name of the Owner/Firm	Thiru.S.Ramaiah @ Ananth S/o.Sankara Pandian 5B, Subash Chandra Boss Street Mela Karunkulam Palayamkottai Taluk Tirunelveli District-627005		

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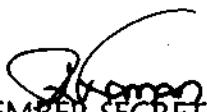
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough Stone, Jelly & Gravel
3	S.F No. Of the quarry site with area break-up	:	27/5A1B
4	Village in which situated	:	Melathidiyur
5	Taluk in which situated	:	Palyamkottai
6	District in which situated	:	Tirunelveli
7	Extent of quarry (in ha.)	:	1.82.53Ha
8	Latitude & Longitude of all corners of the quarry site	:	08°38'07.75"N to 08°38'14.20"N 77°38'56.91"E to 77°39'02.07"E
9	Topo Sheet No.	:	58 – H/10
10	Type of mining		Opencast Semi-Mechanized Method of Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	261750m ³ of Rough Stone & 27636m ³ of Gravel & 13104m ³ of Weathered rock
13	Depth of quarrying	:	48m below ground level
14	Depth of water table	:	63m-60m BGL
15	Man Power requirement per day:		23 Nos.
16	Source of Water Requirement		water vendors & Borewell
17	Water requirement:	:	2.5 KLD
	1. Drinking & domestic purposes (in KLD)		0.5 KLD
	2. Dust suppression, Green Belt & Wet Drilling (in KLD)		& 1.5 KLD
			0.25 KLD
			0.25 KLD

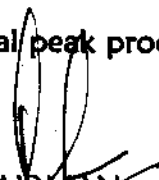
18	Power requirement		TNEB
19	Whether any habitation within 300m distance	:	No
20	Precise area communication approved by the, District Collector, Geology and Mining with date	:	Rc.No.M1/45555/2018, dt:23.11.2020
21	Mining Plan approved by Joint Director /Assistant Director, Department of Geology and Mining with date	:	Rc.No.M1/45555/2018, dt:05.12.2020
22	Joint Director /Assistant Director, Department of Geology and Mining 500m cluster letter		Rc.No.M1/45555/2018, dt:05.12.2020
23	VAO certificate regarding 300m radius cluster		Letter dt: 14.06.2021
24	Project Cost (excluding EMP cost)	:	Rs.42.15 Lakhs
25	EMP cost	:	Capital Cost - Rs.11.20 Lakhs Recurring Cost – Rs. 11.80 Lakhs
26	CER cost		Rs.5 Lakhs

Based on the presentation made by the proponent and the documents furnished, SEAC noted that Kalakad-Mundanthuri Tiger reserve is located 8.5 Km from the project site, the PP is directed to obtain NBWL Clearance and submit the same to SEAC.

The proponent has furnished reply vide Ir. Dt: 29.06.2022 enclosing DFO Tirunelveli, Lr. Dt:13.06.2022. In this connection, the proposal was again placed in this 306th SEAC Meeting held on 25.08.2022.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance considering the safety aspect the ultimate depth of mining is restricted upto 43m for the revised total production quantity of 258600 Cu.m of Rough Stone, 13104 Cu.m of Weathered Rock, &27636 Cu.m of Gravel with maintaining the **annual peak production**


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of 54250 Cu.m of Rough Stone, subject to the standard conditions, in addition to the specific conditions:

The proposal was placed in the 551st Authority meeting held on 17.09.2022. The authority noted that the DFO and Wild life Warden, Tirunelveli vide Lr. C.No.P/4736/2022 Dt: 13.06.2022 has reported that the nearest Kolunthumamalai Reserve Forest at a distance of 8.5 km and the Kalakad Mudanthurai Tiger Reserve at a distance of 12.km but the KML file reveals that distance between the project site & ESZ boundary (Kalakad - Mudanthurai Tiger reserve/WLS) is only 8.57km. In this regard, previous SEAC also sought NBWL clearance for the project site. In this connection, Authority after detailed discussion decided refer back the proposal after the receipt of the following additional particulars from the project proponent

- i) The PP shall upload correct KML file along with coordinates.
- ii) The PP shall obtain letter from DFO in regard to impact of blasting around 10km radius and no disturbance to wildlife along with clarification whether the Kolunthumamalai Reserve Forest is a part of Kalakad Mundanthurai Tiger Reserve. If so, the PP Shall obtain NBWL Clearance for the proposed site and activity.

In this connection, the proposal was again placed in this 322nd SEAC Meeting held on 19.10.2022. Based on the presentation and considering DFO letter Dt: 13.06.2022 submitted by the project proponent, SEAC decided to re-confirm the recommendation already made in 306th SEAC meeting held on 25.09.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

Agenda No: 322-09

(File No: 8761/2021)

Proposed rough stone and gravel quarry lease area over an extent of 0.94.5 Ha at S.F. Nos. 95/22, 94/23 & 95/24 Chithannavasal Village, Illuppur Taluk, Pudukkottai District, Tamil Nadu by Thiru. R. Sathiyamoorthy -For Environmental Clearance amendment (SIA/TN/MIN/226014/2021 Dt: 25.08.2021)

The proposal was placed in this 322nd SEAC Meeting held on 19.10.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).


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The SEAC noted the following:

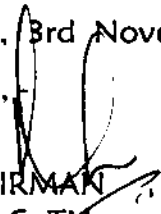
1. The project proponent, Thiru. R. Sathiyamoorthy has applied for the Environmental Clearance for proposed rough stone and gravel quarry lease area over an extent of 0.94.5 Ha at S.F. Nos. 95/22, 94/23 & 95/24 Chithannavasal Village, Illuppur Taluk, Pudukkottai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 30335 m³ of rough stone. The annual peak production as per mining plan is 6445m³ of rough stone (2nd year) with ultimate depth of 22m BGL
4. Earlier the proposal was placed in the 271st SEAC Meeting held on 12.5.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details from the project proponent. The project proponent shall furnish a NOC from Archaeological Survey of India, since the Chithannavasal Archaeological site is located in the vicinity of the proposed site.
5. Based on the reply furnished by the PP, the proposal was placed in the 307th SEAC meeting held on 26.08.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance.
6. Subsequently, the proposal was placed in 552nd Authority meeting held on 19.09.2022. The proponent was requested to furnish NOC from Archeological Survey of India. But the proponent had obtained Site report from the Assistant Director, Department of Geology and Mining, Pudukkottai.

The Authority after detailed discussion, decided that

1. As per the amendment to the Tamil Nadu Minor Mineral Concession Rules, 1959 [G.O. MS. No. 295, industries (mmc.1), 3rd November 2021, In the said Rules, - (4) in rule 36, in sub-rule (1-A), -


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(d) *"Notwithstanding anything contained in any law for the time being in force, no lease or licence shall be granted for quarrying of any mineral within 500 metres radial distance from the boundaries of an archaeological site or remains and ancient Monument;"*

The proponent had submitted the village map indicating the distance from the centre of the proposed mine lease area and the archaeological site. Hence, the proponent is requested to submit the radial distance from the boundary of the archaeological site to the nearest mine lease boundary.

2. Further, the assistant director has recommended the report based on the observations of the VAO. Hence, AD/Mines is directed to inspect the site and measure the shortest distance between the Archeological site and the nearest mine lease boundary and shall issue a letter regarding the same.
3. The proponent must submit the NOC letter obtained from the Archeological Survey of India as per the additional details sought in the 271st SEAC meeting held on 12.05.2022.

In the view of the above, SEAC may examine with the above-mentioned points and furnish the remarks to SEIAA.

Based on the reply furnished by the proponent, the proposal was again placed in the 322nd SEAC meeting held on 19.10.2022. Based on the presentation made by the proponent, SEAC decided to call for additional details

1. The proponent shall clarify regarding the boundary of the Chithannavasal cave from the competent authority. Further, the proponent is requested to obtain the distance from the boundary of the archeological site to the nearest proposed mine lease area boundary from the competent authority.
2. Further, the assistant director has recommended the report based on the observations of the VAO. Hence, AD/Mines is directed to inspect the site and measure the shortest distance between the Archeological site and the nearest mine lease boundary and shall issue a letter regarding the same.
3. The proponent shall submit a report regarding the impacts of quarrying on the paintings inside the archaeological site considering the dust pollution, blast-

induced vibrations, noise etc., and further shall discuss the mitigation measures to be adopted to conserve the archeological site.

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

Agenda No. 322 – 10.

(File No: 8926/2022)

Proposed Rough Stone and Gravel quarry lease over an extent of 4.60.50 Ha in S.F.Nos.46/1, 46/2, 46/3, 46/4, 46/5, 46/6 & 47/5 Yechantha Village, Sankarankovil Taluk, Tenkasi District, Tamil Nadu by Thiru S.K. Rajkumar for Environmental Clearance (SIA/TN/MIN/247441/2021 Dated 12.01.2022)

The proposal was placed in this 278th Meeting of SEAC held on 27.05.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru S.K. Rajkumar has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 4.60.50 Ha in S.F.Nos. 46/1, 46/2, 46/3, 46/4, 46/5, 46/6 & 47/5 Yechantha Village, Sankarankovil Taluk, Tenkasi District, Tamil Nadu
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication for the period of 10 years. The mining plan is for the period of 5 years & the production should not exceed 332430 Cu.m. of Rough Stone, 141324.75 Cu.m of Gravel and 60567 cu.m. of Earth. The annual peak production 128375 Cu.m. of Rough Stone(5th year), 55125 Cu.m of Gravel(4th year) and 42525 Cu.m. of Earth(2nd year). The ultimate depth – 35m BGL

Sl. No.	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru.S.K.Rajkumar S/o.Kasipandiyan No.1/97, 160, PillaiyarKovil Street Naduvakurichi, Sankarankovil Taluk Tenkasi District
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone & Gravel


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3	S.F No. Of the quarry site with area break-up	:	46/1,46/2,46/3,46/4,46/5,46/6 & 47/5
4	Village in which situated	:	Yechantha
5	Taluk in which situated	:	Sankarankovil
6	District in which situated	:	Tenkasi
7	Extent of quarry (in ha.)	:	4.60.50Ha
8	Latitude & Longitude of all corners of the quarry site	:	09°04'11.8"N to 09°04'22.1"N 77°29'26.7"E to 77°29'39.1"E
9	Topo Sheet No.	:	58 – G/8
10	Type of mining		Opencast Mechanized Method of Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	332430 Cu.m. of Rough Stone, 141324.75 Cu.m of Gravel and 60567.75 cu.m. of Earth.
13	Depth of quarrying	:	35 m below ground level
14	Depth of water table	:	40m-45m BGL
15	Man Power requirement per day:		26 Nos.
16	Source of Water Requirement		water vendors & Borewell
17	Water requirement: 3. Drinking & domestic purposes (in KLD) 4. Dust suppression, Green Belt & Wet Drilling (in KLD)	:	3.200 KLD 1.000 KLD & 1.300 KLD 0.600 KLD 0.300 KLD
18	Power requirement		TNEB
19	Whether any habitation within 300m distance	:	No
20	Precise area communication approved by the, District Collector, Geology and Mining with date	:	Rc.No.M3/7307/2019, dt:12.10.2020
21	Mining Plan approved by Joint Director /Assistant Director (i/c), Department of Geology and Mining with date	:	Rc.No.M3/7307/2019, dt: 07.01.2021
22	Joint Director /Assistant Director (i/c), Department of Geology and Mining 500m cluster letter		Rc.No.M3/7307/2019, dt:07.01.2021
23	VAO certificate regarding 300m radius cluster		Letter dt: 30.05.2022
24	Project Cost (excluding EMP cost)	:	Rs.348.53 Lakhs
25	EMP cost	:	Capital - Rs.11.90Lakhs Rcuring Cost – Rs. 15.50 Lakhs

26	CER cost	Rs.7 Lakhs
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Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details from the PP.

1. As there is a temple close to the site, the PP shall furnish a letter from the Panchayat indicating the details of number of devotees who visit the temple, periodicity, seasonal festivals and whether the Panchayat has any objections to the proposed quarry from the angle of public safety.
2. The PP shall furnish the revised EMP including manpower cost for Blaster, Mines manager, etc.,

On the receipt of the same further deliberation will be done.


The proposal was placed in the 524th Authority meeting held on 22.06.2022. The authority noted that this proposal was placed for appraisal in this 278th meeting of SEAC held on 27.05.2022 and the SEAC decided to call for the following details from the PP.

1. As there is a temple close to the site, the PP shall furnish a letter from the Panchayat indicating the details of number of devotees who visit the temple, periodicity, seasonal festivals and whether the Panchayat has any objections to the proposed quarry from the angle of public safety.
2. The PP shall furnish the revised EMP including manpower cost for Blaster, Mines manager, etc.,

The proponent has furnished reply vide Ir. Dt: 31.05.2022. In this connection, the proposal was again placed in this 307th SEAC Meeting held on 26.08.2022.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance considering the safety aspect the ultimate depth of mining upto 35m BGL and the quantity of 332430 Cu.m. of Rough Stone, 141324.75 Cu.m of Gravel and 60567.75 cu.m. of Earth subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the specific conditions:

The proposal was placed in the 552nd Authority meeting held on 19.09.2022. The authority after detailed discussion decided to refer back the proposal to SEAC for


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reappraisal on the receipt of following details from the project proponent.

1. The Project Proponent shall furnish affidavit stating that no mining activity shall be carried out during functioning of temple.
2. Details of safety precautionary measures to be followed/ to be provided during functioning of temple.
3. The Project Proponent shall submit details of impact and the mitigation measures on the nearby windmill and the nearby approach road due to the proposed mining activity.

In this connection, the proposal was again placed in this 322nd SEAC Meeting held on 19.10.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to re-confirm the recommendation already made in 307th SEAC meeting held on 26.09.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

Agenda No. 322-11

(File No. 9009/2022)

Proposed Black Granite quarry over an extent of 2.69.0 Ha in S.F.Nos. 1/1A, 1/1B, 1/2, 1/6A, 1/9 & 1/11, In Siruvadi Village, Marakkanam (formerly Tindivanam) Taluk, Villupuram District, Tamil Nadu by Thiru S. Sumanth Ram (Legal Heir of Thiru Sriram) - For Environmental Clearance. (SIA/TN/MIN/257200/2022 dated: 17.02.2022)

Earlier, this proposal was placed in the 281st Meeting of SEAC held on 03.06.2022 & 299th SEAC meeting held on 23.7.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. S. Sumanth Ram has applied for Environmental Clearance for the proposed Black Granite quarry lease over an extent of 2.69.0 Ha in S.F.Nos. 1/1A, 1/1B, 1/2, 1/6A, 1/9 & 1/11 in Siruvadi Village, Marakkanam (formerly Tindivanam) Taluk, Villupuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and document furnished by the project proponent, SEAC decided to seek the following additional details from the Project Proponent.


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- (i) The project proponent shall get consent from all the pattadhars and register the same, since the mining lease which was originally granted to Thiru.R.Sriram, expired on 31.08.2019.

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

The proposal was placed in this 299th SEAC meeting held on 23.07.2022. Based on the presentation and document furnished by the project proponent, SEAC noted as follows:

1. The project proponent submitted a copy of the registered general power of attorney with other legal hairs.
2. The project proponent has submitted the compliance of condition report vide F.No.EP/12.1/2022-23/SEIAA/46/TN dated 30.06.2022 obtained from the intergrade Regional office (IRO), MoEF&CC, Chennai for the EC already obtained from DEIAA vide Lr. Dated 04.12.2018.
3. The salient feature of the project is as follows:

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	S. Sumanth Ram, (Legal heir of Sriram) S/o. R. Sriram, 1st Floor, Athi Illam, Parson Sristi Apartments, Opposite to Fathima College, Madurai District, Tamil Nadu – 625 018.
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Black Granite quarry
3.	S.F No. of the quarry site with area break-up	S.F.Nos. 1/1A, 1/1B, 1/2, 1/6A, 1/9 and 1/11
4.	Village in which situated	Siruvadi Village
5.	Taluk in which situated	Marakkanam Taluk
6.	District in which situated	Viluppuram District
7.	Extent of Quarry (in ha.)	2.69.0 Ha
8.	Latitude & Longitude of all	12°13'34.00"N to 12°13'40.51"N


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	corners of the quarry site	79°50'01.54"E to 79°50'09.56"E
9.	Topo sheet No.	57- P /16
10.	Type of Mining	Opencast Mechanized Mining
11.	Lease Period	20 years (i.e., 25.10.2010 to 24.10.2030)
12.	Period of Quarrying Planned	five years (i.e. Second Scheme of Mining Period is 2020-21 to 2024-25)
13.	Total Excavation Planned during the above Scheme of Mining Period (Quantity in m ³)	29,977 m ³ (ROM) which includes 2998 m ³ of Black Granite & 26979 m ³ of Granite waste and 7982 m ³ of Top soil. The Annual peak production as per mining plan is 6000 m ³ of ROM (4 th & 5 th years) & production of Black granite 600 m ³ (4 th & 5 th years) with proposed depth of 32m BGL.
14.	Depth of quarrying	32m (2m Topsoil + 30m Black Granite) BGL
15.	Depth of water table	40m BGL
16.	Man power requirement per day:	25 Employees
17.	Precise Area Communication approved by the, industries Department, with date	G.O.(3D) No.46, Industries (MMB.2) Department Dated 04.10.2010. Lease period 20 years – 25.10.2010 to 24.10.2030.
18.	Mining plan approved by Director of Geology and Mining with date	Rc. No. Rc.No.7838/MM4/2021, Dated: 31.01.2022.
19.	Assistant Director, Department of Geology and Mining 500mts letter	Rc. No. B/G&M/124/2021, Dated: 04.02.2022
20.	VAO letter dated	05.02.2022
21.	Project cost (excluding EMP cost)	Rs.1.35 Cores
22.	EMP cost	Rs.3.80Lakhs
23.	CER cost	10.00 lakhs (accepted by PP)



During the appraisal of the project, the PP has furnished a detailed information pertaining to the granite quarrying as given below:

- The production targets are conservative and follow the statutory rules and regulations issued by the Govt to quarry the **Black granite** at this location and sold to international and domestic markets.

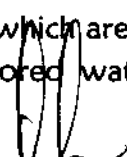

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- The PP is also demarcated a dedicated area within the leasehold area for dumping of the non-saleable granite waste.
- The waste rock (or) overburden/side burden rock (or) other rejects excavated in the quarry is also dumped within the leasehold area and it will be used for constructing the safety berms, bunds for developing the green belt during the life of 20 years and the remaining waste at the end of life will be used for backfilling purposes into the mined-out area of the quarry during the final closure plan.
- In case of non-feasibility of backfilling, the waste dumps will suitably terraced and stabilised by planting adequate vegetation as stipulated by the SEAC, as a part of progressive mine closure plan & rehabilitation plan approved by the competent authority under the provisions of the Granite Conservation & Development Rules, 1999.
- Long term & shorter ecological and environmental impacts such as air pollution due to dust, exhaust emissions or fumes, the discharge of toxic and objectionable effluents, noise arising out during the mining operations of granite and related activities are adequately mitigated in the EMP.
- It is submitted that the environmental impact is directly linked to the total excavation quantity which includes the RoM being mined out from the mineralised zone of quarry and not restricted to saleable production quantity (recovery alone).
- In some period, the situation arises where the recovery falls down to even very low value as 2 to 3% of RoM which neither provides an economically viable operation in the interest of revenue generation for company as well as the State Government and also it is not conducive to protect the environment in a sustainable manner.
- Mining recoverable reserves may vary subject to the quality of Granite mining methodology and the existing Geological features such as structural, textural formations and very significantly, the current market demand for the Granite being mined.
- Further, it is well known that without extracting the Run of Mine (ROM) the recoverable production (recovery) is not possible.
- The total of quantity of granite waste produced during the life of the quarry period will be utilised / dumped as per the conditions stipulated in the approved Mining Plan. Here, in case of utilization of granite waste for further beneficial purposes as per market trend (or) the Govt directions, the company shall get a revised / modified Mining Plan along with Mine Closure Plan from the competent authority.
- The PP have informed that any one of the following five scenarios that will be focused on the reclamation planning of the proposed quarry, which are:


 To use mined land as agricultural purpose as the stored water will be utilised for cultivation;

 To reshape the quarry and design an residential area;

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- To use the area as a place for educational purposes;
- To revegetate the mined land with appropriate species for foresting and
- Using the area as a promenade site/eco park for tourists.

These criteria have been determined according to mine site properties studied earlier through EIA/EMP such as micro and macro climate conditions, hydrology and hydrogeology, chemical and physical properties of soil, geological and geotechnical parameters and etc.

- The PP had indicated that the final mine closure plan includes the action plan for protection of the quarry once it is completed its life (or) abandoned by installing necessary safety provisions such as fencing, etc is provided in the Mining Plan.

The PP have informed that the granite waste blocks produced from the quarry (non-saleable granite) will be transported taking adequate environmental mitigation measures similar to the recovered Granite blocks as stipulated in EMP, in case of processing plant is situated outside the leasehold area.

After detailed deliberations, Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a total production of 29,977 m³ of ROM (which includes 2998 m³ of recoverable Black Granite & 26979 m³ of Granite waste, and 7982 m³ of Top soil for a period of five years) with a Peak Annual Production Capacity of 6000 m³ of ROM, subject to the normal conditions stipulated by MOEF&CC, in addition specific conditions:

Subsequently it was placed in 544th SEIAA meeting held on 19.9.2022 and decided to refer back to SEAC for the following reasons.

- As per the G.O(Ms) No.123 dated 06.12.2021 issued by Environment, Climate Change and forests Department, nadukuppam Village, Kilapakkam Village & Devanandal Village etc stated therein are notified village. It was ascertained from the KML file uploaded by the project proponent, the proposed lease applied area falls within 10 km radius of the Nadukuppam Village, Kilapakkam Village & Devanandal Village (Kazhuveli Bird sanctuary).

The PP has furnished the DFO letter dt.23.9.2022 and the subject was placed in this 322nd meeting of SEAC held on 19.10.2022. After detailed deliberations, the SEAC noted that Kazhuveli Bird Sanctuary has not yet been finally notified and therefore decided to reiterate the minutes of 299th SEAC meeting held on 23.7.2022.


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Agenda No. 322 - 12.

File No. 9040/2022

Proposed Black Granite (Dolerite) quarry lease over an extent of 3.06.0 Ha in S.F.Nos 22/1, 23/1, 2, 24/7, 8, 25/1 and 25/2 of Semmedu village Vikravandi Taluk and Viluppuram District the state of Tamil Nadu by M/s. Stone Trust Enterprises – for Environment Clearance. (SIA/TN/MIN/256739/2022) dated: 02.06.2022

M/s. Stone Trust Enterprises earlier applied seeking Environment Clearance (File No.6873) for the Proposed Black Granite (Dolerite) quarry lease over an extent of 3.06.0 Ha in S.F.Nos 22/1, 23/1, 2, 24/7, 8, 25/1 and 25/2 of Semmedu Village, Vikravandi Taluk, Viluppuram District, Tamil Nadu. The subject was placed before the then Committee in its 136th meeting held on 21.09.2019. SEAC decided not to recommend for issue of Environmental Clearance for the project since the project site is abetting the water tank which has large capacity and the project will adversely impact the storage capacity of the tank and thereby affecting the irrigation and livelihood of the local people of the downstream. Hence SEAC collectively decided that the project is not recommended.

Suppressing the said facts to SEIAA and SEAC, the Proponent has applied again for the same project (File No. 9040) and the proposal was recommended by this Committee in its 281st meeting held on 03.06.2022. Subsequently the subject was placed before the Authority in its 527th meeting held on 01.07.2022 and it was referred back by the Authority for the reasons stated therein. When the subject was listed for discussion in 304th meeting of SEAC held on 20.08.2022, the EIA Coordinator informed the Committee that the Proponent has requested for withdrawal of the application and submitted the withdrawal request vide PARIVESH. Hence the subject was not taken up by the Committee for re-appraisal.

Subsequently the Proponent vide letter dated 02.09.2022, stating that about 8 nos. of hydrogeological studies have been carried out in the past three years for the project, has requested for reconsideration of the proposal. Hence the subject was placed before the Authority during its 559th meeting held on 15.10.2022 to decide on further course of action. The Authority decided to seek Committee's opinion on the withdrawal requested via PARIVESH and the Proponent's letter dated 02.09.2022 seeking reconsideration of the Project.


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Hence the subject was placed in this 322nd meeting of SEAC held on 19.10.2022. After detailed deliberations, the SEAC decided to withdraw the recommendation already made in the 281st meeting held on 03.06.2022 and endorse the decision taken by the previous Committee in its 136th meeting held on 21.09.2019 and to call for the following:

1. SEIAA may call for the explanation of the dealing Engineer for having accepted an already rejected proposal and for not disclosing the history of the case to SEAC.
2. SEIAA may call for an explanation of the EIA Coordinator for deliberately hiding the facts regarding the history of the project proposal to the Committee during appraisal.

Agenda No: 322-13

(File No: 9202/2021)

Proposed Rough stone and Gravel Quarry quarry lease over an extent of 2.00.0 Ha in S.F.Nos.305/A (part) of Karvazhi Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Balusamy Sasikala - Environmental Clearance- Regarding. (SIA/TN/MIN/268847/2022, dated: 23.04.2022)

The proposal was placed for appraisal in this 322nd meeting of SEAC held on 19.09.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

SEAC noted the following:

1. The Project Proponent, Balusamy Sasikala has applied for Environmental Clearance for the proposed Rough stone and Gravel Quarry lease over an extent of 2.00.0 Ha in S.F.Nos.305/A (part) of Karvazhi Village, Aravakurichi Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 2,02,7904m³ of Rough stone and 62,320m³ of Gravel with ultimate depth of 40m BGL.



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4. Earlier the proposal was placed in 303rd SEAC meeting held on 18.08.2022. Based on the presentation made by the proponent, SEAC decided to recommend the proposal for grant of Environmental Clearance.
5. Subsequently, the proposal was placed in the 548th SEIAA meeting held on 01.09.2022.

The Authority after detailed deliberation noted that

- i. TNWRD – Aathupalayam Dam is located at a distance of 880m from the proposed lease area. Hence “NOC from the EE, TNWRD” shall be submitted.
- ii. It is ascertained that the proposed lease area is located at the catchment of Noyyal reservoir in the Upstream side. Since the quarry involves blasting NOC issued by “Dam Safety Directorate of PWD” shall be furnished.
- iii. The project proponent has proposed to mine for an ultimate depth of 40m below the ground level. Hence, the PP shall submit a conceptual/simulation based blast-induced vibration study and hydrological impact study conducted by a reputed Government institutions like IIT Madras, NIT Surathkal, Anna University, NEERI etc., in order to assess the impact on the inflow into the Aathupalayam dam.
- iv. As per the village map submitted by the proponent in the online through Parivesh portal, it is ascertained that village road is observed to pass inside the proposed lease area. Hence, the proponent is requested to obtain consent from the concerned competent authorities.
- v. There is an existing quarry in the proposed lease area and the quarry had been operative for the period from 29.11.2016 to 28.11.2021 in the name of Thiru P.Balusamy and had obtained EC vide Lr. No.SEIAA-TN/F.No.3460/1(a)/EC.No.3186/2015 dated:27.04.2016. Hence, compliance report shall be furnished.


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In the view of the above, the authority decided to refer back the proposal to SEAC to examine with the above-mentioned points and furnish the remarks to SEIAA.

The proposal was again placed in the 322nd SEAC meeting held on 19.10.2022. Based on the presentation made by the proponent, SEAC decided that the proponent shall submit the detailed reply to the points raised by SEIAA after which the proposal will be taken up for consideration by SEAC.

Agenda No. 322 – 14.

(File No. 9255/2022)

Proposed Rough Stone, Jelly and Gravel quarry lease over an extent of 2.08.5Ha at S.F.No.664/5 & 666/2 of AnainthaperumalNadanoor Village, Alangulam Taluk, Tenkasi District, Tamil Nadu by Thiru.J.VincentArockiyasami for Environmental Clearance (SIA/TN/MIN/272322/2022, Dt.16.05.2022)

The proposal was placed in this 301th Meeting of SEAC held on 06.08.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following


1. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru. J.Vincent Arockiya Samy S/o. A.F.Joseph No.12/53A, Railway Feeder Road Ambasamudram Tirunelveli -629004
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone, Jelly and Gravel
3	S.F No. Of the quarry site with area break-up	: 664/5 and 666/2
4	Village in which situated	: Anainthaperumal Nadanoor
5	Taluk in which situated	: Tenkasi
6	District in which situated	: Tirunelveli
7	Extent of quarry (in ha.)	: 2.08.5 Ha
8	Latitude & Longitude of all corners of the quarry site	: 08°49'22.09"N to 08°49'26.51"N 77°24'55.85"E to 77°25'08.11"E
9	Topo Sheet No.	: 58 – H/05

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10	Type of mining		Opencast Semi Mechanized of Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	The precise area communication was issued for the period of 5 years. The approved mining plan was issued for the period of five years & as per approved mining plan, the production should not exceed 167045 Cu.m of Rough Stone & 28422 Cu.m of Gravel. The annual peak production is 33900 Cu.m of Rough Stone (2 nd Year) & 14408 Cu.m of Gravel (2 nd Year). The ultimate depth is 27 m BGL.
13	Depth of quarrying	:	27m below ground level
14	Depth of water table	:	66m-63m BGL
15	Man Power requirement per day:		20 Nos.
16	Source of Water Requirement		water vendors & Bore well
17	Water requirement: 5. Drinking & domestic purposes (in KLD) 6. Dust suppression , Green Belt & Wet Drilling (in KLD)	:	2.5 KLD 1.0KLD 1.0 KLD 0.5 KLD
18	Power requirement		TNEB
19	Whether any habitation within 300m distance	:	No
20	Precise area communication approved by the, District Collector, with date	:	Rc.No.M1/51565/2016, dt:07.06.2021
21	Mining Plan approved by Joint Director / Assistant Director (i/c), Department of Geology and Mining with date	:	Rc.No.M1/51565/2016, dt:22.06.2021
22	Joint Director / Assistant Director (i/c), Department of		Rc.No.M1/51565/2016, dt:22.06.2021


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	Geology and Mining 500m cluster letter		
23	VAO certificate regarding 300m radius cluster		Letter Furnished
24	Project Cost (excluding EMP cost)	:	Rs.67.54Lakhs
25	EMP cost	:	Capital Cost - Rs.11.90 Lakhs Recurring Cost - Rs.58.8 Lakhs/five years.
26	CER cost		Rs.5.0 Lakhs

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 conditions & normal conditions stipulated by MOEF &CC, in addition to the specific conditions:

The proposal was placed in the 546th Authority meeting held on 27.08.2022. The authority after detailed discussion decided refer back the proposal after the receipt of the following additional particulars from the project proponent

- i) KML file shows that distance between the project site & ESZ boundary (Kalakad - Mudanthurai Tiger reserve/WLS) is only 2.6 m, the proponent may get letter from Chief wild life warden/PCCF regard to shortest distance to the ESZ (Kalakad - Mudanthurai Tiger reserve/WLS) from the proposed mining area as per the latitude & longitude coordinates mentioned in the mining plan.
- ii) There appears to be trees & shrubs adjoining the 10Km ESZ boundary in the south west corner of the proposed mining area. Will this vegetation within the proposed mining area form a part of the ESZ boundary.
- iii) Details of type of vegetations including no. of trees & shrubs within South West corner of the proposed mining area. If so, transplantation of such vegetations all along the boundary of the proposed mining area shall committed and mentioned in EMP.
- iv) Details of conservation measures for the proposed mining operation considering Kalakad- Mudanthurai Tiger reserve/WLS in consultation with DFO/ Chief wild life warden/PCCF to be mentioned in EMP.

In this connection, the proposal was again placed in this 322nd SEAC Meeting held on 19.10.2022. Based on the presentation and considering & DFO letter Dt:01.08.2022 submitted by the project proponent, SEAC decided to re-confirm the recommendation already made in 301st SEAC meeting held on 06.08.2022.

Agenda No: 322-15

(File No: 9345/2022)

Proposed Rough stone and Gravel quarry lease over an extent of 0.44.5 Ha (patta) at S.F.Nos. 5/1,14,8,9,10,11 & 5/12B of Keeranur Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Thiru.S.Ganesan (Legal hirer Thiru. G. Vaithishwaran, S/o. S. Ganesan (Applicant) - For Environmental Clearance (SIA/TN/MIN/277361/2022, dated: 09.06.2022)

Earlier, this proposal was placed for appraisal in this 308th meeting of SEAC held on 01.09.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.S.Ganesan, has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 0.44.5 Ha (patta) at S.F.Nos. 5/1,14,8,9,10,11 & 5/12B of Keeranur Village, Kulathur Taluk, Pudukkottai 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. Since the expired of the applicant Thiru.S.Ganesan, the legal hirer Thiru. G. Vaithishwaran, S/o. S. Ganesan (Applicant) has continued the process.
4. The AD mines has issued the letter in this regard.

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru.S.Ganesan S/o.Sinnaiya Pallathupatti,Keeranur, Pudukkottai District -622502
2.	Type of quarrying	Rough stone and gravel
3.	S.F No. of the quarry site with area break-up	5/1,14,8,9,10,11 & 5/12B
4.	Village in which situated	Keeranur
5.	Taluk in which situated	Kulathur
6.	District in which situated	Pudukkottai

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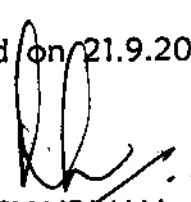
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7.	Extent of Quarry (in ha.)	0.44.0 Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast mechanized method.
10.	Production (Quantity in m ³)	10,660 Cu.m of Rough stone and 864 Cu.m of Gravel with an ultimate depth of mining 15.5 m. Annual peak production – 2400 m ³ of Rough Stone (1 st year) & 864 m ³ of Gravel (1 st year)
11.	Latitude & Longitude of all corners of the quarry site	10°35'55.81"N to 10°36'01.71"N 78°46'37.21"N to 78°46'38.89"N
12.	Topo sheet No.	58 – K/8
13.	Precise Area Communication approved by the District Collector	Rc.No.494/2019(G&M), Dated: 09.03.2022
14.	Mining plan approved by the Assistant Director of Geology and Mining with date	Rc.No.494/2019(G&M), Dated: 09.03.2022.
15.	500mts letter approved by the Assistant Director of Geology and Mining with date	Rc.No.62/2020(G&M), Dated: 09.03.2022
16.	Depth of Mining	15.5 m
17.	Project cost	Rs. 21.94 Lakhs
18.	EMP cost	Rs. 11,58,000 -/-
19.	CER cost	RS.5 lakhs

Based on the presentation and documents furnished by the project proponent, SEAC considering the safety point of view, mining activity falls in SF No. 5/12B & less than 12m width bench shall be removed. Accordingly decided to recommend the proposal for the grant of Environmental Clearance for the restricted production considering the safety point of view of 10,660 cu.m of Rough stone & 864 cu.m of Gravel for an ultimate depth of 15.5 m with annual peak production – 2400 m³ of Rough Stone (1st year) & 864 m³ of Gravel (1st year), subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF & CC, in addition to the specific conditions

Subsequently it was placed in 553rd SEAC meeting held on 21.9.2022 and decided to refer back to SEAC for the following reasons.


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- to obtain the reasons for granting of mining plan which is less than 1 Ha (with total area under mining will be 0.13.7 Ha) with depth of 15.5 m
- A comprehensive report on the slope stability of quarry & safety of employees/ public considering blasting operation, loading and movement haulage trucks from the competent Authority as per the TNMMC Rules 1959.
- Feasibility of the mining operation with respect to the safety of employees/ public considering blasting operation, loading and movement haulage trucks may be examined.
- Width of the section tabulated above is less than 10 m.

Now, this proposal was placed for appraisal in this 322nd meeting of SEAC held on 19.10.2022. During the meeting the EIA Coordinator requested to postpone and reschedule the meeting. Hence, the proposal was not taken up for appraisal.

Agenda No: 322-16

(File No: 9384/2022)

Proposed Multistoried Residential project at S.F. Nos. 34/3, 35/3, 36/1, 36/2, 37, 38, 39/1, 39/2, 39/3, 40, 41, 51/1, 51/2, 52/3, 53/2, 164/1, 164/2, 196, 197, 202/1, 203/1, 203/2, 203/3, 204/1, 204/2, 204/3, 204/4, 204/5, 205, 206/1, 206/2, 206/3, 207/1, 207/2, 221, 223/1 and 223/2 Mahindra World City , Paranur Village, Chengalpattu Taluk, Chengalpattu District, Tamil Nadu by M/s Ashiana Housing Limited - For Environmental Clearance. (SIA/TN/MIS/281315/2022 Dt. 02.07.2022)


The proposal was placed in 310th SEAC Meeting held on 14.09.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

The project was appraised in 555th Authority meeting held on 29.09.2022.

The authority noted that this proposal was placed for appraisal in 310th SEAC Meeting held on 14.09.2022 and the SEAC decided to recommend the proposal for grant of EC subject to certain conditions.


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The Authority noted that,

- (i) The PP has not registered 2.26 acres of land. The PP shall furnish registered lease for all land documents.
- (ii) The PP shall study the impact of Reserve Forest located within 1km.
- (iii) The PP shall revise the plan including child play area and OSR.
- (iv) The PP has not included the recurring cost in EMP. Hence the PP shall revise the EMP including all the parameters.

Now the proposal was placed for appraisal in 322nd meeting of SEAC held on 19.10.2022. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEIAA. The Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to reiterate its recommendation already made in the 310th SEAC Meeting held on 14.09.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

Agenda No: 322- 17

(File No: 9475/2022)

Proposed Sand quarry over an extent of 4.96.0 Ha located at S.F.No: 190(P), Eraiyur Village, Tittagudi Taluk, Cuddalore District, Tamil Nadu by the Executive Engineer, PWD/WRD- For Environmental Clearance. (SIA/TN/MIN/ 291044/2022 Dt.31.08.2022)

The proposal was placed for appraisal in this 322nd SEAC Meeting held on 19.10.2022. 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, The Executive Engineer, PWD/WRD, has applied for Environmental Clearance proposed Sand quarry over an extent of 4.96.0 Ha located at S.F.No: 190(P), Eraiyur Village, Tittagudi Taluk, Cuddalore 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. As per mining plan, the lease period is 1 year and the mining plan for the period 1 year & mining quantity should not exceed 83901 m³ of sand (49,600 m³ of Sand and 34,301 m³ of Shoal). The ultimate depth 1m (0.692m Above Bed Level + 1m Below Bed Level) for a period of one year.


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Based on presentation & documents furnished by the PP, SEAC decided to carry out onsite inspection by the Sub Committee constituted by SEAC to assess the present Environmental Condition. Further, the PP shall furnish the following details during the site inspection.

1. The Project Proponent shall study and report in detail on the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020".
2. Pillar stone shall be erected before the site inspection.
3. Details of existing mining activities carried out in 1 Km either upstream & downstream direction.

On receipt of the Sub Committee report further deliberation will be done.

Agenda No: 322-18

(File No: 9476/2022)

Proposed Sand quarry over an extent of 4.95.0 Ha in Palar River located at S.F.Nos. 536 (P), Karnampattu Village, Katpadi Taluk, Vellore District, Tamil Nadu by the Executive Engineer, PWD/WRD – For Environmental Clearance. (SIA/TN/MIN/290987/2022 Dt. 30.08.2022)

The proposal was placed for appraisal in this 322nd SEAC Meeting held on 19.10.2022. 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 4.95.0 Ha in Cauvery River located at S.F.Nos. 536 (P), Karnampattu Village, Katpadi Taluk, Vellore 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. As per mining plan, the lease period is for one year and the mining plan is for the period of One year & mining quantity should not exceed 52,800 cu.m. of sand per annum. The ultimate depth 1 metres (Below Bed Level).

Based on presentation & documents furnished by the PP, SEAC decided to carry out onsite inspection by the Sub Committee constituted by SEAC to assess the present


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Environmental Condition. Further, the PP shall furnish the following details during the site inspection.

1. The Project Proponent shall study and report in detail on the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020".
2. Pillar stone shall be erected before the site inspection.
3. The proponent is requested to submit the DFO letter regarding the distance of Kilminnal RF from the proposed mine lease area.

On receipt of the Sub Committee report further deliberation will be done.

Agenda No: 322-19

(File No: 9455/2022)

Proposed Sand quarry over an extent of 2.60.0 Ha in Cauvery River located at S.F.Nos. 53(p), Agrahara Kondalam Village, Paramathi velur Taluk, Namakkal District, Tamil Nadu by the Executive Engineer, PWD/WRD- For Environmental Clearance. (SIA/TN/MIN/288372/2022 Dt. 12.08.2022)

The proposal was placed for appraisal in this 322nd SEAC Meeting held on 19.10.2022. 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 2.60.0 Ha in Cauvery river located at S.F.Nos. 53(p), Agrahara Kondalam Village, Paramathi velur Taluk, Namakkal 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. As per mining plan, the lease period is for two years and the mining plan is for the period of two years & mining quantity should not exceed 46,800 cu.m. of sand. The ultimate depth 1.8 metres (0.8m – Above Bed Level & 1m – Below Bed Level).

Based on presentation & documents furnished by the PP, SEAC decided that the


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1. As per the precise area communication letter vide Rc.No.707/Mines/ 2021 Dated: 28.04.2022 had stipulated certain condition. One among the condition states that **"A safety distance of 500 meters should be maintained to the drinking waters infiltration well located in the upstream side of the proposed area and for strict maintains of safety distance to the above drinking water structures the western boundary of the applied area should be demarcated and erected with permanent pillars."**
Hence, the proponent shall submit the details regarding any other infiltration well located within the 500m radius of the proposed mine lease area before carrying out onsite inspection.
2. The Project Proponent shall study and report in detail on the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020".
3. Pillar stone shall be erected before the site inspection.

Hence, SEAC decided to carry out onsite inspection by the Sub Committee constituted by SEAC to assess the present Environmental Condition.

On receipt of the Sub Committee report further deliberation will be done.

Agenda No: 322- 20

(File No: 9458/2022)

Proposed Sand quarry over an extent of 4.95.0 Ha in Cauvery river located at S.F.No: 47(P), Bommalapalayam village, Paramathi velur Taluk, Namakkal District, Tamil Nadu by the Executive Engineer, PWD/WRD- For Environmental Clearance. (SIA/TN/MIN/ 288258/2022 Dt.11.08.2022)

The proposal was placed for appraisal in this 322nd SEAC Meeting held on 19.10.2022. 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, The Executive Engineer, PWD/WRD, has applied for Environmental Clearance proposed Sand quarry over an extent of 4.95.0 Ha in Cauvery river located at S.F.No: 47(P), Bommalapalayam village, Paramathi velur Taluk, Namakkal District, Tamil Nadu.


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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. As per mining plan, the lease period is 2 years and the mining plan for the period of 2 years & mining quantity should not exceed 99000 m³ of sand. The ultimate depth 2m (1m Above Bed Level + 1m Below Bed Level) for a period of Two years.

Based on presentation & documents furnished by the PP, SEAC decided to carry out onsite inspection by the Sub Committee constituted by SEAC to assess the present Environmental Condition. Further, the PP shall furnish the following details during the site inspection.

1. The Project Proponent shall study and report in detail on the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020".
2. Pillar stone shall be erected before the site inspection.

On receipt of the Sub Committee report further deliberation will be done.

Agenda No: 322-21


(File No: 9235/2022)

Proposed Gravel quarry lease over an extent of 1.96.90Ha at S.F.Nos 295/IB1A & 317/1A Sirukulam Village, Sattur Taluk, Virudhunagar District, Tamil Nadu by Thiru. C. Saravanakumar for Environmental Clearance (SIA/TN/MIN/272951/2022,Dated: 18.05.2022)

The proposal was placed in this 322nd SEAC meeting held on 19.10.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following,

1. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.


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S. No	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru. C. Saravanakumar, S/o. SRI.Chellapandian, 1/57, East street, Nathathupatti, Sattur , Virudhunagar -626 202
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Gravel Quarry
3.	S.F No. of the quarry site with area break-up	295/1B1A & 317/1A
4.	Village in which situated	Sirukulam
5.	Taluk in which situated	Sattur
6.	District in which situated	Virudhunagar
7.	Extent of Quarry (in ha.)	1.96.90 ha
8.	Period of Quarrying proposed	Three years
9.	Type of Mining	Opencast semi mechanized method
10.	Production (Quantity in m ³)	31,050 m ³ of Gravel
11.	Latitude & Longitude of all corners of the quarry site	09°21'16.6"N to 09°21'20.1"N 77°59'59.8"E to 77°59'54.0"E
12.	Topo sheet No.	58 G/15
13.	Man power requirement per day:	10 Employees
14.	Precise Area Communication approved by the Deputy Director, Assistant Director.	Na.Ka.No.KV3/1049/2021 – Kannimam Dated:12.04.2022
15.	Mining plan approved by the Assistant Director, Geology & Mining.	Roc.No.KV3/1049/2021 Dated:26.04.2022
16.	500mts letter approved by the Assistant Director, Geology & Mining.	Roc.No.KV3/1049/2021 Dated:26.04.2022
17.	Water requirement: 1. Drinking water (in KLD) 2. Utilized water (in KLD) 3. Dust Suppression (in KLD) 4. Green Belt (in KLD)	1.0 KLD 0.25 KLD, 0.5KLD 0.25 KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB No Electricity is needed for Mining operation.
19.	Depth of Mining	2m BGL
20.	Depth of Water table	40-45m
21.	Project cost	Rs. 8,69,702/-
22.	EMP cost	Capital cost- Rs. 7.60 lakhs Recurring cost/annum- Rs. 2.0 lakhs

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23.	CER cost	Rs.2 lakhs
24.	VAO letter dated	13.04.2022

Earlier, this proposal was placed in the 300th meeting of SEAC held on 04.08.2022. Based on the presentation made by the proponent SEAC decided to obtain the following details from the PP,


1. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
2. The project proponent shall furnish Soil analysis report indicating the composition/component of the minerals proposed to be quarried obtained from **anyone of the following test laboratories** authorized by the Director of Geology and Mining as directed in the above Judgement.

1.	Department of Civil Engineering, National Institute of Technology, Trichy – 620015.
2.	Regional Testing Laboratory, Mellur, Industrial Estate, K. Pudur, Madurai – 625020.
3.	Division of Soil Mechanics and Foundation Engineering, Dept of Civil Engineering, Anna University, CEG Campus, Guindy, Chennai – 600025.

3. The proponent shall furnish a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.
4. The proponent shall furnish Registered lease deed document.

Subsequently, this proposal was placed in the 545th Authority meeting held on 26.08.2022. After detailed discussion, the Authority decided to obtain following details from the PP in addition to the above.

1. The PP shall carry out a study on Biodiversity in the proposed mining area.
2. The impacts of mining on flora, fauna & soil microorganisms in the mining area shall be studied.
3. The PP shall furnish details of soil erosion management and soil conservation plan.


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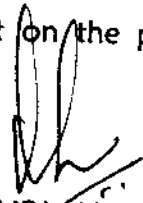

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4. Impacts of mining on the waterbodies and roads situated in the vicinity of the project area shall be studied.

Now, the subject was again placed for reappraisal in this 322nd SEAC meeting held on 19.10.2022. 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 conditions & normal conditions stipulated by MOEF & CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.
3. 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.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. 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.
6. 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.


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7. 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.
8. 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. 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.
9. 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 boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
10. **Noise and Vibration Related:** (i) 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, (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
11. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations and the abandonment of the granite quarry as assured in the Environmental Management Plan & the approved Mine Closure Plan.
12. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
13. 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.

14. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
15. The proponent shall ensure that the transportation of the quarried granite stones 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 granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
16. 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.
17. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per.
18. 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.
19. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the Granite Conservation and Development Rules 1999, 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.
20. 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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21. 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.
22. 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.
23. 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.
24. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
25. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
26. The mining lease holders 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 which is fit for growth of fodder, flora, fauna etc.
27. 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 adhere to the EMP as committed.
28. As accepted by the Project Proponent the CER cost is Rs. 2.0 lakhs and the amount shall be spent for the committed activities for Government Primary School, K.Mettupatti village before obtaining CTO from TNPCB.

Agenda No: 322 -22

(File No: 9474/2022)

Proposed Sand quarry over an extent of 4.90.0 Ha in Thenpennai River located at S.F.No.1(P) in Akkadavalli Village, Panruti Taluk, Cuddalore District, Tamil Nadu by The Executive Engineer, PWD/WRD- For Environmental Clearance. (SIA/TN/MIN/290813/2022 Dt. 30.08.2022)

The proposal was placed for appraisal in this 322nd SEAC Meeting held on 19.10.2022. 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, The Executive Engineer, has applied for Environmental Clearance for the Proposed Sand quarry over an extent of 4.90.0 Ha in Thenpennai river located at S.F.No.1(P) in Akkadavalli Village, Panruti Taluk, Cuddalore 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. As per mining plan, the lease period is one year and the mining plan for the period of One year & mining quantity should not exceed 1,14,380 m³ (65,380 m³ of Shoal above TBL (1.334m) + 49,000 m³ of sand below TBL (1m). The ultimate depth 1m Below Theoretical Bed Level.

Based on presentation & documents furnished by the PP, SEAC decided to carry out onsite inspection by the Sub-Committee constituted by SEAC to assess the present Environmental Condition.

1. The Project Proponent shall study and report in detail on the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020".
2. Pillar stone shall be erected before the site inspection.

On receipt of the Sub Committee report further deliberation will be done.


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Agenda No: 322- 23

(File No: 9492/2022)

Proposed Sand quarry over an extent of 4.93.0 Ha in Cauvery river located at S.F.No: 170 (P), Sarkar Manapalli Village, Mohanur Taluk, Namakkal District, Tamil Nadu by the Executive Engineer, PWD/WRD- For Environmental Clearance. (SIA/TN/MIN/288558/2022 Dt.17.08.2022)

The proposal was placed for appraisal in this 322nd SEAC Meeting held on 19.10.2022. 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, The Executive Engineer, PWD/WRD, has applied for Environmental Clearance proposed Sand quarry over an extent of 4.93.0 Ha in Cauvery river located at S.F.No: 170 (P), Sarkar Manapalli Village, Mohanur Taluk, Namakkal 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. As per mining plan, the lease period is 2 years and the mining plan for the period of 2 years & mining quantity should not exceed 93,177m³ of sand. The ultimate depth 1.89m (0.89m Above Bed Level + 1m Below Bed Level) for a period of Two years.

Based on presentation & documents furnished by the PP, SEAC decided to carry out onsite inspection by the Sub Committee constituted by SEAC to assess the present Environmental Condition. Further, the PP shall furnish the following details during the site inspection.

1. The Project Proponent shall study and report in detail on the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020".
2. Pillar stone shall be erected before the site inspection.

On receipt of the Sub Committee report further deliberation will be done.


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Agenda No: 322- 24

(File No: 9493/2022)

Proposed Sand quarry over an extent of 4.80.0 Ha in Cauvery river located at S.F.No: 170 (P), Pettapalayam Village, Mohanur Taluk, Namakkal District, Tamil Nadu by the Executive Engineer, PWD/WRD- For Environmental Clearance. (SIA/TN/MIN/287975/2022 Dt.10.08.2022)

The proposal was placed for appraisal in this 322nd SEAC Meeting held on 19.10.2022. 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, The Executive Engineer, PWD/WRD, has applied for Environmental Clearance proposed Sand quarry over an extent of 4.80.0 Ha in Cauvery river located at S.F.No: 170 (P), Pettapalayam Village, Mohanur Taluk, Namakkal 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. As per mining plan, the lease period is 2 years and the mining plan for the period of 2 years & mining quantity should not exceed 94080 m³ of sand. The ultimate depth 1.96m (0.96m Above Bed Level + 1m Below Bed Level) for a period of Two years.

Based on presentation & documents furnished by the PP, SEAC decided to carry out onsite inspection by the Sub Committee constituted by SEAC to assess the present Environmental Condition. Further, the PP shall furnish the following details during the site inspection.

"The Project Proponent shall study and report in detail on the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020".

On receipt of the Sub Committee report further deliberation will be done.

Agenda No. 322-TA-1

File No. 7423/2020

Proposed Sand quarry lease over an extent of 4.90.0 Ha in S.F.Nos. 231A(P), Madhavaperumalkoil Village, Manachanallur Taluk, Tiruchirappalli District, Tamil Nadu by the Executive Engineer - For Environmental Clearance. (SIA/TN/MIN/293108/2022)


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The proposal was placed in this 322nd SEAC meeting held on 19.10.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, The Executive Engineer has obtained Environmental Clearance for the Proposed Sand quarry lease over an extent of 4.90.0 Ha in S.F.Nos. 231A(P), Madhavaperumalkoil Village, Manachanallur Taluk, Tiruchirappalli District, Tamil Nadu vide SEIAA-TN/F.No.7423/EC/1(a)/4312/2020 Dt. 3.9.2020 with valid up to 2 years from the date of execution of mining lease.
2. The project/activity is covered under Category "B" of item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. It is proposed to quarry 67,095 cu.m of sand shoals and 49,000 cu.m of sand, overall – 1,16,098 Cu.m.
4. Now the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIN/293108/2022 dated: 18.10.2022 for the extension of validity of Environmental Clearance issued .
5. The PP had cited the reasons of the outbreak of the Corona virus (covid-19) and subsequent lockdowns and flood in River Coleroon which were unable to proceed further quarrying operation.
6. The PP also furnished the AD Geology & Mines vide Lr Dt.17.10.2022 and stated that

Sl.No	Particulars	
1.	Duration of operation	5.11.2020 to 8.5.2021
2.	No of Days	122 days
3.	Qty of sand quarried out	15569.95 Cu.m
4.	Duration of operation	25.4.2022 to 06.7.2022
5.	No of Days	46 days
6.	Qty of sand quarried out	11421.88 Cu.m


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7.	Total No of day operated	168 days
8.	Total qty of sand quarried out	26,991.83 Cu.m
9.	Qty of sand to be quarried out	89106.17 Cu.m

The SEAC had observed the MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, stating that *".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid....."*.

The SEAC also observed that the lease was executed on 2.11.2020.

Hence, the SEAC after detailed discussions confirmed that the Environmental Clearance issued is valid up to 2.11.2023 as per the aforesaid MoEF Notification dated 18.01.2021 for the remaining quantity 89106.17m³ of sand, subject to the other conditions stipulated in the EC vide Lr.No. SEIAA-TN/F.No.7423/EC/1(a)/4312/2020 Dt. 3.9.2020 remains unchanged and unaltered.

Agenda No. 322-TA-2

File No.7424/2020

Existing sand quarry lease over an extent of 4.50.0 Ha in S.F.Nos. 147(P), Thalakudi Village, Lalgudi Taluk, Tiruchirappalli District, Tamil Nadu by the Executive Engineer - For Environmental Clearance. (SIA/TN/MIN/293105/2022)

The proposal was placed in this 322nd SEAC meeting held on 19.10.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, The Executive Engineer has obtained Environmental Clearance for the Proposed Sand quarry lease over an extent of 4.50.0 Ha in S.F.Nos. 147(P), Thalakudi Village, Lalgudi Taluk, Tiruchirappalli District, Tamil Nadu vide SEIAA-


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TN/F.No.74234/EC/1(a)/4313/2020 Dt. 3.9.2020 with valid up to 2 years from the date of execution of mining lease.

2. The project/activity is covered under Category "B" of item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. It is proposed to quarry 25477 cu.m of sand shoals and 45000 cu.m of sand, overall – 70477 Cu.m.
4. Now the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIN/293105/2022 dated: 18.10.2022 for the extension of validity of Environmental Clearance issued .
5. The PP had cited the reasons of the outbreak of the Corona virus (covid-19) and subsequent lockdowns and flood in River Coleroon which were unable to proceed further quarrying operation.
6. The PP also furnished the AD Geology & Mines vide Lr Dt.17.10.2022 and stated that

Sr.No	Particulars	Remarks
1.	Duration of operation	5.11.2020 to 30.4.2021
2.	No of Days	117 days
3.	Qty of sand quarried out	19923.20 Cu.m
4.	Duration of operation	22.4.2022 to 16.7.2022
5.	No of Days	70 days
6.	Qty of sand quarried out	13991.52 Cu.m
7.	Total No of day operated	187 days
8.	Total qty of sand quarried out	33914.72 Cu.m
9.	Qty of sand to be quarried out	36,562 Cu.m

The SEAC had observed the MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, stating that ".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of


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outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid.....”.

The SEAC also observed that the lease was executed on 2.11.2020.

Hence, the SEAC after detailed discussions confirmed that the Environmental Clearance issued is valid up to 2.11.2023 as per the aforesaid MoEF Notification dated 18.01.2021 for the remaining quantity 36562m³ of sand subject to the other conditions stipulated in the EC vide Lr.No. SEIAA-TN/F.No.7424/EC/1(a)/4313/2020 Dt. 3.9.2020 remains unchanged and unaltered.


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ANNEXURE-I

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 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.
12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper escapements 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. **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.
14. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
15. 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.
16. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
17. 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.


18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.

26.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.

27.The mining lease holders 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 which is fit for growth of fodder, flora, fauna etc.

28.The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the **Appendix –II** of this minute.


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Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமர
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon swietenia</i>	Purasamaram	புரச மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூலி
18	<i>Creteva adamsoni</i>	Mavalalingum	மாவலிங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro sebum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்பூங்க
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
27	<i>Lannea coromandelica</i>	Odhiam	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	அழம்பா, பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eechai	எச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

40	<i>Premna mollissima</i>	Munnai	முன்னை
41	<i>Premna serratifolia</i>	Narumunnai	நறு முன்னை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூவரசு
43	<i>Prosopis cinerea</i>	Vanni maram	வன்னி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வேண்டாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjiva roxburghii</i>	Karipala	கரிபலா
48	<i>Salvadora persica</i>	Ugaa Marani	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிப்புகன் சோபுகையி
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தாங் கோட்டை
54	<i>Syzygium cumini</i>	Navai	நாவை
55	<i>Terminalia belleric</i>	Thandri	தாந்திரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேன் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தாந வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்சுரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்பூசி


Appendix –II

Display Board (Size 6' x5' with Blue Background and White Letters)

—கரங்கம்

கரங்கங்களில் குவாரி செயல்பாடுகளுக்கான கற்றுத்தழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEAA/____, தேதி____, கற்றுத்தழல் அனுமதி____, தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகலம் பகுதி வளர்ச்சி	குவாரியின் எல்லைவரை சுற்றி வேலி அமைக்க வேண்டும்.
மேம்பாட்டுக்கான கனக்கத் திட்டம்	கனக்கப்பாளையின் ஆழம் குறைமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும்.
நடப்பட்டு	கனத்தில் மாக ஏற்படாதவாறு கனக்க பணிகளை மேற்கொள்ள வேண்டும்.
பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	வகைகளில் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறைப்பாக தண்ணீர் லாங்கினின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.
	இதரச்சல் அளவைகளும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லைவரை சுற்றி அடர்த்தியான பகலம் பகுதியை ஏற்படுத்த வேண்டும்.
	கனக்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் கற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உள்விப்பாக செயல்படுத்தப்பட வேண்டும்.
	கரங்கத்தில் இருந்து ஏற்படும் இதரச்சல் அளவு 85 டெசிபல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.
	கனக்க சட்ட விதிகள் 1986ன் கீழ் கரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு சுகாதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.
	கிராமம் அல்லது பஞ்சாயத்து வட்டியாக வாகனங்கள் செல்லும் எல்லைவரை தெடர்ந்து நன்கு பராமரிக்க வேண்டும்.
	கரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்திறைகள் பாதிக்கப்படக் கூடாது.
	நீர்திறைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தெடர்ந்து கண்காணிக்க வேண்டும்.
	கரங்கத்திலிருந்து கனம் பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் கற்றுத்தழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.
	கரங்கப்பணிகள் முடிக்கப்பட்டவுடன் கனக்க மூடல் திட்டத்தில் உள்ளவாறு கரங்கத்தினை மூட வேண்டும்.
	கரங்க நடவடிக்கைகளை முடித்தபின்னர் கரங்கப் பகுதி மற்றும் கரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகலம்பகுதியை உருவாக்க வேண்டும்.
	முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ் (http://parivesh.nic.in), என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் எந்தவித கற்றுத்தழல் சாத்த புலங்களுக்கு சென்னையில் உள்ள கற்றுத்தழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டாய அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட கற்றுத்தழல் பொறியாளரை அணுகவும்.


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