

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 353rd meeting of the State Expert Appraisal Committee (SEAC) held on 9.02.2023 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects

Agenda No: 353 - 01

(File No: 8241/2021)

Proposed Rough Stone Quarry over an extent of 2.43.0 Ha in SF.No. 1007/1 & 1008/1A4, Virachilai I Pit Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru.K.Muthaiah - For Environmental Clearance. (SIA/TN/MIN/193581/2021 dated. 19.01.2021)

The proposal was placed in the 353rd SEAC meeting held on 09.02.2022. The details of the proposed quarry furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted of the following:

1. The Project Proponent, Thiru.K.Muthaiah has applied for Environmental Clearance for the Proposed Rough Stone Quarry over an extent of 2.43.0 Ha in SF.No. 1007/1 & 1008/1A4, Virachilai I Pit Village, Thirumayam Taluk, Pudukkottai 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. Earlier, this proposal was placed in the 253rd SEAC Meeting held on 11.3.2022. Based on the presentation made by the proponent and the documents furnished, decided to recommend the proposal for the **grant of Environmental Clearance for production for not exceeding 2,79,584 m³ of rough stone and 5710 m³ of Top soil with proposed depth – 42m (including existing depth-26m),** subject to the specific conditions, in addition to normal conditions stipulated by MOEF &CC stated therein.
4. Subsequently, this proposal was placed in the 497th Authority Meeting held on 07.04.2022. After detailed discussions, Authority noted from the minutes of the 253rd SEAC Meeting held on 11.3.2022. SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to certain conditions, one among others


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- i. The proponent shall furnish certified compliance report on existing EC issued to TNPCB before obtaining CTO and copy furnished to SEIAA-TN

In view of above conditions stated by SEAC, SEIAA noted MoEF&CC, GoI has issued Office Memorandum vide F.No.J-11011/618/2010-IA-II (I) dated: 30.05.2012 has stated that

"...2. It has been now decided that while submitting the application for consideration for grant of environmental clearance of all expansion projects under the EIA Notification, 2006, the project proponent shall henceforth submit a certified report of the status of compliance of the conditions stipulated in the environmental clearance for the ongoing / existing operation of the project by the Regional Offices of the Ministry of Environment and Forests.

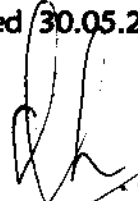
3. The status of compliance of the conditions stipulated in the environmental clearance as highlighted in the report(s) will be subsequently discussed by the respective Expert Appraisal Committees during the appraisal of the expansion proposal and duly recorded in the minutes of the meeting. Applications for expansion project received without the compliance status as mentioned in para no.2 above shall not be accepted and placed for consideration before the Expert Appraisal Committees..."

MoEF&CC, GoI has issued Office Memorandum vide F.No.J-11013/6/2010-IA-II Part dated: 07.09.2017 has stated that

"...3. Regional Offices of the Ministry are requested to submit certified compliance report within one month of receipt of such requests from the Member Secretary of the sectoral EAC. In case the inspection is not carried out within one month, the certified compliance report from the concerned Regional Offices of Central Pollution Control Board (CPCB) or the Member Secretaries of the respective State Pollution Control Boards shall also be accepted for deliberations by the sectoral EAC..."

In view of the above, Authority decided to refer back the proposal to SEAC to consider this proposal as per the O.M issued by MoEF&CC dated 30.05.2012 & 07.09.2017 as mentioned in Para 3 stated above.


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5. Again, this proposal was placed in the 267th SEAC Meeting held on 28.04.2022. The SEAC decided that, although the O.M referred by SEIAA above is applicable to expansion/ongoing projects only, the project proponent shall submit certified compliance report for the earlier EC obtained by the PP.

I. In addition, a letter from the concerned District Forest Officer stating the exact distance of location of proposed quarry to the nearest Paniyur R.F.

6. Again, this proposal was placed for appraisal in the 316th SEAC meeting held on 30.09.2022. During the meeting the Committee noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

Now, the PP had submitted the Certified Compliance Report for the earlier EC obtained by the PP vide E.P/12.1/2022-23/SEIAA/75/TN/796 dated: 27.07.2022. Hence, the proposal was placed in this 353rd SEAC meeting held on 09.02.2023. The SEAC carefully examined the replies furnished by the PP and decided to reiterate its recommendation already made in the 253rd SEAC Meeting held on 11.03.2022. All other conditions recommended will also remain unchanged.

Agenda No:353-02

(File No: 8291/2021)

Proposed Earth quarry lease over an extent of 2.49.5 Ha at S.F.Nos: 1415/1,1415/3,1415/7,1415/9, 1416/11, 1416/15, 1416/12, 1416,22, 1416/17 of R.Kombai Village, Vedasandur Taluk, Dindigul District, Tamil Nadu by Tvl.Asokans The Bricks Industrial Corporation- For Environmental Clearance. (SIA/TN/MIN/ 138873/2020 Dt. 03.08.2021)

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

The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or


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license given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued the certain directions.

Based on the documents furnished, SEAC therefore directed the proponent to submit the following additional details for further processing the proposal.

1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment.
2. The proponent should produce 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.

On the receipt of the reply, it was again been placed in 306th SEAC meeting held on 25.8.2022. The Project proponent has not turned up for the meeting (Absent) due to personal reasons and the consultant requested for deferring the proposal. The Committee, therefore, **decided to defer the proposal.**

Now the proposal was placed in the 352nd Meeting of SEAC held on 08.02.2023. The SEAC noted that the Govt of Tamil Nadu vide G.O Ms No. 175 EF & CC Dt. 12.10.2022 has notified Kadavur Slender Loris Sanctuary in Karur & Dindigul District under the Wild Life (Protection) Act, 1972, for which ESZ is yet to be notified by the MoEF&CC, and the proposed project site also lies very close (i.e., 259 m) to the protected areas, the project is not recommended as per the Supreme Court's order dated 3rd June, 2022. Therefore, SEAC decided that not to recommend the proposal for grant of Environmental Clearance.

Agenda No: 353-03

(File No: 8543/2022)

Proposed Brick Earth quarry lease over an extent of 0.81.20 Ha at S.F.No.36/1A2 of Vembedu Village, Uthukkottai Taluk Tiruvallur District, Tamil Nadu by Thiru. G.Venkatesan - For Environmental Clearance. (SIA/TN/MIN/413528/2023 Dated 9.01.2023)

Earlier, this proposal was earlier placed for appraisal in the 252nd meeting of SEAC held on 10.03.2022 and the proponent made presentation on the project.

The details of the project furnished by the proponent are given in the website

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(parivesh.nic.in).

The Committee noted that,

1. The Project Proponent, Thiru. G. Venkatesan has applied for Environmental Clearance for the proposed Brick Earth quarry lease over an extent of 0.81.20 Ha at S.F.No.36/1A2 of Vembedu Village, Uthukkottai Taluk Tiruvallur 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.

The Committee directed the proponent to submit the following additional details for further processing of the proposal.

1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W'P'(MD) Nos.20903 of 2016.23452,24495, 17370 and 18035 of 2019 dated 12.02'2021.
2. The proponent should produce 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 said Judgment.

On receipt of the additional particulars from the Proponent, the proposal has again been placed for appraisal in this 297th meeting of SEAC held on 21.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

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

The Committee noted that the **Vembedu** Reserve Forest is located at a distance of 900m from this project site and the proposal is, therefore, hit by the above G.O.


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The Committee, therefore, decided not to recommend the proposal.

"As per the G.O. (Ms.) No. 243 industries, Investment promotion and Commerce (MMC.1) Department dated 14.12.2022, Amendment to the Tamil Nadu Minor Mineral Concession Rules, 1959 as follows,

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

Based on the above said G.O. The Proponent has resubmitted the same proposal on 9.01.2023 with all necessary supporting documents in order to obtain Environmental Clearance. Now the proposal was placed in the 352nd Meeting of SEAC held on 08.02.2023 and SEAC noted that the PP was absent. Therefore, SEAC decided to defer the proposal.

Agenda No:353 - 04

(File No: 8593/2021)

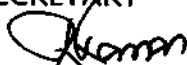
Proposed Black Granite (Dolerite) quarry lease over an extent of 4.88.5Ha at S.F.Nos. 386(Part) Alapuram Village, Pappireddypatti Taluk, Dharmapuri District, Tamil Nadu by M/s.Sri Mangala Rocks - For Environmental Clearance. (SIA/TN/MIN/214961/2021, dated:12.06.2021)

The proposal was placed for appraisal in this 353rd meeting of SEAC held on 09.02.2023. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).


The SEAC noted the following:

1. The project proponent, M/s.Sri Mangala Rocks has applied for Environmental Clearance for the Proposed Black Granite (Dolerite) quarry lease over an extent of 4.88.5Ha at S.F.Nos. 386(Part) Alapuram Village, Pappireddypatti 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.

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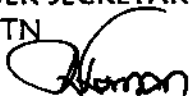
3. The production for the five years states that the total quantity of 7% of recoverable as 1809cu.m of Black Granite (Dolerite) and the ultimate depth of mining is 31m below ground level.
4. Based on the initial discussion and documents furnished by the project proponent, SEAC noted that the Ministry of Mines, GoI vide order Dt: 03.06.2020 has issued guidelines for auction of minerals blocks for pre - embedded clearance for mining projects as follows,

"Each State should identify at least five mineral blocks for auction with pre-embedded clearance. The State Government may set up a Project Monitoring Unit (PMU) to complete the preparatory work for obtaining the requisite clearances / approvals and related work. The PMU will become the applicant for all the clearances required to start the mining operations.

Since Mining Plan is the basic document to start mining operation on which hinges the EC and FC, the PMU under the State Government should get the Mining Plan prepared by engaging a qualified person (QP) as per the revised proforma prescribed by Indian Bureau of Mines which is attached with this document (Annexure 1). The EMU should approach the Indian Bureau of Mines for approval of such mining plan/scheme of mining Indian Bureau of Mines will approve the mining plan/scheme of mining submitted to them by the PMU within a period of fifteen days, allowing successful bidder the flexibility to either enhance or reduce the production limit by 25%.

FC has two stages. Details are available on the PARIVESH portal of MOEF&CC (<https://parivesh.nic.in>). Up to FC Stage-I, no financial Commitment is required or levy is to be paid, except for bearing the cost of enumeration of trees on forest land sought for diversion and some sundry expenses. High costs are involved at FC stage-II It is understood that PMU may not be able to deposit huge sums on account of NPV, compensatory afforestation, cost of trees and other related levies and charges as applicable in FC Stage-II. Hence, PMU will obtain FC stage-I only. And, the successful bidder will make payments accordingly and obtain FC Stage-II. Expenditure incurred by PMU towards processes to be completed for obtaining FC Stage-I including demarcation of land and enumeration of trees etc. shall be initially borne by the State Government and subsequently recouped by charging from the

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successful bidder at the time of execution of mining lease or transfer of clearance, whichever is earlier.

For EC, the PMU will complete the process and obtain the same along with FC Stage-1. Any expenditure involved in the processes including payments to ELA consultant, cost of getting Environment Public Hearing conducted and other related expenses will be initially borne by the State Government and subsequently recouped by charging the same from the successful bidder at the time of signing mining lease or transfer of clearance, whichever is earlier.

The PMU should simultaneously obtain EC and prior approval for FC Stage-1 clearance for diversion of forest and for non-forest purpose for the operation of mining as per the guidelines issued by MoEF& CC dated 29.04.2020. While giving EC, there should be flexibility for the successful bidder to either enhance or reduce production limit by 25%, without requiring him to obtain fresh EC approval.

Since obtaining land rights for mining is another time consuming process, the PMU should get the land rights for mining in case of both governments as well as privately owned land.

The State government should also apply and obtain all other clearances which are required for the lessee to start the mining operations. The lists of clearances are at Annexure III. The fees for obtaining these clearances shall also be initially borne by State Government and subsequently recouped by charging it from successful bidder at the time of signing mining lease or transfer of clearances, whichever is earlier.

Appropriate provisions should be made in the bid document for auction for charging from the successful bidder all the expenditure incurred by the State Government on account of the engagement of PMU and also for obtaining clearances/approvals.

The above clearances may be transferred to the successful bidder seamlessly so that mining operations start without any delay.

These identified mineral blocks with pre-embedded clearances may be auctioned along with the other mineral blocks without pre-embedded clearances. Based on the experience from auction of the identified mineral blocks on pilot basis, further step will be taken towards mainstreaming the concept of auction with pre-embedded clearances of National Mineral Policy, 2019 approved by the Cabinet".

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In view of the above order, SEAC has decided to refer the above office memorandum of MoEF&CC to SEIAA for further clarification in detail regarding eligibility of this application for appraisal in regard to the Ministry of Mines, Gol orders Dt: 03.06.2020 in regard to guidelines for auction of minerals blocks for pre - embedded clearance for mining projects.

The Member Secretary, SEIAA-TN has issued a clarification vide SEIAA Lr. No. SEIAA-TN/SEAC Communications/2020 dated: 24.06.2021 and it is stated as follows,

"I invite kind your attention to above subject, where a lot of representations have been brought to the notice of recently from the proponents regarding the Applicability of per-embedded prior Environmental/Forest Clearance for mining projects - Auctioning of mineral blocks with per-embedded prior Environmental/Forest Clearance for the identified mineral block with proven reserves (proposed mining lease areas).

As per Ministry of Mines, Letter No. 161412020-M.VI Dated: 3rd June, 2020, the Ministry of Mines, Gol has addressed the Chief Secretaries of all States with a direction stating that the State Government to follow the guidelines for pre-embedded clearances annexed with this order and implement the same in letter and spirit and the States should implement this mechanism on pilot basis in respect of identified mineral blocks, which could be auctioned with pre-embedded clearances and issued following guidelines among others:

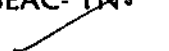
The State Government may set up a Project Monitoring Unit (PMU) to complete the preparatory work for obtaining the requisite clearances / approvals and related work. The PMU will become the applicant for all the clearances required to start the mining operations.

Since Mining Plan is the basic document to start mining operation on which hinges the EC and FC, the PMU under the State Government should get the Mining plan prepared by engaging a qualified person (QP) as per the revised proforma prescribed by Indian Bureau of Mines, the PMU should approach the Indian Bureau of Mines for approval of such mining plan/scheme of mining. Indian Bureau of Mines will approve the mining plan/scheme of mining submitted to them by the PMU within a period of fifteen days, allowing successful bidder the flexibility to either enhance or reduce the production limit by 25%.

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From the point (ii) above, it clear that the above guidelines for the pre-embedded clearance is applicable only for major minerals, since the Guidelines states that Project Monitoring Unit (PMU) should approach the Indian Bureau of Mines for approval of such mining plan/scheme of mining - IBM approves mining plan/scheme of mining of major minerals, whereas the mining plans are approved by Department of Geology and mining/State Government for minor minerals. Hence it is requested that the revaluation applications may be appraised accordingly."

Based on the report/documents furnished by the Project proponent, after detailed discussion and clarification letter provided by SEIAA, the committee felt the SEIAA may get a clarification from MoEF&CC in this regard about the applicability of Ministry of Mines, GoI vide order Dt: 03.06.2020 for minor minerals."

On receipt of aforesaid details SEAC decided to take up in anyone of the forthcoming SEAC meetings.

5. Subsequently, the proposal was placed in the 478th Authority meeting held on 29.10.2021. In view of the above, the Authority decided to request the Member Secretary, SEIAA to get the clarification from the Ministry of Environment, Forest and Climate Change, GoI regarding the applicability of guidelines for pre-embedded clearance for minor minerals issued by Ministry of Mines vide letter No. 16/4/2020-M.VI Dated: 3rd June, 2020. Further, MS/SEIAA may address the Director of Mines regarding the action taken status on implementation of guideline issued by the Ministry of Mines, Government of India vide letter No. 16/4/2020-M.VI Dated: 3rd June, 2020, addressed to Chief Secretaries with a direction stating that the State Government to follow the guidelines for pre-embedded clearances annexed with the order and implement the same in letter and spirit and the States should implement this mechanism on pilot basis in respect of identified mineral blocks, which could be auctioned with pre- embedded.
6. Again, the proposal was placed in the 263rd SEAC meeting held on 09.04.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to call for the following details from the project proponent.

The project proponent shall furnish a letter from DFO stating that the exact location of the **Minisi RF** located from the project site.


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7. The proposal was placed in the 508th Authority meeting held on 19.05.2022.
In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 09.04.2022.

| Sl. No. | Particulars | Details |
|---------|--|--|
| 1 | Name of the Owner/Firm | : M/s.Sri Mangala Rocks No.74-A, Madhanakuppam Kuppam Main Road, Varattanapalli Post Krishnagiri -635120 |
| 2 | Type of quarrying | : Black Granite (Dolerite) |
| 3 | S.F No. Of the quarry site with area break-up | : 386(Part) |
| 4 | Village in which situated | : Alapuram |
| 5 | Taluk in which situated | : Pappireddypatti |
| 6 | District in which situated | : Dharmapuri |
| 7 | Extent of quarry (in ha.) | : 4.88.5 ha |
| 8 | Period of quarrying proposed | : 5 years |
| 9 | Type of mining | Opencast Mechanized Mining |
| 10 | Production (Quantity in m ³) | : ROM – 25,840m ³ Granite recovery – 1,809m ³ Granite Waste – 24,031m ³ |
| 11 | Latitude & Longitude of all corners of the quarry site | : 11°56'47.03"N to 11°56'56.75"N 78°21'06.97"E to 78°21'19.19"E |
| 12 | Topo Sheet No. | : 581/05 |
| 13 | Man Power requirement per day: | 30Nos |
| 14 | Precise area communication approved by the Industries (MME.2) Department with date | : Letter No.276/MME.2/2021 – 1, Dated: 23.02.2021 |


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| 15 | Mining Plan approved by the Assistant Director (i/c), of Geology and Mining with date | : | Rc. No. 6174/MM4/2020, dated: 21.05.2021 |
| 16 | Water requirement: 1. Drinking & domestic purposes 2. Dust suppression 3. Green Belt | : | 5.5 KLD 1.0 KLD 2.5 KLD 2.0 KLD |
| 17 | Power requirement: a. Domestic Purpose b. Industrial purpose | : | TNEB 41,344 Liters of HSD for mining plan period |
| 18 | Depth of quarrying | : | 31 m (17m agl + 14m bgl) |
| 19 | Depth of water table | : | 57m in rainy and 62 in summer seasons |
| 20 | Project Cost (excluding EMP cost) | : | Rs. 9,46,25,000 |
| 21 | EMP cost | : | Capital Cost – Rs. 44,88,806 Recurring Cost – Rs. 20,97,584 Rs. 65,25,938 |
| 22 | CER cost | : | 5,00,000 |
| 23 | AD mines 500m cluster letter approved by Deputy Director, with date | : | Roc. No. 181/2020(Mines), dated: 02.06.2021 |
| 24 | VAO certificate regarding 300m radius cluster | : | Letter dated 02.06.2021 |

Now, the proposal was again placed in the 353rd SEAC meeting held on 09.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental**

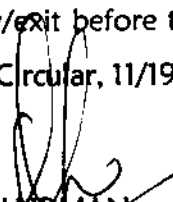
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Clearance for ROM – 25,840 m³, production quantity of 1,809 m³ of Black Granite and Waste – 24,031 m³ but not exceeding an annual peak production of 367.5 m³ of Black Granite up to an ultimate depth of 31m BGL, subject to the standard conditions as per the Annexure of this minutes & 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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. 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 the EMP as committed.
3. Since the R.F is located very close to the proposed quarry site (i.e., 272 m), the PP shall develop Green Belt (Tree plantation in three rows) along the boundary of the site before obtaining the CTO from the TNPCB.
4. The proponent shall obtain a 'Star Rating' system awarded by Anna University, Chennai annually to the mining lease being operated for their efforts and shall contribute Rs.5 Lakhs for the initiatives taken for successful implementation of the Sustainable Development Framework (SDF).
5. The proponent is requested to prepare Standard Operating Procedure for using Diamond Wire Saw Cutting method before obtaining CTO.
6. The proponent shall mandatorily appoint the statutory Mines Manager & other statutory competent persons and the Geologist in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.
7. The PP shall inform send the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
8. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959


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and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.

9. The PP shall strictly adhere with the safety provisions as laid for the operation of Diamond Wire Saw machines and use of Cranes vide DGMS Tech Circulars No: 02 of 29.11.2019 & No. 10 of 19.07.2002 respectively.
10. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
11. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral reject (Granite waste) dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de silted and maintained properly.
12. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
13. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
14. 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 Granite, waste, over burden, side 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 MoEF & CC, 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.
15. The Proponent shall ensure that the overburden, waste rock and non-saleable granite generated during prospecting or mining operations of the granite quarry

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shall be stored separately in properly formed dumps on grounds earmarked. 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. Such dumps shall be properly secured to prevent the escape of material in harmful quantities which may cause degradation of the surrounding land or silting of water courses.

16. 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.
17. 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.
18. The PP shall also develop the Green belt around the office buildings, along the side of the roads and on backfill areas, if any, apart from along the mine lease boundary. 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.
19. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing
20. 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.


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21. **Dust, Noise and Vibration Related:** Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed. Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
22. The impact on fauna species in the mining area is mostly due to noise vibration and loss of vegetation cover. No working is proposed during night time, i.e., after 6 pm. No lighting is allowed to spread outside quarry lease area.
23. 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.
24. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
25. 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.
26. 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.

27. 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.
28. 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.
29. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the Granite Conservation and Development Rules 1999, the MCDR 2017 and Tamil Nadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skilful, 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.
30. 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.
31. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
32. 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.
33. All the conditions imposed by the concerned Assistant/Deputy Director, Geology & Mining, in the mining plan approval letter and the Precise area communication letter issued by the concerned District Collector should be strictly followed.
34. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat / local representatives, if any, from whom any suggestion/representation has been received while processing the proposal.


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35. 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.
36. As accepted by the Project Proponent the revised CER cost is Rs. 5 lakhs and the amount shall be spent for Government High school, Moalaiyanoor, Papireddipatty (North) - 636904 before obtaining CTO from TNPCB.

Agenda No: 353-05

(File No: 8596/2021)

Proposed quartz & Feldspar project over an extent of 2.11.0Ha in S.F.No. 1501B/2(P), & 1502(p), Sengurichi Village, Dindigul East Taluk, Dindigul District , Tamil Nadu by Thiru. M. Selvamani - For Environmental Clearance. (SIA/TN/MIN/216925/2021 dated: 29.06.2021)

Earlier, this proposal was placed for appraisal in this 330th meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are given in the website(www.parivesh.nic.in).

The SEAC Noted that

1. The project proponent, Thiru. M. Selvamani, has applied for Environmental Clearance for the Proposed quartz & Feldspar project over an extent of 2.11.0Ha in S.F.No. 1501B/2(P), & 1502(p), Sengurichi Village, Dindigul East Taluk, Dindigul District , Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. As per mining plan, the lease period is 10 years. The mining plan is for the period of 10 years & the production should not exceed 16053 T of quartz & Feldspar (quartz 11237 T - & Feldspar- 4816 T) with an ultimate depth of mining 17m BGL. The annual peak production 4212 T of quartz & Feldspar (quartz 1769 T & Feldspar- 758T) in 1st to 4 years.


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| Sl. No | Details of the Proposal | : | Data Furnished |
|--------|---|---|---|
| 1 | Name of the Owner/Firm | : | Thiru. M. Selvamani, Proprietor, M/s. Sree Sirumalai Minerals, No.243-B, Masilamanipuram, Balakrishnapuram, Dindigul District - 624 005. |
| 2 | Type of quarrying (Savudu/Rough Stone/Sand/Granite) | : | Quartz & Feldspar |
| 3 | S.F No. of the quarry site with area break-up | : | 1501B/2(P) & 1502(P) |
| 4 | Village in which situated | : | Sengurichi |
| 5 | Taluk in which situated | : | Dindigul East |
| 6 | District in which situated | : | Dindigul |
| 7 | Extent of quarry (in ha.) | : | 2.11.0 Ha |
| 8 | Period of quarrying proposed | : | 10 Years |
| 9 | Type of mining | : | Opencast Semi Mechanized Mining |
| 10 | Production (Quantity in T) | : | The lease period is 10 years. The mining plan is for the period of 10 years & the production should not exceed 16053 T of quartz & Feldspar (quartz 11237 T - & Feldspar- 4816 T). The annual peak production 4212 T of quartz & Feldspar (quartz 1769 T & Feldspar- 758T) in 1 st to 4 year |
| 11 | Latitude & Longitude of all corners of the quarry site | : | 10°19'04.00"N to 10°19'56.62"N 78°09'49.42"E to 78°09'47.22"E |
| 12 | Topo Sheet No. | : | 58-J/3 |
| 13 | Man Power requirement per day: | : | 14 Nos |
| 14 | Precise area communication approved by the Principal Secretary to Government, Industries (MMC.2) Department with date | : | Letter No. 7014/MMC.2/2020-1 dated:07.12.2020 |
| 15 | Mining Plan approved by Joint Director, Department of Geology and Mining with date | : | Rc.No.5952/MM7/2019, dated:18.01.2021 |

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|----|--|---|--|
| 16 | Water requirement: 4. Drinking water & domestic purposes (in KLD) 5. Dust Suppression (in KLD) 6. Green Belt (in KLD) | : | 2.0 KLD 0.7 KLD 1.0 KLD 0.3 KLD |
| 17 | Power requirement a. Domestic Purpose | : | TNEB |
| 18 | Depth of quarrying | : | 17m |
| 19 | Depth of water table | : | 37m BGL |
| 20 | Whether any habitation within 300m distance | : | No |
| 21 | Project Cost (including EMP cost) | : | Rs. 55,70,000/- |
| 22 | EMP cost | : | Rs. 2,50,000/- |
| 23 | CER cost | : | Rs. 1,11,400/- |
| 24 | Assistant Director, mines 500m cluster letter | : | Rc.No.66/2019 (Mines), dated:22.01.2021 |
| 25 | VAO certificate regarding 300m radius cluster | : | Letter dated 12.12.2020 |

During the meeting the PP has not turned up. Therefore, SEAC decided to defer the proposal.

Again this proposal has placed in 533rd SEAC meeting held on 9.2.2023 and the Committee noted that the Muthimallai Reserve Forest is located within a distance of 1 km from this project site.

"As per the G.O. (Ms.) No. 243 industries, Investment promotion and Commerce (MMC.1) Department dated 14.12.2022, Amendment to the Tamil Nadu Minor Mineral Concession Rules, 1959 as follows

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".


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Further it is noted that the Govt of Tamil Nadu vide G.O Ms No. 175 EF &CC Dt. 12.10.2022 has notified Kadavur Slender Loris Sanctuary in Karur & Dindigul District under the Wild Life (Protection) Act, 1972.

The Committee also noted that the Muthimallai Reserve Forest forms part of Kadavur Slender Loris Sanctuary in Karur & Dindigul District and the proposed project site is at a distance of 4.5 Km and the ESZ for this sanctuary is yet to notified. Hence the SEAC decided to defer the proposal and call for the following details.

1. The PP shall obtain the NBWL clearance from MOEF&CC.

AGENDA No: 353-06

(File No: 8620/2021)

Proposed Rough Stone Quarry lease over an Extent of 1.00.0Ha (Government land) in S.F.Nos. 173/1 (Part - 1) at Pattakurubarapalli Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by Thiru.K.Srinivasa – For Environmental Clearance. (SIA/TN/MIN/217548/2021, dated 30.06.2021)

The proposal was earlier placed in the 313th meeting of SEAC held on 22.09.2022 & 338th meeting of SEAC held on 14.12.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.K.Srinivasa has applied seeking Environmental Clearance for Rough Stone Quarry lease over an Extent of 1.00.0Ha Ha in S.F.Nos. 173/1 (Part - 1) at Pattakurubarapalli Village, Hosur Taluk, Krishnagiri District.
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, as amended.

During the meeting the PP has requested the Committee for granting additional time to produce certain details. Hence SEAC decided to defer the proposal. Now, the proposal was placed in this 353rd meeting of SEAC held on 09.02.2023. Based on the presentation made by the proponent and the documents furnished, the SEAC noted the following:

1. Previous EC was issued vide Lr. No. SEIAA-TN/F.No.5324/1(a)/EC.No:


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3245/2016 dated:09.07.2016 to Thiru.K.Srinivasa for Rough Stone Quarry lease over an Extent of 1.00.0Ha Ha in S.F.Nos. 173/1 (Part - 1) at Pattakurubarapalli Village, Hosur Taluk, Krishnagiri District for the production of 29566 cu.m of Rough stone to a depth of 42m.

2.MoEF&CC Notification S.O. 221(E), Dt:18.01.2021.

3. MoEF&CC Notification S.O. 1807(E), Dt: 12.04.2022.

4. MoEF&CC O.M. Dt: 13.12.2022.

5. As per the mining plan, the production for 5 years not to exceed Rough Stone- 55,910m³ for an ultimate depth of 42m (2m Topsoil + 40m Rough Stone). The annual peak production shall not exceed 13,420 m³(5th year).

During the meeting, the proponent stated that he had requested for an automatic extension as per the MoEF&CC notification dated 12.04.2022 and O.M dated 13.12.2022 and hence requested for the same.

SEAC noted that as per OM Dated 13.12.2022, Clarification on the amendment to EIA Notification 2006 issued vide S.O. No. 1807(E) dated 12.04.2022 with regard to validity of Environment Clearance, para 2 (ii) states that...

"The Environment Clearances for which the project proponents have submitted the application for extension of validity as per the provisions of the EIA Notification 2006 as on the date of publication of Notification i.e., 12.04.2022 shall stand automatically extended to respective increased validity as mentioned at Para no. 1 column (C) above."


Based on the presentation made by the proponent, the SEAC decided to confirm that the proposal is entitled for 'automatic extension to the respective increased validity' as per the aforesaid OM issued by the MoEF & CC subject to the following commitment made by the PP.

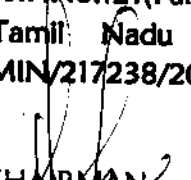
- As accepted by the Project Proponent the CER cost is **Rs. 5 Lakh** and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

Agenda No. 353 – 07

(File No: 8646/2022)

Proposed Rough Stone quarry lease over an extent of 0.80.0Ha at S.F.No.121(Part-4) of Perumugai Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru.P.Radhakrishnan - For Environmental Clearance . (SIA/TN/MIN/217238/2021, dt: 18.07.2021)


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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.P.Radhakrishnan has applied for Environmental Clearance for the Proposed Rough Stone quarry lease over an extent of 0.80.0Ha at S.F.No.121(Part-4) of Perumugai Village, Vellore Taluk, Vellore District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. Mineable reserves – 74600 Cu.m of Rough Stone with ultimate depth – 46m (26m AGL & 20m BGL).
4. Precise area communication period is 5 years. The mining plan is for the period of 5 years & the production should not exceed 74600 Cu.m of Rough Stone. The annual peak production shall not exceed 15100 Cu.m of Rough Stone(3rd & 4th Year). The ultimate depth – 46m (26m AGL & 20m BGL).

| Sl. No. | Details of the Proposal | Data Furnished |
|---------|--|--|
| 1 | Name of the Owner/Firm | : Thiru.P.Radhakrishnan S/o. Perumal No.1, Pillaiyar Kovil Street Rangapuram Village Sathuvachari Taluk Vellore District-632009 |
| 2 | Type of quarrying (Savudu/Rough Stone/Sand/Granite) | : Rough Stone |
| 3 | S.F No. Of the quarry site with area break-up | : 121(Part-4) |
| 4 | Village in which situated | : Perumugai |
| 5 | Taluk in which situated | : Vellore |
| 6 | District in which situated | : Vellore |
| 7 | Extent of quarry (in ha.) | : 0.80.0Ha |
| 8 | Latitude & Longitude of all corners of the quarry site | : 12°56'19.13"N to 12°56'23.19"N 79°12'12.38"E to 79°12'16.21"E |


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|----|---|---|--|
| 9 | Topo Sheet No. | : | 57 – P/01 |
| 10 | Type of mining | | Opencast Semi Mechanized Mining |
| 11 | Period of quarrying proposed | : | 5 years |
| 12 | Production (Quantity in m ³) | : | 74600m ³ of Rough Stone |
| 13 | Depth of quarrying | : | 46m (26m AGL & 20m BGL) |
| 14 | Depth of water table | : | 57m-55m BGL |
| 15 | Man Power requirement per day: | | 14 Nos. |
| 16 | Source of Water Requirement | | water vendors |
| 17 | Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD) | : | 2.5 KLD 1.5 KLD 0.5 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.342/2019(Kanimam), dt:26.11.2019 |
| 21 | Mining Plan approved by Assistant Director, Department of Geology and Mining with date | : | Rc.No.342/2019 (Mines), dt:24.01.2020 |
| 22 | Assistant Director, Department of Geology and Mining 500m cluster letter | | Rc.No.342/2019 (Mines), dt:16.03.2021 |
| 23 | VAO certificate regarding 300m radius cluster | | Letter dt: 08.05.2020 |
| 24 | Project Cost (excluding EMP cost) | : | Rs.62.35 Lakh |
| 25 | EMP cost | : | EMP Cost – Rs. 0.833 Crores /5 Years including capital & recurring cost with 5% inflation cost anticipated every year. |
| 26 | CER cost | | Rs.5 Lakhs |


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The proposal was placed for appraisal in this 323rd meeting of SEAC held on 20.10.2022. The Committee noted that both EIA Coordinator and project proponent were absent. The project proponent shall furnish the reason for his absence.

Subsequently, the proposal was placed in the 568th Authority meeting held on 08.11.2022 & 09.11.2022. The authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 20.10.2022.

To the latest "As per the G.O. (Ms.) No. 243 industries, Investment promotion and Commerce (MMC.1) Department dated 14.12.2022, Amendment to the Tamil Nadu Minor Mineral Concession Rules, 1959 as follows,

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

In view of the above, the proposal was again placed in the 353rd SEAC meeting Dt: 09.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC considering safety & sustainable mining decided to recommend the proposal for the grant of Environmental Clearance expect last bench for the period of 5 Years and the ultimate depth of mining upto 46m (26m AGL & 20m BGL) and the production of 74600 Cu.m of Rough Stone. The annual peak production shall not exceed 15100 Cu.m of Rough Stone subject to the standard conditions as per the **Annexure I** of this minutes & 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.
2. The PP shall submit the 'Notice of Opening' of the quarry to the Regional Inspector/Director of Mines Safety, Chennai Region under the section 16 of the Mines Act, 1952 by appointing required statutory personnel and get the necessary statutory permission in accordance with the Reg. 3 of MMR 1961 before obtaining the CTO.


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3. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy (or) Salem.
4. The Project Proponent shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
5. The PP shall carry out the quarrying operations from the top to downwards in the hillock by maintaining proper benches with adequate width & height and proper haul road possessing the gradient as permitted by the Director of Mines Safety, Chennai Region.
6. Since the R.F is located very close to the proposed quarry site (i.e., 110 m), the PP shall develop Green Belt (Thick Tree plantation in three rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
7. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
8. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 / 10 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
9. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.
10. The PP shall carry out maximum of TWO rounds of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also

ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.

11. However, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
12. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
13. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
14. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
15. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
16. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
17. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the


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MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.

18. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal..
19. 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 EMP furnished.
20. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the Government Primary School, Perumugai Village as committed, before obtaining CTO from TNPCB.

Agenda No: 353-08

(File No: 8664/2021)


Proposed Black Granite quarry lease area over an extent of 2.58.0Ha at S.F.No. 223/B(Part) Bit-1 of Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by Thiru M.Dhanaraj- For Environmental Clearance. (SIA/TN/MIN/221120/2021 Dt.21.07.2021)

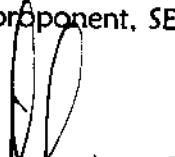
The proposal was placed for appraisal in this 353rd meeting of SEAC held on 09.02.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru M.Dhanaraj has applied for Environmental Clearance for the Proposed Black Granite quarry lease area over an extent of 2.58.0Ha at S.F.No. 223/B(Part) Bit-1 of Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu. It is a Govt. poromboke 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. Earlier, the proposal was placed in 242nd & 264th meeting of SEAC and was deferred for reasons stated in the minutes.
4. In this 353rd meeting, the proponent gave re-presentation.

Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details from the project proponent:


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- i) Since Cauvery South Wildlife Sanctuary is located within 10km from the proposed site, the PP shall obtain NBWL clearance, vide, MoEF&CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022.

After receipt of the above, further deliberations will be done.

Agenda No: 353-09

(File No: 8681/2021)

Proposed Black Granite quarry lease area over an extent of 2.91.0Ha at S.F.No. 682/2(Part) Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by Tvl. Nehaol Enterprises - For Environmental Clearance.

(SIA/TN/MIN/218658/2021 Dt. 3.7.2021)

The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Tvl. Nehaol Enterprises has applied for Environmental Clearance for the Proposed Black Granite quarry lease area over an extent of 2.91.0Ha at S.F.No. 682/2(Part) Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu. It is a Govt. poramboke 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. The lease period is for 20 years. Mineable reserves ROM-63125 m³ and 6,313 m³ of Black Granite (Recovery @10%), 56,813 m³ of Black Granite Waste (Reject @ 90%), 53,050 m³ of Side burden, & 6,390 m³ of Weathered Rock with ultimate depth – 30m (10m AGL & 20m BGL).
4. The production as per 1st scheme of mining plan is 5 Years shall not to exceed ROM-15750m³ and 1575m³ of Black Granite (Recovery @10%), 14175 m³ of Black Granite Waste (Reject @ 90%), 25,350 m³ of Side burden, & 14,910 m³ of Weathered Rock. The Annual peak production Shall not exceed is 325 m³ of Black Granite (5th year) with ultimate depth – 10m AGL.

The proposal was placed in 249th SEAC meeting held on 25.02.2022. Based on the


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discussion and document furnished by the project proponent, SEAC noted that the Ministry of Mines. Govt order Dt: 03.06.2020 has issued certain guideline for auction of minerals block for pre - embedded clearance for mining project. This proposal also is in the Govt poramboke land. Earlier, SEAC has sought a clarification through SEIAA to MoEF&CC in this regard and the same is awaited. Hence the SEAC decided to defer this subject.

The proposal was again placed for appraisal in this 264th meeting of SEAC held on 19.4.2022. 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 indicating the distance of Mosakkal RF with respect to the project site.

To the latest "As per the G.O. (Ms.) No. 243 Industries, Investment promotion and Commerce (MMC.1) Department dated 14.12.2022, Amendment to the Tamil Nadu Minor Mineral Concession Rules, 1959 as follows,

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

In view of the above, the proposal was placed for appraisal in this 353rd meeting of SEAC held on 09.02.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for additional particulars as follows.

- i) The PP shall obtain NBWL Clearance for the proposed mining area with respect to the Cauvery South Wildlife Sanctuary existing at a distance of 7 km.

Agenda No: 353-10

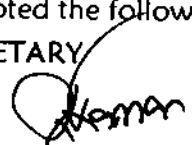
(File No: 8765/2021)

Proposed Rough Stone & Gravel quarry lease over an extent of 2.15.5Ha at S.F.No.255/2, 255/7 & 258/2 of Karadikudi Village, Anaicut Taluk, Vellore District, Tamil Nadu by Thiru.K.Munusamy - For Environmental Clearance. (SIA/TN/MIN/222997/2021, 07.08.2021).


The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

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1. The project proponent, Thiru.K.Munusamy has applied seeking Environmental Clearance for the Rough Stone & Gravel quarry lease over an extent of 2.15.5Ha at S.F.No.255/2, 255/7 & 258/2 of Karadikudi Village, Anaicut 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. Mineable reserves – 4,05,460 Cu.m of Rough Stone with ultimate depth – 61m (31m AGL & 30m BGL).
4. Precise area communication period is 10 years. The mining plan is for the period of 5 years & the production should not exceed 205275 Cu.m of Rough Stone & 18728 Cu.m of Gravel. The annual peak production shall not exceed 41610 Cu.m of Rough Stone (3rd Year). The ultimate depth – 26m AGL.

| S. No | Details of the Proposal | : | Date |
|-------|--|---|---|
| 1 | Name of the Owner/Firm | : | Thiru.K.Munusamy S/o.Kali No.1/161, Dhalavaihalli Street Dhalavaihalli Post Maariyampatti Dharmapuri |
| 2 | Type of quarrying (Savudu/Rough Stone/Sand/Granite) | : | Rough Stone & Gravel |
| 3 | S.F No. Of the quarry site with area break-up | : | 255/2, 255/7 & 258/2 |
| 4 | Village in which situated | : | Karadikudi |
| 5 | Taluk in which situated | : | Anaicut |
| 6 | District in which situated | : | Vellore |
| 7 | Extent of quarry (in ha.) | : | 2.15.5Ha |
| 8 | Latitude & Longitude of all corners of the quarry site | : | 12°50'35.30"N to 12°50'44.14"N 78°56'20.22"E to 78°56'24.21"E |
| 9 | Topo Sheet No. | : | 57- L/13 |
| 10 | Type of mining | : | Opencast Semi Mechanized Mining |
| 11 | Period of quarrying proposed | : | 5 years |

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|----|---|---|--|
| 12 | Production (Quantity in m ³) | : | 205275m ³ of Rough Stone & 18728m ³ of Gravel |
| 13 | Depth of quarrying | : | 26m AGL |
| 14 | Depth of water table | : | 66m-63m BGL |
| 15 | Man Power requirement per day: | | 19 Nos. |
| 16 | Source of Water Requirement | | water vendors |
| 17 | Water requirement: 7. Drinking & domestic purposes (in KLD) 8. Dust suppression, Green Belt & Wet Drilling (in KLD) | : | 2.5 KLD 0.8 KLD 0.7 KLD 0.5 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.02/2021(Mines), dt:21.06.2021 |
| 21 | Mining Plan approved by Assistant Director, Department of Geology and Mining with date | : | Rc.No.02/2021(Mines), dt:02.07.2021 |
| 22 | Assistant Director, Department of Geology and Mining 500m cluster letter | | Rc.No.02/2021(Mines), dt:02.07.2021 |
| 23 | VAO certificate regarding 300m radius cluster | | Lr. Furnished. |
| 24 | Project Cost (excluding EMP cost) | : | Rs.67.82 Lakh |
| 25 | EMP cost | : | EMP Cost – Rs. 2.28 Crores /10 Years including capital & recurring cost with 5% inflation cost anticipated every year. |
| 26 | CER cost | | Rs.5 Lakhs |

The proposal was placed for appraisal in this 323rd meeting of SEAC held on 20.10.2022. The Committee noted that both EIA Coordinator and project proponent were absent. The project proponent shall furnish the reason for his absence.

Subsequently, the proposal was placed in the 568th Authority meeting held on 08.11.2022 & 09.11.2022. The authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on

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20.10.2022.

To the latest "As per the G.O. (Ms.) No. 243 industries, Investment promotion and Commerce (MMC.1) Department dated 14.12.2022, Amendment to the Tamil Nadu Minor Mineral Concession Rules, 1959 as follows,

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

In view of the above, the proposal was placed for appraisal in this 353rd meeting of SEAC held on 09.02.2022. Based on the presentation and documents furnished by the project proponent, SEAC after detailed discussion considering safety & sustainable mining decided to recommend the proposal for the grant of Environmental Clearance expect last bench VIII -(Section XY-AB - (19X83X5)) for the period of 5 Years and the ultimate depth of mining upto **21m AGL** and the production of 1,97,390 Cu.m of Rough Stone & 18728 Cu.m of Gravel. The annual peak production shall not exceed 41610 Cu.m of Rough Stone subject to the standard conditions as per the **Annexure I** of this minutes & 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.
2. The PP shall submit the 'Notice of Opening' of the quarry to the Regional Inspector/Director of Mines Safety, Chennai Region under the section 16 of the Mines Act, 1952 and get the necessary statutory permission in accordance with the Reg. 3 of MMR 1961 before obtaining the CTO.
3. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy (or) Salem.
4. The Project Proponent shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches


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- incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
5. The PP shall carry out the quarrying operations from the top to downwards in the hillock by maintaining proper benches with adequate width & height and proper haul road possessing the gradient as permitted by the Director of Mines Safety, Chennai Region.
 6. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 30 m (or) more irrespective of working above ground /below ground level within the commencement of two years of quarrying operation whichever is earlier, by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
 7. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
 8. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
 9. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 / 10 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
 10. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.

11. The PP shall carry out maximum of TWO rounds of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
12. However, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
13. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
14. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
15. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
16. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.

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17. As a protective measure to the existing R.F located close to the site, the PP shall carry out the tree plantations as a part of greenbelt development in the safety zone maintaining with 15 m wide so as to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site before obtaining the CTO from the TNPCB.
18. Due to cluster situations and the location of R.F at a distance of 610 m, the PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia& 1.5 m length) only and NONEL shock tube initiation system with muffling techniques to ensure that no flyrock / throw travels beyond 10 m from the blasting.
19. The PP shall carry out the 'Line drilling' operations in every blast such that the shock wave produced from the blast site does not travel beyond 100 m towards the direction of the habitations & R.F.
20. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
21. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
22. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal..
23. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
24. As accepted by the Project proponent the CER cost is Rs. 5 :Lakhs and the amount shall be spent for the Government Higher Secondary School, Pichanatham as committed, before obtaining CTO from TNPCB

Agenda No:353 - 11. 9750/2023

(File No: 8766/2021) 9750/2023

Proposed Rough Stone, Jelly & Gravel Quarry over an Extent of 4.60.5Ha in SF.No.293/1, 293/2, 293/4A, 293/4B, 293/5, 293/6, 293/8, 293/9 & 293/10 of

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Sandaiyur Village, Nilakottai Taluk, Dindigul District, Tamil Nadu by Thiru.M.Aboobacker - For Environmental Clearance. (SIA/TN/MIN/414288/2023 dated:12.01.2023). ✓


The proposal was placed for appraisal in this 353rd SEAC meeting held on 09.02.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
2. Earlier appl No. SIA/TN/MIN/227265/2020 dt: 03.09.2021 (File No. 8766/2020) was appraised vide 244th meeting of SEAC held on 09.02.2022. After examining the documents & project proposals furnished by the project proponent and based on the presentations & detailed deliberations, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021, the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

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

The Committee noted that the Rajadani Reserve Forest is located at a distance of 600m south from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal and same was accepted in 487th meeting of SEIAA held on 26.02.2022.


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3. Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.1) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

4. Consequently, the proponent has re-presented/applied the proposal as under to reconsider the earlier decision based on the above G.O.

| Description | Old File | New File |
|---------------------------|--|---|
| File No | 8766 | 9750 |
| Online Proposal No for EC | SIA/TN/MIN/227265/2020, Dated: 03.09.2022. | SIA/TN/MIN/414288/2023 Dated: 12.01.2023. |

5. The salient features of the proposed project as follows

| No | Details of the Proposal | Data Furnished |
|----|---|---|
| 1 | Name of the Owner/Firm | : Thiru.M.Aboobacker, S/o.Musthafa, Chelamattom, Okkal Post, Kunnathunad Taluk, Kerala, Ernakulam District-686550 |
| 2 | Type of quarrying (Savudu/Rough Stone/Sand/Granite) | : Rough Stone, Jelly & Gravel quarry |
| 3 | S.F No. Of the quarry site with area break-up | : 293/1, 293/2, 293/4A, 293/4B, 293/5, 293/6, 293/8, 293/9 & 293/10 |
| 4 | Village in which situated | : Sandaiyur |
| 5 | Taluk in which situated | : Nilakottai |
| 6 | District in which situated | : Dindigul |
| 7 | Extent of quarry (in ha.) | : 4.60.5Ha |
| 8 | Period of quarrying proposed | : 5 years |
| 9 | Type of mining | : Opencast Semi mechanized mining |
| 10 | Production (Quantity in m ³) | : 4,06,750 m ³ of Rough Stone, 108585 m ³ of Gravel & 68914 m ³ of Weathered Rock. |
| 11 | Annual peak Production | : 84495 m ³ of Rough stone (4 th year), 52851 m ³ of |

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| | | | |
|----|--|---|--|
| | (Quantity in m ³) | | Gravel (2 nd year) & 33186 of Weather Rock (2 nd year) |
| 12 | Ultimate Depth of quarrying | : | 20 m BGL |
| 13 | Depth of water table | : | 59 m in Summer Season – 56m in Rainy Season |
| 14 | Latitude & Longitude of all corners of the quarry site | : | 10°04'20.46"N to 10°04'29.00"N 77°43'48.95"E to 77°43'59.16"E |
| 15 | Top Sheet No. | : | 58F/12 |
| 16 | Man Power requirement per day: | | 26 Employees |
| 17 | Precise area communication approved by the District Collector , G&M with date | : | Rc.No.842/2019(Mines) dated 28.07.2021 |
| 18 | Mining Plan approved by the Assistant Director& Geology and Mining with date | : | Rc.No.842/2019(Mines) dated 10.08.2021 |
| 19 | AD mines 500m cluster letter Approved by Assistant Director (i/c)& G&M | | Rc.No.842/2019(Mines) dated 10.08.2021 |
| 20 | VAO certificate regarding 300m radius cluster | : | 08.08.2021 |
| 21 | Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression(in KLD) 3. Greenbelt (in KLD) | : | 3.5 KLD 0.5 KLD 2.0 KLD 1.0 KLD |
| 22 | Power requirement b. Domestic Purpose | | TNEB - |
| 23 | Project Cost | : | Rs.99,12,000/- |
| 24 | EMP cost | : | Capital Cost : Rs.29.12 Lakhs Recurring Cost/annum : Rs.23.38 Lakhs |
| 25 | CER cost | : | Rs.8 Lakhs as accepted by the PP |

Hence, the proposal was placed in the 353rd Meeting of SEAC held on 09.02.2023.

Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for total excavation quantity of 4,06,750 m³ of Rough Stone, 108585 m³ of Gravel & 68914 m³ of Weathered Rock not exceeding the annual peak production of 84495 m³ of Rough stone (4th year), 52851 m³ of Gravel (2nd year) & 33186 of Weather Rock (2nd year) with maintaining an ultimate pit depth of 20m BGL, subject to the standard conditions**

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as per the **Annexure I** of this minutes & 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 PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
4. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy (or) Salem.
5. The Project Proponent shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
6. The PP shall carry out the quarrying operations from the top to downwards in the hillock by maintaining proper benches with adequate width & height and proper haul road possessing the gradient as permitted by the Director of Mines Safety, Chennai Region.
7. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 30 m (or) more irrespective of working above ground /below ground level within the commencement of two years of quarrying operation whichever is earlier, by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-


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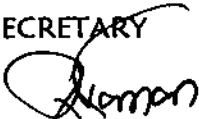
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Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

8. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
9. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
10. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.
11. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
12. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry without a prior permission obtained from the Director of Mines Safety, Chennai Region.
13. Since few habitations are situated from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of

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Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

14. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
15. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
16. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
17. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
18. The PP shall carry out the comprehensive hydrogeological studies involving all the quarries operating in the cluster during the 4th year of quarrying operations to assess the quality & quantity of the ground water due to impacts of quarrying operation by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-Dept of Geology, CEG Campus, and University of Madras -Dept of Applied Geology, Chennai etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.

19. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
20. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
21. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
22. 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 EMP furnished.
23. As accepted by the Project proponent the CER cost is Rs. 8.0 lakhs and the amount shall be spent for the Government Primary School, Rajathanikottai as committed, before obtaining CTO from TNPCB.

Agenda No: 353-12

(File No: 8790/2021)

Proposed Rough stone quarry lease area over an extent of 2.22.1 Ha at S.F. No. 1061/4B(P), 1062/1A(P), 1062/1B(P) & 1062/2B(P) of Thiyanadurgam Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. V. Jayaprakash - For Environmental Clearance. (SIA/TN/MIN/229415/2021 dated.15.09.2021)

The proposal was placed in 353rd meeting of SEAC held on 09.02.2023. The details of the project are available in the website (parivesh.nic.in).

UNIT OFFICER'S REMARKS:

The proponent/consultant has not yet submitted an approved copy of the revised mining plan as instructed during the meeting.

The SEAC noted the following:

1. The project proponent, **Thiru. V. Jayaprakash** has applied for Environmental Clearance for the Proposed Rough stone quarry lease area over an extent of 2.22.1 Ha at S.F. No. 1061/4B(P), 1062/1A(P), 1B(P) & 2B(P) of Thiyanadurgam Village, Shoolagiri Taluk, Krishnagiri 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. The salient features of the proposal are as follows:

| Sl No. | Details of the Proposal | Data Furnished |
|--------|--|---|
| 1 | Name of the Owner/Firm | Thiru. V. Jayaprakash, S/o. Venkatesh Naidu, D.No.HIG 301, New Temple Land Hudco, Rajaji Road Phase -10, House Taluk, Krishnagiri District – 635 109 |
| 2 | Type of quarrying (Savudu/Rough Stone/Sand/Granite) | Rough Stone Quarry |
| 3 | S.F No. Of the quarry site with area break-up | 1061/4B(P), 1062/1A(P), 1062/1B(P) & 1062/2B(P) |
| 4 | Village in which situated | Thiyanadurgam |
| 5 | Taluk in which situated | Shoolagiri |
| 6 | District in which situated | Krishnagiri |
| 7 | Extent of quarry (in ha.) | 2.22.1 |
| 8 | Latitude & Longitude of all corners of the quarry site | 12°38'35.2947"N to 12°38'39.3653"N 77°55'19.1316"E to 77°55'20.8026"E |
| 9 | Topo Sheet No. | 57-H/14 |
| 10 | Type of mining | Opencast semi-mechanized Mining |
| 11 | Period of quarrying proposed | 5 years |
| 12 | Production (Quantity in m ³) | Rough Stone recoverable: 4,30,395 m ³ Mine waste: 22,652 m ³ Topsoil: 20,893m ³ |
| 13 | Depth of Mining | 36m (8m AGL + 28m BGL) |
| 14 | Depth of water table | 65m BGL |
| 15 | Man Power requirement per day: | 16 Nos. |
| 16 | Water requirement: | 1.72 KLD |
| | 1. Drinking & domestic purposes | 0.72 KLD |
| | 2. Dust suppression | 0.50 KLD |
| | 3. Green Belt | 0.50 KLD |

| | | |
|----|---|---|
| 17 | Power requirement | 3,47,800 litres of HSD for the entire project life |
| 18 | Precise area communication approved by the Assistant Director (additional charge), Dept. of G&M with date | Rc.No.03/2018/Mines, Dated: 23.12.2020. |
| 19 | Mining Plan approved by the Assistant Director (additional charge), Dept. of G&M with date | Rc.No.03/2018/Mines, Dated: 20.03.2021. |
| 20 | 500m cluster letter issued by the Assistant Director (additional charge), Dept. of G&M with date | Rc.No.03/2018/mines, Dated: 26.07.2021 |
| 21 | VAO certificate regarding habitations in 300m radius | 01.08.2021 |
| 22 | Project Cost (excluding EMP) | Rs.58,20,000/- |
| 23 | EMP cost | Capital cost: Rs.14,97,400/- Recurring cost: Rs.27,99,167/- Total for 10 years: Rs. 3,75,00,000/- |

During the presentation, the committee noted that the proponent has proposed a bench height of 7m. As per Metalliferous Mines Regulation 1961, under Chapter XI, 106 (2) (a)

"..... the face shall be benched and the sides shall be sloped at an angle of not more than 60 degrees from the horizontal. The height of any bench shall not exceed six meters and the breadth thereof shall not be less than the height."

Hence, the Committee decided to recommend the proposal for the grant of Environmental Clearance for the revised bench height and revised quantity as follows:

| YEAR | Section | Bench | L (m) | W (m) | D(m) | Volume In m3 | Recoverable Reserve in m3 @ 95% | Mine waste in m3 @ 5% | Top Soil in m3 |
|------|---------|-------|-------|-------|------|--------------|---------------------------------|-----------------------|----------------|
| | XY-AB | 1 | 89 | 112 | 1 | | | | 9968 |

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|--------------|--------------|-----|----|-----|---|--------------|--------------|-------------|--------------|
| I- YEAR | | II | 89 | 52 | 5 | 23140 | 21983 | 1157 | |
| | | III | 81 | 102 | 5 | 41310 | 39245 | 2065 | |
| | XY-CD | I | 95 | 115 | 1 | | | | 10925 |
| | | II | 95 | 53 | 5 | 25175 | 23916 | 1259 | |
| | TOTAL | | | | | 89625 | 85144 | 4481 | 20893 |
| II- YEAR | XY-CD | III | 88 | 107 | 5 | 47080 | 44726 | 2354 | |
| | TOTAL | | | | | 47080 | 44726 | 2354 | |
| III- YEAR | XY-AB | IV | 76 | 92 | 5 | 34960 | 33212 | 1748 | |
| | XY-CD | IV | 83 | 96 | 5 | 39840 | 37848 | 1992 | |
| | TOTAL | | | | | 74800 | 71060 | 3740 | |

| | | | | | | | | | |
|-------------|-------|-----|----|----|---|--------|--------|-------|-------|
| IV- YEAR | XY-AB | V | 71 | 82 | 5 | 29110 | 27655 | 1455 | |
| | XY-CD | V | 78 | 86 | 5 | 33540 | 31863 | 1677 | |
| | TOTAL | | | | | 62650 | 59518 | 3132 | |
| V- YEAR | XY-AB | VI | 66 | 72 | 5 | 23760 | 22572 | 1188 | |
| | | VII | 61 | 62 | 5 | 18910 | 17965 | 945 | |
| | XY-CD | VI | 73 | 76 | 5 | 27740 | 26353 | 1387 | |
| | | VII | 68 | 66 | 5 | 22440 | 21318 | 1122 | |
| | TOTAL | | | | | 92850 | 88208 | 4642 | |
| GRAND TOTAL | | | | | | 367005 | 348656 | 18349 | 20893 |

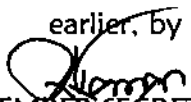
As per the revised mining plan, the production quantity is **3,48,656m³** of rough stone recoverable, **18,349m³** of mine waste & **20,893m³** of topsoil for an ultimate depth of 31m (8m above ground level + 23m below ground level).


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SEAC decided to recommend the proposal for the grant of Environmental Clearance for the revised total production quantity of **348656m³ of rough stone recoverable, 18,349m³ of mine waste & 20,893m³ of topsoil** with annual peak production capacity not exceeding **88208m³ of rough stone (5th year)** for ultimate depth of 31m (8m above ground level + 23m below ground level) subject to the standard conditions as per the Annexure of this minutes & 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 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 Metalliferous Mines Regulations, 1961.
3. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy (or) Salem.
4. The Project Proponent shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
5. The PP shall carry out the quarrying operations from the top to downwards in the hillock by maintaining proper benches with adequate width & height and proper haul road possessing the gradient as permitted by the Director of Mines Safety, Chennai Region.
6. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 30 m (or) more irrespective of working above ground /below ground level within the commencement of two years of quarrying operation whichever is earlier, by involving any of the reputed Research and Academic Institution such


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as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

7. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
8. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
9. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
10. The PP shall carry out the quarrying operation from the top of hillock to downwards by forming proper accessibility/ramps of gradient as permitted in MMR 1961 and keeping the benches of adequate dimensions intact.
11. Since the habitations and R.F are situated at a distance of 700 m from the quarry lease boundary, the PP shall carry out the scientific studies on design of controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock in the proposed quarry, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
12. The PP shall furnish a Standard Operating Procedure for the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.

13. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
14. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
15. 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 EMP furnished.
16. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent towards the Panchayat Union Middle School, Agaram for the following activities as committed, before obtaining CTO from TNPCB.

Agenda No: 353 - 13 9766/2023

(File No: 8907/2021) File No. 9766/2023

Proposed Rough Stone and Gravel quarry lease over an extent of 0.55.5 Ha in S.F.No. 267/5, Pogalur Village, Peranampattu Taluk, Vellore District, Tamil Nadu by Thiru G. Nagesh- For Environmental Clearance. (SI/TN/MIN/237955/2021 Dated 22.11.2021) 12.01.2023

418335/2023 dated 12.01.2023

The proposal was placed in the 353rd meeting of SEAC held on 09.02.2023. The project proponent presented the details of the proposed quarry. The details of the proposed quarry furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC notes the following

1. The Project Proponent, Thiru G. Nagesh, has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 0.55.5 Ha in S.F.No. 267/5, Pogalur Village, Peranampattu Taluk, Vellore 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. As per mining plan, the lease period is 5 years and the mining plan for the period of 5 years & the production should not exceed -31839cu.m. of Rough stone. The annual peak production 6595Cu.m of Rough Stone and the Ultimate depth is 26m metre Above GL.

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4. Earlier the proposal was placed in 277th SEAC meeting held on 26.05.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

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

The Committee noted that the **Pullalakuppam Extn RF** is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, **decided not to recommend the proposal.**

5. Subsequently, the proposal was placed in the 523rd SEIAA meeting held on 21.06.2022. In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 26.05.2022.

The proposal was again placed in the 353rd SEAC meeting held on 09.02.2023. Based on the presentation and document furnished by the proponent, SEAC decided to call for additional details

1. The PP shall submit the certified compliance report issued by the IRO, MoEF & CC, Chennai.

2. The PP shall enumerate number of structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m with details such as dwelling


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houses with number of occupants, whether it belongs to the owner & type of the construction, life/age of the buildings/structures, including the places of worship, industries, factories, sheds, poultry farm etc.

On receipt of the aforesaid details, the proposal will be considered for further deliberations.

Agenda No: 353-14
(File No: 8903/2021)

Proposed Rough Stone quarry lease over an extent of 1.60.0 Ha in SF.Nos. 412/11 (Part-4) of Palamathi Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru.H. Kirubasankar - For Environmental Clearance. (SIA/TN/MIN/238277/2021 Dated 11.11.2021)

Earlier, this proposal was placed in 279th Meeting of SEAC held on 28.05.2022. During the meeting it was noted that both the project proponent and EIA Coordinator were absent. SEAC therefore, decided to defer the proposal and call for the explanation of the PP.

The proposal was again placed in 318th Meeting of SEAC held on 07.10.2022. The PP requested to defer the project. Hence the committee decided to defer the proposal. the proposal was once again placed in 338th meeting of SEAC held on 14.12.2022. The PP requested to defer the project. Hence the committee decided to defer the proposal.

The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.H.Kiruba Sankar has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 1.60.0HaatS.F.No.412/11(Part4) of Palamathi Village, Vellore Taluk, Vellore 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. Earlier, EC was issued vide Lr. No.SEIAA-TN/F.No.3909/19(a)/ EC.No: 3045/2015 dated:26.02.2016 for Rough Stone and Gravel quarry over an extent 1.60 Ha at


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S.F.No.412/11(part-4), Palamathi Village, Vellore Taluk, Vellore District, Tamil Nadu and production of 314390 cu.m of Rough stone & 16872 cu.m of Gravel & Ultimate depth upto 37m(12m above ground level & 25m below ground level).

4. MoEF&CC Notification S.O. 221(E), Dt:18.01.2021.
5. MoEF&CC Notification S.O. 1807(E), Dt: 12.04.2022.
6. MoEF&CC O.M. Dt: 13.12.2022.
7. As per the mining plan, the lease period is for 10 years. The production for 5 years not to exceed 1,24,600 m³ of rough stone, 7776 m³ of weathered rock & 3220 m³ of Top soil . The annual peak production is 28,900m³ of rough stone (2nd year) , 7776 m³ of weathered rock (1st year) & 3220 m³ of Top soil (1st year) with an ultimate depth of mining 41m(16m AGL + 25 BGL).

Now the proposal was placed in this 353rd meeting of SEAC held on 09.02.2023.

During the meeting, the proponent stated that he is entitled for 'automatic extension' as per the MoEF&CC notification dated 12.04.2022 and O.M dated 13.12.2022 and hence requested to confirm the same.

SEAC noted that as per OM Dated 13.12.2022, Clarification on the amendment to EIA Notification 2006 issued vide S.O. No. 1807(E) dated 12.04.2022 with regard to validity of Environment Clearance, para 2 (ii) states that...

"The Environment Clearances for which the project proponents have submitted the application for extension of validity as per the provisions of the EIA Notification 2006 as on the date of publication of Notification i.e., 12.04.2022 shall stand automatically extended to respective increased validity as mentioned at Para no. 1 column (C) above."

Based on the presentation made by the proponent, the SEAC decided to confirm that the proposal is entitled for 'automatic extension to the respective increased validity' as per the aforesaid OM issued by the MoEF & CC subject to the following commitment made by the PP.


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- As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Government Primary and High school, Palamathi Village as committed, before obtaining CTO from TNPCB.

Agenda No: 353-15

(File No: 8910/2021)

Proposed Rough Stone & Gravel quarry lease over an extent of 0.55.5Ha in SF. No. 335/2 of Venkatapuram Village, Arcot Taluk, Ranipet District, Tamil Nadu by Thiru E. Srinivasan for Environmental Clearance. (SIA/TN/MIN/247689/2021 Dated 27.12.2021).

Earlier the proposal was placed in 278th Meeting of SEAC held on 27.05.2022. Since the proponent was not present for the meeting, thereby the Committee decided to defer the proposal.

Now the proposal was placed in 353rd Meeting of SEAC held on 09.02.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru E. Srinivasan has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 0.55.5 Ha at S.F.No.335/2 of Venkatapuram village, Arcot Taluk, Ranipet 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 production for 5 years not to exceed 11,644m³ of Rough stone & 504m³ of Gravel. The annual peak production is 5075m³ of rough stone (3rd year) & 504m³ of Gravel (1st year) with an ultimate depth of mining 23m BGL.

| Sl. No | Details of the Proposal | Date of Approval |
|--------|--------------------------|---|
| 1. | Name of the Owner / Firm | Thiru.E.Srinivasan S/o.Elumalai No.6/38, Vaniyankulam Village Vitupatchipuram Post |


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| | | Vellore District |
| 2. | Type of quarrying | Rough Stone & Gravel Quarry |
| 3. | S.F No. of the quarry site | 335/2 |
| 4. | Village in which situated | Venkatapuram |
| 5. | Taluk in which situated | Arcot |
| 6. | District in which situated | Ranipet |
| 7. | Extent of Quarry (in ha.) | 0.55.5 ha |
| 8. | Period of Quarrying proposed | 5 years |
| 9. | Type of Mining | Opencast, Semi-Mechanized mining |
| 10. | Production (Quantity in m3) | As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 11,644m ³ of rough stone & 504m ³ of Gravel. The annual peak production is 5075m ³ of rough stone (3 rd year) & 504m ³ of Gravel (1 st year) with an ultimate depth of mining 23m BGL. |
| 11. | Latitude & Longitude of all corners of the quarry site | 12°52'38.47"N to 12°52'41.66"N 79°12'02.20" E to 79°12'05.39"E |
| 12. | Topo sheet No. | 57 -P/01 |
| 13. | Man power requirement per day: | 16 Employees |
| 14. | Precise Area Communication approved by the o/o. Assistant Director of Geology and Mining with date | Rc.No. 89/2020(Mines), dated: 22.10.2021 |
| 15. | Mining plan approved by the Assistant Director (i/c) of Geology and Mining with date | Rc.No. 89/2020(Mines), dated: 01.11.2021 |
| 16. | AD mines 500m cluster letter by the Assistant Director(i/c) of Geology and Mining with date | Rc.No. 89/2020(Mines), dated: 01.11.2021 |
| 17. | Water requirement: 1. Drinking & domestic purposed 2. Dust Suppression 3. Green Belt | 1.5 KLD 0.5 KLD 0.5 KLD 0.5 KLD |

| | | |
|-----|---|---|
| 18. | Power requirement: a. Domestic purpose b. Machinery works | TNEB 9315.2 Liters of HSD will be utilized for Rough Stone |
| 19. | Depth of Mining | 23m BGL. |
| 20. | Depth of Water table | 50m BGL. |
| 21. | Whether any habitation within 300m distance | Nil |
| 22. | Project cost | Rs. 41,00,000/- |
| 23. | EMP cost | Rs. 67.22 Lakhs |
| 24. | CER cost | Rs. 5 Lakhs |
| 25. | VAO letter dated | 30.10.2021. |

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for total excavation quantity of 10,519m³ of Rough Stone and 504m³ of gravel not exceeding the annual peak production of 5075m³ of Rough Stone and 504m³ of gravel with maintaining an ultimate pit depth of 18m BGL subject to the standard conditions as per the Annexure I of this minutes & 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 mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall leave 60m safety distance for Reserve Forest on southern and western side of the applied area as per conditions stipulated in precise area communication letter vide Rc.No.89/2020(Mines) dated 22.10.2021.
4. The PP shall comply all the conditions stipulated in precise area communication letter vide Rc.No.89/2020(Mines) dated 22.10.2021.

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5. The PP shall inform the 'Notice of Opening' of the quarry to the Director of Mines Safety/Chennai Region before obtaining the CTO.
6. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
7. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction, shall install fencing and Garland drain before obtaining the CTO from the TNPCB.
8. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
9. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
10. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
11. In view of existence of R.F. close to the site, the PP shall carry out the tree plantation (in two rows) to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.

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12. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarries.
13. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 10 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
14. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
15. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him only as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
16. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the school/other habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.
17. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
18. The PP shall carry out the comprehensive hydrogeological studies once in two years to assess the quality & quantity of the ground water due to impacts of quarrying operation by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-Dept of Geology, CEG Campus, and University of Madras -Dept of Applied Geology, Chennai etc shall be carried out before the commencement of mining operations. A copy of such scientific study report


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shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.

19. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
20. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
21. 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 EMP furnished.
22. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Government Middle School, Venkatapuram as committed, before obtaining CTO from TNPCB.

Agenda No: 353-16

(File No: 8942/2022)

Proposed Gravel quarry lease over an extent of 2.83.5 Ha in S. F. Nos. 175/7A of Vennavalkudi Village, Alangudi Taluk, Pudukkottai District, Tamil Nadu by Thiru S. Chandrasekar, for Environmental Clearance (SIA/TN/MIN/253307/2022 Dated 25.01.2022)

The proposal was earlier placed in the 279th Meeting of SEAC held on 28.05.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru S. Chandrasekar has applied seeking Environmental Clearance for the proposed Gravel Quarry lease over an extent of 2.83.5 Ha in S. F. Nos. 175/7A of Vennavalkudi Village, Alangudi 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 as amended.


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During the meeting neither PP nor EIA Co-ordinator were present. SEAC, therefore, decided to defer the proposal and seek reason for absence from the Proponent.

Now, the proposal was taken up for discussion in this 353rd meeting of SEAC held on 09.02.2023.

| Details of the Proposal | | |
|-------------------------|---|---|
| 1. | Name of the Owner / Firm | Thiru. S.Chandrasekar, S/o. Shanmugam Sundaram, T.S.No 5641, South 4th Street Post, Pudukottai District. |
| 2. | Type of quarrying (savudu / Rough stone / Sand / Granite) | Gravel |
| 3. | S.F No. of the quarry site | 175/7A |
| 4. | Village | Vennavalkudi |
| 5. | Taluk | Alangudi |
| 6. | District | Pudukottai |
| 7. | Extent of Quarry (in ha.) | 2.83.5 Ha (Patta Land) |
| 8. | Period of Quarrying proposed | One year |
| 9. | Type of Mining | Opencast- Mechanized Mining |
| 10. | Production (Quantity in m ³) | As per the approved mining plan, Geological reserves: 56,700m ³ of Gravel to an ultimate depth of 2 m BGL. One -year Production: 43,762 m ³ of Gravel. |
| 11. | Proposed Depth of Mining | 2m BGL |
| 12. | Latitude & Longitude of all corners of the quarry site | 10°18'16.31"N to 10°18'26.27"N 78°57'43.59"E to 78°57'50.52"E |
| 13. | Topo sheet No. | 58J/15 |
| 14. | Man power requirement | 11 Nos |
| 15. | Precise Area Communication | Rc.No.2014/2016/(G&M), Dated: 03.12.2021 |
| 16. | Mining plan approval letter | Rc.No.2014/2016/(G&M), Dated: 05.01.2022 |
| 17. | 500m letter | Rc.No.2014/2016/(G&M), Dated: 19.01.2022 |
| 18. | Water requirement: 1. Drinking & domestic purposed (in KLD) | 3.00 KLD 1.0KLD |


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| | 2. Dust Suppression (in KLD) & Green Belt (in KLD) | 2.0KLD |
| 19. | Power requirement: a. Domestic purpose b. Industrial Purpose | TNEB - |
| 20. | Depth of Water table | 25m |
| 21. | Whether any habitation within 300m distance | No as per VAO letter |
| 22. | Project cost | Rs 18.50 Lakh |
| 23. | EMP cost | Capital cost - Rs. 5,83,500/- Recurring cost - Rs.6,05,000/- |
| 24. | CER cost | Rs. 3,00,000/- |
| 25. | VAO letter dated | Letter dated: 08.01.2022 |

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for the quantity of 43,762m³ of Gravel to an ultimate depth of 2m BGL in one year** as per the approved mining plan 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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and other competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
3. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the



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commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.

4. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB / mine waste dumps. The drains should be regularly de silted and maintained properly.
5. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
6. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
7. 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. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) shall 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.
8. 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.
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


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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. 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 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.
13. **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, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
14. The proponent shall undertake the phased restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion/abandonment of such operations as assured in the Environmental Management Plan& the approved Mine Closure Plan.
15. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.

16. 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.
17. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
18. The proponent shall ensure that the transportation of the quarried material 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 stones; and transport of stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
19. 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.
20. 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.
21. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamil Nadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skilful, 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.
22. 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


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Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.

23. 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.
24. 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.
25. 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.
26. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
27. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
28. That the grant of this EC 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.
29. 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.

30. 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.

31. As accepted by the Project Proponent the CER cost is **Rs. 3 Lakh** and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

Agenda No: 353 - 17 ^{9789/2023}
(File No: ~~8948/2022~~) ^{9789/2023}

Proposed Rough Stone and Gravel quarry lease over an extent of 1.56.5 Ha in S. F. No. 563/2D, 563/4A & 572/2 of Lembalakudi Village, Thiumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru R. Vadivelu- for Environmental Clearance (SIA/TN/MIN/415455/2021 Dated 22.01.2023).

The proposal was placed in this 353rd SEAC meeting held on 09.02.2022. 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 R. Vadivelu has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 1.56.5 Ha in S. F. No. 563/2D, 563/4A & 572/2 of Lembalakudi Village, Thiumayam Taluk, Pudukkottai 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. As per the mining plan, the lease period is 5 years and the mining plan for the period is five years. The quantum of mining for the entire five years period should not exceed - 1,73,370 cu.m of Rough Stone and 20,242 cu.m of Gravel. The Annual peak production is 46485cu.m of Rough stone(1st year) & 20,242 Cu.m of Gravel (1st year). The ultimate depth of mining- 37 metres below GL.
4. Earlier, this subject vide online appl No. SIA/TN/MIN/253690/2020 dt: 28.01.2022 (File No. 8948/2022) was appraised in the 279th Meeting of SEAC held on 28.05.2022. Based on the presentation and documents furnished by the

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

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

The Committee noted that the **Kulamangalam RF** is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, **decided not to recommend the proposal** and same was accepted in 525th meeting of SEIAA held on 29.06.2022.

5. As per the G.O. (Ms.) No. 243 industries, Investment promotion and Commerce (MMC.1) Department dated 14.12.2022, Amendment to the Tamil Nadu Minor Mineral Concession Rules, 1959 as follows,

"...In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted..."

6. Now, the Proponent has resubmitted the same proposal vide online application No. SIA/TN/MIN/415455/2023 dt: 22.01.2023 (File No. 8948/2023) with all necessary supporting documents in order to obtain Environmental Clearance.

| Description | Old File | New File |
|---------------------------|--|---|
| File No | 8948 | 8948 9769 |
| Online Proposal No for EC | SIA/TN/MIN/253690/2020, Dated: 28.01.2022. | SIA/TN/MIN/415455/2023 Dated: 22.01.2023. |

Hence, the proposal was placed in this 353rd Meeting of SEAC held on 09.02.2023. During the presentation, SEAC noted that there are many structures within 300m radius. Therefore, SEAC decided to call for certain additional particulars as follows.

1. The proponent shall enumerate on the details of the structures located within 50m, 100m, 200m, 300m radius from the proposed mine lease area indicating the following.
 - a. Type of structure/building.
 - b. Age of the building/structures – Did it come later or came before the commencement of quarrying work?
 - c. usage/purposes of such building – commercial/industrial/residential/farm house/Govt. building such as Sub-station,
 - d. No of occupants/family of such buildings/structures,
 - e. ownership of the buildings/structures whether it belongs to the PP (or) not, etc.
2. The proponent shall furnish registered lease document for all the survey numbers of the proposed mining area from the concern pattadhars.

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

Agenda No. 353 – 18.

(File No. 8961/2022)

Proposed Rough Stone and Gravel quarry lease over an extent of 0.90.0Ha in S.F.Nos. 420/3 & 420/7 of Palamathi Village, Vellore Taluk, Vellore District by Dr. V.S. Vijay for Environmental Clearance (SIA/TN/MIN/415618/2023 Dt: 23.01.2023)

The proposal was placed in this 353rd Meeting of SEAC held on 09.02.2023. 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 V.S. Vijay has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 0.90.0 Ha in S.F.Nos. 420/3 & 420/7 of Palamathi Village, Vellore Taluk, Vellore District, Tamil Nadu


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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. Earlier, the proposal vide online SIA/TN/MIN/251114/2022 Dated 13.01.2022 was placed in the 279th Meeting of SEAC held on 28.05.2022 and noted that the Palamalai Reserve Forest is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal. Subsequently, the proposal was placed in the 525th Authority meeting held on 29.06.2022 and authority accepted the decision of SEAC and rejected the said online proposal.
4. As per G.O. (Ms.) No. 243 industries, Investment promotion and Commerce (MMC.1) Department dated 14.12.2022. Again, the project proponent, Thiru V.S. Vijay has again applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 0.90.0 Ha in S.F.Nos. 420/3 & 420/7 of Palamathi Village, Vellore Taluk, Vellore District, Tamil Nadu.
5. Precise area communication period is 5 Years. The mining plan is for the period of 5 years & the production should not exceed 32,420 cu.m. of Rough Stone and 6,630 Cu.m of Gravel. The annual peak production shall not exceed 6530Cu.m of Rough Stone (5th Year) & 2808 Cu.m of Gravel (1st Year). The ultimate depth – 22m BGL.

| No. | Sl. No. | Description | Remarks |
|-----|---|-------------|---|
| 1 | Name of the Owner/Firm | : | Thiru. Dr.V.S.Vijay S/o.Selvaraj Old No.15, New No.55, Thiyagarajapuram Vellore District-632001 |
| 2 | Type of quarrying (Savudu/Rough Stone/Sand/Granite) | : | Rough Stone and Gravel |
| 3 | S.F No. Of the quarry site with area break-up | : | 420/3 & 420/7 |


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| 4 | Village in which situated | : | Palamathi |
| 5 | Taluk in which situated | : | Vellore |
| 6 | District in which situated | : | Vellore |
| 7 | Extent of quarry (in ha.) | : | 0.90.0Ha |
| 8 | Latitude & Longitude of all corners of the quarry site | : | 12°52'07.89"N to 12°52'12.00"N 79°10'51.02"E to 79°10'55.64"E |
| 9 | Topo Sheet No. | : | 57- L/13 |
| 10 | Type of mining | : | Opencast Semi Mechanized Mining |
| 11 | Period of quarrying proposed | : | 5 years |
| 12 | Production (Quantity in m ³) | : | 205275m ³ of Rough Stone & 18728m ³ of Gravel |
| 13 | Depth of quarrying | : | 26m BGL |
| 14 | Depth of water table | : | 66m-63m BGL |
| 15 | Man Power requirement per day: | : | 19 Nos. |
| 16 | Source of Water Requirement | : | water vendors |
| 17 | Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD) | : | 2.5 KLD 0.8 KLD 0.7 KLD 0.5 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.32/2021 (Mines), Dated: 18.11.2021 |
| 21 | Mining Plan approved by Assistant Director, Department of Geology and Mining with date | : | Rc.No.32/2021 (Mines), Dated: 20.11.2021 |


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| 22 | Assistant Director, Department of Geology and Mining 500m cluster letter | Rc.No.32/2021 (Mines), Dated: 27.12.2021 |
| 23 | VAO certificate regarding 300m radius cluster | Letter Furnished |
| 24 | Project Cost (excluding EMP cost) | : Rs.67.82 Lakh |
| 25 | EMP cost | : EMP Cost – Rs. 79.68 Crores /5 Years including capital & recurring cost with 5% inflation cost anticipated every year. |
| 26 | CER cost | Rs.5 Lakhs |

The proposal was placed in this 279th Meeting of SEAC held on 28.05.2022. The proposal was placed in the 525th Authority meeting held on 29.06.2022 and the Authority decided to communicate the SEAC minutes to the project proponent held on 28.05.2022.

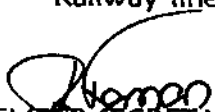
Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.1) Department, dated 14.12.2022, as below.

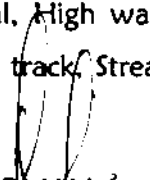
“In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression “the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests”, the expression “National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors” shall be substituted”.

Consequently, the proponent has re-presented/reaplied the proposal to reconsider the earlier decision based on the above G.O.

In view of the above, the proposal was placed for appraisal in this 353rd meeting of SEAC held on 09.02.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for additional particulars as follows

1. Details of approved layout/Structures/buildings, reservoir, Canal, High ways, Railway lines, Water Bodies, Reserve Forest, Village Road, Cart track, Stream


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Courses within /outside the radius of 50m, 100m, 150m, 200m, 250m, & 300m of the proposed mining area.

2. A detailed report on 'Environmental Impacts due to the proposed quarrying operation on the ecology of the area prepared by a reputed institute.

Agenda No. 316 – 19.

(File No. 8982/2022)

Proposed Rough stone quarry project over an extent of 2.04.0Ha in S.F.Nos. 46/2 at Panniamalai Village , Natham Taluk, Dindigul District, Tamil Nadu by Thiru. N.Ranjith - For Environmental Clearance. (SIA/TN/MIN/ 248611/2021 dated: 05.01.2022)

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.N.Ranjith has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 2.73.5ha at S.F.No. 46/2 of Panniamalai Village , Natham Taluk, Dindigul 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.
3. Mineable reserves – 4,02,870 Cu.m of Rough Stone with ultimate depth – 90m (50m AGL & 40m BGL).
4. Precise area communication period is 5 Years. The mining plan is for the period of 5 years & the production should not exceed 201285 Cu.m of Rough Stone. The annual peak production shall not exceed 40350 Cu.m of Rough Stone (3rd Year). The ultimate depth – **40m AGL**.

| Sl. | Details of the Proposal | Data Furnished |
|-----|---|---|
| 1 | Name of the Owner/Firm | : Thiru.N. Ranjith S/o.Natarajan No.2/74, Sadaiyampatti Boothakudi Village Natham Taluk, Dindigul 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 | : | 46/2 |
| 4 | Village in which situated | : | aPanniamalai |
| 5 | Taluk in which situated | : | Natham |
| 6 | District in which situated | : | Dindigul |
| 7 | Extent of quarry (in ha.) | : | 2.04.0 |
| 8 | Latitude & Longitude of all corners of the quarry site | : | 10°16'00.57"N to 10°16'06.01"N 78°16'31.85"E to 78°16'38.00"E |
| 9 | Topo Sheet No. | : | 57-J/7 |
| 10 | Type of mining | | Opencast Semi Mechanized Mining |
| 11 | Period of quarrying proposed | : | 5 years |
| 12 | Production (Quantity in m³) | : | 201285 Cu.m of Rough Stone |
| 13 | Depth of quarrying | : | 40m AGL |
| 14 | Depth of water table | : | 58m-63m BGL |
| 15 | Man Power requirement per day: | | 18 Nos. |
| 16 | Source of Water Requirement | | water vendors |
| 17 | Water requirement: 9. Drinking & domestic purposes (in KLD) 10. Dust suppression, Green Belt & Wet Drilling (in KLD) | : | 2.5 KLD 0.8 KLD 0.7 KLD 0.5 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.122/2021 (Mines), Dated: 06.05.2021. |
| 21 | Mining Plan approved by Assistant Director, Department of Geology and Mining with date | : | Rc.No.122/2021 (Mines), Dated: 29.06.2021. |
| 22 | Assistant Director, Department of Geology and Mining 500m cluster letter | | Rc.No.122/2021 (Mines), Dated: dt:22.11.2021 |
| 23 | VAO certificate regarding 300m radius cluster | | Lr. Furnished. |
| 24 | Project Cost (excluding EMP cost) | : | Rs.91.7 Lakh |


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| 25 | EMP cost | : | EMP Cost – Rs. 2.246 Crores /5 Years including capital & recurring cost with 5% inflation cost anticipated every year. |
| 26 | CER cost | | Rs.5 Lakhs |

The proposal was placed for appraisal in this 280th meeting of SEAC held on 02.06.2022. The Committee noted that both EIA Coordinator and project proponent were absent. The project proponent shall furnish the reason for his absence. The proposal was placed in the 526th Authority meeting held on 30.06.2022 and Authority decided to communicate the SEAC minutes to the project proponent held on 02.06.2022.

Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.1) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

Consequently, the proponent has re-presented/reaplied the proposal to reconsider the earlier decision based on the above G.O.

In view of the above, the proposal was placed for appraisal in this 353rd meeting of SEAC held on 09.02.2022. Based on the presentation and documents furnished by the project proponent, SEAC after detailed discussion considering safety & sustainable mining decided to recommend the proposal for the grant of Environmental Clearance expect last bench VIII -(Section XY-AB - (13X86X5)) for the period of 5 Years and the ultimate depth of mining upto 35m AGL and the production of 2,04,695 Cu.m of Rough Stone. The annual peak production shall not exceed 40350 Cu.m of Rough Stone subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


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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.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
4. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy (or) Salem.
5. The Project Proponent shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
6. The PP shall carry out the quarrying operations from the top to downwards in the hillock by maintaining proper benches with adequate width & height and proper haul road possessing the gradient as permitted by the Director of Mines Safety, Chennai Region.
7. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 30 m (or) more irrespective of working above ground /below ground level within the commencement of two years of quarrying operation whichever is earlier, by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University, Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to

the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

8. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
9. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 / 10 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
10. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.
11. The PP shall carry out maximum of TWO rounds of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
12. However, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.


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13. Since the R.F is located at a distance of 600 m, No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
14. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
15. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
16. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
17. Since the proposed quarry site is surrounded by the many water bodies such as odai, tank, etc, the PP shall carry out the comprehensive hydrogeological studies involving all the quarries operating in the cluster within three years of commencement of quarrying operations to assess the quality & quantity of the ground water due to impacts of quarrying operation by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-Dept of Geology, CEG Campus, and University of Madras -Dept of Applied Geology, Chennai etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
18. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
19. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the

MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.

20. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal..

21. 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 EMP furnished.

22. As accepted by the Project proponent the CER cost is Rs. 5 :Lakhs and the amount shall be spent for the Panchayat Union Primary School, Samuthirapatti as committed, before obtaining CTO from TNPCB.

Agenda No: 353 - 20

(File No: 8992/2022)

Proposed Rough stone quarry project over an extent of 1.25.0 Ha in S.F.No. 12/3(BIT-2) at Appanallur Village, Thottiam Taluk, Trichy District, Tamil Nadu by Selvi. D. Rojini - For Environmental Clearance.(SIA/TN/MIN/255595/2022 dated: 08.02.2022)

The proposal was placed for appraisal in this 353rd SEAC meeting held on 09.02.2023. 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, Selvi. D. Rojini has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.25.0 ha at S.F.No. 12/3(BIT-2) of Appanallur Village , Thottiam Taluk, Trichy 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.
3. Earlier the proposal was placed in 280th SEAC meeting held on 02.06.2022. The SEAC noted that both project proponent and EIA co-ordinator has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

| Sr. | Details of the Proposal | Date Furnished |
|-----|-------------------------|----------------|
|-----|-------------------------|----------------|


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|----|--|---|--|
| 1 | Name of the Owner/Firm | : | Selvi .D. Rojini D/o.Dharmalingam No.19A/9, Natarajapuram Musuri Taluk Trichy District |
| 2 | Type of quarrying | : | Rough stone |
| 3 | S.F No. Of the quarry site with area break-up | : | 12/3(BIT-2) |
| 4 | Village in which situated | : | Appanallur |
| 5 | Taluk in which situated | : | Thottiam |
| 6 | District in which situated | : | Trichy |
| 7 | Extent of quarry (in ha.) | : | 1.25.0 ha |
| 8 | Period of quarrying proposed | : | 5 years |
| 9 | Type of mining | | Opencast Mechanized Mining |
| 10 | Production (Quantity in m ³) | : | 97,573 m ³ of Rough stone |
| 11 | Latitude & Longitude of all corners of the quarry site | : | 11°03'28.23"N to 11°03'32.1"N 77°21'55.12"E to 77°21'59.17"E |
| 12 | Topo Sheet No. | : | 58 I/8 |
| 13 | Man Power requirement per day: | | 16 Nos |
| 14 | Precise area communication approved by the District Collector with date | : | Na.Ka.No.25/2020/Kanimam, Dated: 10.01.2021 |
| 15 | Mining Plan approved by the Assistant Director, of Geology and Mining with date | : | Roc. No. 25/2020/Mines, dated: 02.02.2022 |
| 16 | Water requirement: 11. Drinking & domestic purposes 12. Dust suppression 13. Green Belt | : | 3.0 KLD 1.0 KLD 1.0 KLD 1.0 KLD |
| 17 | Power requirement: c. Domestic Purpose | | TNEB |

| | | | |
|----|--|---|---|
| 18 | Depth of quarrying | : | 19m bgl |
| 19 | Depth of water table | : | 40-42m bgl |
| 20 | Project Cost (excluding EMP cost) | : | Rs. 29.35 Lakhs |
| 21 | EMP cost | : | Capital Cost – Rs. 10,51,000 Recurring Cost – Rs. 7,52,708 |
| 22 | CER cost | : | Rs. 5,00,000 |
| 23 | AD mines 500m cluster letter approved by Assistant Director, with date | : | Rc. No. 25/2020/Mines, dated: 02.02.2022 |
| 24 | VAO certificate regarding 300m radius cluster | : | Letter dated: 22.02.2022 |

Now, the proposal was placed in the 353rd SEAC meeting held on 09.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the ultimate depth of mining up to 19m BGL and the production of 97,573 m³ of Rough stone and 4,554 m³ of Gravel for a period of 5 years. The annual peak production shall not exceed 20,007 m³ of Rough stone subject to the standard conditions as per the **Annexure I** of this minutes & 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.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The proponent shall develop Green Belt along the boundary of the site which lies close to the Reserve Forest (located at a distance of 323 m).


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4. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
5. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
6. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 / 10 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
7. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.
8. The PP shall carry out maximum of TWO rounds of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
9. However, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA,

MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

10. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
11. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
12. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
13. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry including the public road.
14. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
15. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
16. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
17. 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 EMP furnished.
18. As accepted by the Project proponent the CER cost is Rs. 5 Lakhs and the amount shall be spent for Government school, Appanallur village as committed, before obtaining CTO from TNPCB.


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Agenda No: 353-21

(File No: 9741/2022)

Proposed Rough Stone quarry Lease over an extent of 4.48.5 Ha at S.F.No. 4/3, 4/4 & 6(P) in Kariyasandiram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. Gunin Infrastructures LLP – For Environmental Clearance. (SIA/TN/MIN/414430/2023 dated 19.01.2023)


The proposal was placed in 353rd meeting of SEAC held on 09.02.2023. The details of the project are available in the website (parivesh.nic.in).


The SEAC noted the following:

1. The project proponent, **M/s. Gunin Infrastructures LLP** has applied for Environmental Clearance for the proposed rough stone quarry lease over an extent of **4.48.5 Ha at S.F.No. 4/3, 4/4 & 6(P) in Kariyasandiram Village, Shoolagiri Taluk, Krishnagiri 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. Earlier, the proposal **(SIA/TN/MIN/260999/2022)** was placed for appraisal in 324th meeting of SEAC held on 21.10.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that the proposed site was hit by G.O(MS) No. 295 dated 03.11.2021. Hence, the SEAC decided not to recommend the proposal.
4. In this 353rd meeting, the proponent gave re-presentation **(SIA/TN/MIN/414430/2023).**

| File No | 9091 | 9741 |
|---------------------------|---|--|
| Online Proposal No for EC | SIA/TN/MIN/260999/2022 dated. 10.03.2022 | (SIA/TN/MIN/414430/2023 dated 19.01.2023) |

Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details from the project proponent:


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- i) Since the lease earlier belonged to M/s. Ultra Tech Cements Ltd, the transfer of lease shall be registered and a copy of the same shall be submitted.
- ii) During the presentation, the committee noted that the proponent has proposed a bench height of 7m. As per Metalliferous Mines Regulation 1961, under Chapter XI, 106 (2) (a)
"..... the face shall be benched and the sides shall be sloped at an angle of not more than 60 degrees from the horizontal. The height of any bench shall not exceed six meters and the breadth thereof shall not be less than the height."
Hence the Committee decided that the proponent shall submit a revised mining plan approved by the AD Mines of Geology & Mining Department with revised bench height & width in accordance with MMR 1961.
- iii) The PP shall submit the Slope Stability Action Plan for the existing pit conditions.
- iv) The proponent shall formulate Environmental Management Cell and shall furnish details on the Environmental Management Policy.
- v) The proponent shall revise the CER as suggested and shall furnish details on the same.

After receipt of the above particular(s), further deliberations will be done.

Agenda No: 353 - 22

(FileNo:9174/2022)

Proposed Rough Stone Quarry lease over an extent of 1.11.5 Ha in S.F.Nos.7/1(P),7/4 & 8/3 Veppalampatti Village, Uthangarai Taluk, Krishnagiri District, Tamil Nadu by Thiru.B.Amanullah- Environmental Clearance- Regarding. (SIA/TN/MIN/267234/2022, dated:11.04.2022)

The proposal was placed for appraisal in this 353rd SEAC meeting held on 09.02.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

SEAC noted the following:


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1. The Project Proponent, Thiru. B. Amanullah has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 1.11.5 Ha in S.F.Nos. 7/1(P),7/4 & 8/3 Veppalampatti Village, Uthangarai Taluk, Krishnagiri 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 1,77,329 m³ of Rough Stone with ultimate depth of 38m BGL.
4. Earlier the proposal was placed in 303rd SEAC meeting held on 18.08.2022. The project proponent and the consultant were absent for the meeting. Hence the SEAC had decided not to take up the project for appraisal.

| | | | |
|----|--|---|--|
| 1 | Name of the Owner/Firm | : | Thiru. B.Amanullah S/o.Babu D.No.36/138,Kamaraj Nagar Uthangarai Taluk Krishnagiri - 635 207 |
| 2 | Type of quarrying | : | Rough Stone |
| 3 | S.F No. Of the quarry site | : | 7/1(P),7/4 & 8/3 |
| 4 | Village in which situated | : | Veppalampatti |
| 5 | Taluk in which situated | : | Uthangarai |
| 6 | District in which situated | : | Krishnagiri |
| 7 | Extent of quarry (in ha.) | : | 1.11.5Ha |
| 8 | Latitude & Longitude of all corners of the quarry site | : | 12°12'47.81"N to 12°12'39.40"N 78°32'14.07"E to 78°32'11.26"E |
| 9 | Topo Sheet No. | : | 57- L/12 |
| 10 | Type of mining | : | Opencast Semi-Mechanized of Mining |
| 11 | Period of quarrying proposed | : | 5 years |
| 12 | Production (Quantity in m ³) | : | 44,846 m ³ of Rough Stone |
| 13 | Depth of quarrying | : | 17m |

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| 14 | Depth of water table | : | 70m BGL |
| 15 | Man Power requirement per day: | | 18 Nos. |
| 16 | Source of Water Requirement | | water vendors |
| 17 | Water requirement: 14. Drinking & domestic purposes (in KLD) 15. Dust suppression, Green Belt & Wet Drilling (in KLD) | : | 2.0 KLD 1.0 KLD 0.5 KLD 0.5 KLD |
| 18 | Power requirement a. Domestic purpose b. Industrial Purpose | | TNEB 90475Liters of HSD |
| 19 | Whether any habitation within 300m distance | : | No |
| 20 | Precise area communication approved by the, District Collector, Department of Geology and Mining with date | : | Rc.No.213/2019/Kanimam, dt: 13.06.2019 |
| 21 | Mining Plan approved by Deputy Director, Department of Geology and Mining with date | : | Rc.No.213/2019/Mines, dt: 30.07.2019 |
| 22 | Deputy Director, Department of Geology and Mining 500m cluster letter | | Rc.No.213/2019/Mines, dt: 30.07.2019 |
| 23 | VAO certificate regarding 300m radius cluster | | Letter dt: 22.02.2022 |
| 24 | Project Cost (excluding EMP cost) | : | Rs.59.70 Lakh |
| 25 | EMP cost | : | Capital Cost - Rs. 10,17,000 Recurring Cost – Rs. 12,46,730 |
| 26 | CER cost | | Rs.5Lakhs |

Now, the proposal was again placed in the 353rd SEAC meeting held on 09.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the ultimate depth of mining up to 17m BGL and the production of 44,846 m³ of Rough stone. The annual peak production shall not exceed 18,074 m³ of Rough stone subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific


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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.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 / 10 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.
7. The PP shall carry out maximum of TWO rounds of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also

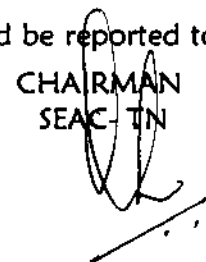
ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.

8. As the R.F is located at distance of 650 m, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry on the surrounding R.F & other Structures located within 500 m by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
9. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
10. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
11. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
12. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
13. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the

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MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.

15. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal..
16. 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 EMP furnished.
17. As accepted by the Project proponent the CER cost is Rs. 5 Lakhs and the amount shall be spent for the Government Higher Secondary School, Keelkuppam, Uthangarai Taluk, Krishnagiri District as committed, before obtaining CTO from TNPCB.

Agenda No: 353-23

(File No: 9264/2022)

Proposed Rough stone and gravel quarry lease over an extent of 2.45.0 Ha at S.F.No. 112/1A & 113/2, Thulaiyanur Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru. R. Balu - For Environmental Clearance. (SIA/TN/MIN/273652/2022 dated 27.09.2021)

The proposal was earlier placed for appraisal in the 303rd meeting of SEAC held on 18.08.2022. 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. R. Balu has applied seeking Environmental Clearance for the proposed Rough stone and gravel quarry lease over an extent of 2.45.0 Ha at S.F.No. 112/1A & 113/2, Thulaiyanur Village, Thirumayam 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, as amended.

The Committee noted that the Project Proponent vide letter dated 18.08.2022 has explained his inability to attend this meeting in view of medical issue. The Committee therefore decided to defer the proposal to a later date. Now, the proposal was placed before the 353rd meeting of SEAC held on 09.02.2023.


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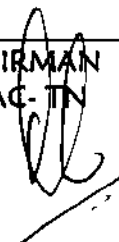

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| Details of the Proposal | | |
|-------------------------|--|---|
| 26. | Name of the Owner / Firm | Thiru. R.Balu S/o. Ramaiah Thevar No.47, North Street Lembalakudi Thirumayam Taluk Pudukkottai - 622 412. |
| 27. | Type of quarrying (savudu / Rough stone / Sand / Granite) | Rough stone and Gravel |
| 28. | S.F No. of the quarry site | 112/1A (0.22.75 Ha) & 113/2 (2.22.25 Ha) |
| 29. | Village | Thulaiyanur |
| 30. | Taluk | Thirumayam |
| 31. | District | Pudukkottai |
| 32. | Extent of Quarry (in ha.) | 2.45.0 Ha (Patta Land) |
| 33. | Period of Quarrying proposed | 5 year |
| 34. | Type of Mining | Opencast semi mechanized mining |
| 1. | Production (Quantity in m ³) | As per the approved mining plan, Geological reserves: 10,60,740 m ³ of Rough Stone and 47,144 m ³ of Gravel for the Ultimate depth of 49 m. 5-year Production: 2,45,280 m ³ of Rough Stone and 31,722 m ³ of Gravel. The annual peak production as per mining plan is 69,645 m ³ of Rough stone (1 st year). |
| 2. | Proposed Depth of Mining | 29m |
| 3. | Latitude & Longitude of all corners of the quarry site | 10°12'8.6203"N to 10°12'2.7475"N 78°43'6.0483"E to 78°42'59.8063"E |
| 4. | Topo sheet No. | 58J/11, 12, 15 & 16 |
| 5. | Man power requirement | 18 Nos |
| 6. | Precise Area Communication | Rc.No.165/2022(G&M) dated. 20.04.2022 |
| 7. | Mining plan approval letter | Rc.No.165/2022(G&M) dated. 28.04.2022 |
| 8. | 500m letter | Rc.No.165/2022(G&M) dated. 28.04.2022 |
| 9. | Water requirement: Drinking & domestic purposed (in KLD) Dust Suppression (in KLD) & Green Belt (in KLD) | 2.50 KLD 1.0KLD 1.5KLD |

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| 10. | Power requirement: Domestic purpose Industrial Purpose | TNEB DG set |
| 11. | Depth of Water table | 57m |
| 12. | Whether any habitation within 300m distance | No |
| 13. | Project cost | Rs 55.70 Lakh |
| 14. | EMP cost | Capital cost - Rs. 20.85 Lakh Recurring cost - Rs. 16.67 Lakh |
| 15. | CER cost | Rs. 5,00,000/- |
| 16. | VAO letter dated | Letter dated: 29.04.2022 |

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a production quantity of 2,45,280 m³ of Rough Stone and 31,722 m³ of Gravel to a depth of 29m in 5 years and the annual peak production shall not exceed 69,645 m³ of Rough stone as per the approved mining plan subject to the standard conditions as per the Annexure I of this minutes & 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 required rules & orders in existence needs to be followed while executing the lease particularly in reference to the R.F. Musurvathi located in close proximity to the proposed quarry site.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
4. The PP shall submit the 'Notice of Opening' of the quarry to the Regional Inspector/Director of Mines Safety, Chennai Region under the section 16 of the


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Mines Act, 1952 and get the necessary statutory permission in accordance with the Reg. 3 of MMR 1961 before obtaining the CTO.


- 5. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy (or) Salem.*
- 6. The Project Proponent shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.*
- 7. The PP shall carry out the quarrying operations from the top to downwards in the hillock by maintaining proper benches with adequate width & height and proper haul road possessing the gradient as permitted by the Director of Mines Safety, Chennai Region.*
- 8. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 30 m (or) during the 2nd year, irrespective of working above ground /below ground level within the commencement of two years of quarrying operation whichever is earlier, by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.*
- 9. As the R.F is located closely, within one year of the commencement of mining operations, the Project Proponent shall carry out the scientific studies on 'Cumulative Impacts of the blasting operations carried out in the cluster mines on the surrounding villages and the prominent structures such as blast-induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IIT(ISM), IIT-Madras, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF,*


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TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

10. The Project Proponent shall not carry out the secondary rock breakage involving blasting operations and use only the non-explosive techniques such as rock breakers, etc.
11. The Project Proponent shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the school/other habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.
12. The Project Proponent shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
13. The Project Proponent shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
14. The Project Proponent shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
15. The Project Proponent shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.
16. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
17. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.


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18. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
19. 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 EMP furnished.
20. As accepted by the Project proponent the CER cost is **Rs. 5.0 lakh** and the amount shall be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

Agenda No: 353 - 24

(File No: 9284/2022)

Proposed Rough Stone quarry lease over an extent of 2.00.0 Ha (Govt.Poramboke Land) in S.F.No. 481/2 (part-1), Musuvanoothu Village, Nilakottai Taluk, Dindigul District, Tamil Nadu by Thiru M. Bose- For Environmental Clearance (SIA/TN/MIN/273508/2022 Dated 28.05.2022).

The proposal was placed in the 353rd SEAC meeting held on 09.02.2022. The details of the proposed quarry furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted of 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.
2. The salient features of the proposed mining area as follows

| S.No. | Details of the proposed quarry | Date of approval |
|-------|--|------------------|
| 1 | Name of the Owner/Firm : Thiru. M.Bose, S/o. Mr.Madasamy 6 3 16 Q(1), Aachinagar Anaipatti Road Nilakottai Dindigul- 624208 | |
| 2 | Type of quarrying (Savudu/Rough Stone/Sand/Granite) : Rough Stone Quarry | |
| 3 | S.F No. Of the quarry site with area break-up : 481/2 (Part-1) (Govt.Poramboke Land) | |
| 4 | Village in which situated : Musuvanoothu | |
| 5 | Taluk in which situated : Nilakottai | |

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| 6 | District in which situated | : Dindigul |
| 7 | Extent of quarry (in ha.) | : 2.00.0 Ha |
| 8 | Period of quarrying proposed | : 5 years |
| 9 | Type of mining | Opencast Semi mechanized mining |
| 10 | Production (Quantity in m ³) | : 4,30,970m ³ of Rough Stone & 17802 m ³ of Topsoil. |
| 11 | Annual peak Production (Quantity in m ³) | 105510 m ³ of Rough stone (2 nd year) & 17802 m ³ of Topsoil (1 st Year) |
| 12 | Ultimate Depth of quarrying | : 80m (50m AGL + 30 m BGL) |
| 13 | Depth of water table | : 55m BGL in Rainy Season – 60m BGL Summer Season |
| 14 | Latitude & Longitude of all corners of the quarry site | : 10°7'16.69"N to 10°7'23.44"N 77°49'26.13"E to 77°49'33.22"E |
| 15 | Top Sheet No. | : 58F/16 |
| 16 | Man Power requirement per day: | 22 Employees |
| 17 | Precise area communication approved by the District Collector with date | : Rc.No.114/2021(Kanimam) dated 06.05.2021 |
| 18 | Mining Plan approved by the Assistant Director& Geology and Mining with date | : Rc.No. 114/2021 (Mines), Dated 07.10.2021 |
| 19 | AD mines 500m cluster letter Approved by Assistant Director (i/c)& G&M | Rc.No. 114/2021 (Mines), Dated 07.10.2021 |
| 20 | VAO certificate regarding 300m radius cluster | : Letter Dated : 10.05.2022 |
| 21 | Water requirement: 1. Drinking purposes & domestic (in KLD) 2. Dust suppression(in KLD) 3. Greenbelt (in KLD) | : 3.3 KLD 0.8 KLD 1.0 KLD 1.5 KLD |
| 22 | Power requirement c. Domestic Purpose | TNEB 344768 Liters of HSD |
| 23 | Project Cost | : Rs. 1,35,00,000/- |
| 24 | EMP cost | : Capital Cost : Rs.4475723/- Recurring Cost/annum : Rs.7163580/- |
| 25 | CER cost | : Rs.5 Lakhs as accepted by the EP |

3. Earlier, this proposal was placed for appraisal in the 308th meeting of SEAC held on 01.09.2022. During the meeting, the project proponent requested for additional time to submit additional information on proximity of reserve forest. In view of the above, SEAC decided to defer the subject and call for the explanation of PP for not attending the meeting.
4. As per the G.O. (Ms.) No. 243 industries, Investment promotion and Commerce (MMC.1) Department dated 14.12.2022, Amendment to the Tamil Nadu Minor Mineral Concession Rules, 1959 as follows,

"...In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted..."

Now, the PP had submitted a letter from District Forest Officer, Dindigul dated: 14.10.2021 stating that Kadavakurichi RF is located at 151m from the project site. Hence, the proposal was placed in the 353rd Meeting of SEAC held on 09.02.2023 & the PP has made the representation. Based on the presentation and documents furnished by the project proponent, by considering the safety point of view, SEAC decided to reduce the depth in section XY-AB. Accordingly, the SEAC recommend the proposal for the grant of Environmental Clearance for total excavation quantity of 4,25,470m³ of Rough Stone & 17802 m³ of Topsoil not exceeding the annual peak production of 105510 m³ of Rough stone (2nd year) & 17802 m³ of Topsoil (1st Year) with maintaining an ultimate pit depth of 75m (50m AGL + 25 m BGL), subject to the standard conditions as per the **Annexure I** of this minutes & 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.


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2. The required rules & orders in existence needs to be followed while executing the lease particularly in reference to the R.F. Musurvathi located in close proximity to the proposed quarry site.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
4. The PP shall submit the 'Notice of Opening' of the quarry to the Regional Inspector/Director of Mines Safety, Chennai Region under the section 16 of the Mines Act, 1952 and get the necessary statutory permission in accordance with the Reg. 3 of MMR 1961 before obtaining the CTO.
5. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy (or) Salem.
6. The Project Proponent shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
7. The PP shall carry out the quarrying operations from the top to downwards in the hillock by maintaining proper benches with adequate width & height and proper haul road possessing the gradient as permitted by the Director of Mines Safety, Chennai Region.
8. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 30 m (or) during the 2nd year, irrespective of working above ground /below ground level within the commencement of two years of quarrying operation whichever is earlier, by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

9. As the R.F is located closely, within one year of the commencement of mining operations, the Project Proponent shall carry out the scientific studies on 'Cumulative Impacts of the blasting operations carried out in the cluster mines on the surrounding villages and the prominent structures such as blast-induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IIT(ISM), IIT-Madras, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
10. The Project Proponent shall not carry out the secondary rock breakage involving blasting operations and use only the non-explosive techniques such as rock breakers, etc.
11. The Project Proponent shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the school/other habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.
12. The Project Proponent shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
13. The Project Proponent shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
14. The Project Proponent shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
15. The Project Proponent shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.


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16. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
17. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
18. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
19. 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 EMP furnished
20. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Government Kallar Middle School, Musuvanoothu Village as committed, before obtaining CTO from TNPCB.

Agenda No: 353-25

(File No: 9285/2022)

Proposed Rough Stone Quarry Project over an Extent of 2.00.0Ha in S.F.Nos.481/2(part – 2) of Musuvanoothu Village, Nilakottai Taluk, Dindigul District Tamil Nadu by Thiru S.Simeon Raja – For Environmental Clearance. (SIA/TN/MIN/275695/2022 dated 31.05.2022)

The proposal was earlier placed in 308th meeting of SEAC held on 01.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru S.Simeon Raja has applied seeking Environmental Clearance for the Proposed Rough Stone Quarry Project over an Extent of 2.00.0Ha in S.F.Nos.481/2(part – 2) of Musuvanoothu Village, Nilakottai Taluk, Dindigul 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, as amended.

The SEAC noted that the project proponent has not turned up for the meeting due to medical treatment. Hence the Committee decided to defer the appraisal of the project proposal to a later date.

Now, the proposal was placed before the 353rd meeting of SEAC held on 09.02.2023.

| Sl. No. | Details of the Proposal | |
|---------|---|---|
| 1. | Name of the Owner / Firm | Thiru. S.SIMEON RAJA S/o. Mr. S. Suraj, No.5/20A, Rayappanpatti, Kottur, Dindigul District - 624215. |
| 2. | Type of quarrying (savudu / Rough stone / Sand / Granite) | Rough stone |
| 3. | S.F No. of the quarry site | 481/2 (Part-2) |
| 4. | Village | Musuvanoothu |
| 5. | Taluk | Nilakottai |
| 6. | District | Dindigul |
| 7. | Extent of Quarry (in ha.) | 2.00.0 Ha (Government Land) |
| 8. | Period of Quarrying proposed | 5years |
| 9. | Type of Mining | Opencast semi mechanized mining method |
| 10. | Production (Quantity in m ³) | As per the approved mining plan, Geological reserves: 9,26,380m ³ of Rough stone to the ultimate depth of 70 m. 5-year Production: 3,94,555m ³ of Rough stone. The annual peak production as per mining plan is 88,550 m ³ of Rough stone (1 st year). |
| 11. | Proposed Depth of Mining | 70m (45m AGL + 25m BGL) |
| 12. | Latitude & Longitude of all corners of the quarry site | 10°7'18.19"N to 10°7'22.28"N 77°49'42.28"E to 77°49'49.23"E |
| 13. | Topo sheet No. | 58- F/16 |
| 14. | Man power requirement | 32 Nos |



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| 15. | Precise Area Communication | Na.Ka.No.115/2021(Kanimam), Dated 06.05.2021 |
| 16. | Mining plan approval letter | Rc.No. 115/2021 (Mines), Dated 07.10.2021 |
| 17. | 500m letter | Rc.No. 115/2021 (Mines), Dated 07.10.2021. |
| 18. | Water requirement: 3. Drinking & domestic purposed (in KLD) 4. Dust Suppression (in KLD) & Green Belt (in KLD) | 5.0 KLD 1.250KLD 3.75KLD |
| 19. | Power requirement: c. Domestic purpose d. Industrial Purpose | TNEB DG set |
| 20. | Depth of Water table | 60m-65m |
| 21. | Whether any habitation within 300m distance | No as per VAO letter |
| 22. | Project cost (Excluding EMP cost) | Rs. 1,01,09,500/- |
| 23. | EMP cost | Capital cost - Rs. 4310874 /- Recurring cost - Rs. 6673770/- |
| 24. | CER cost | Rs. 5,00,000/- as per SEAC |
| 25. | VAO letter dated | Letter dated: 10.05.2022 |

Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for a production quantity of 3,94,555 m³ of Rough Stone to a depth of 70m in 5 years and the annual peak production shall not exceed 88,550 m³ of Rough stone** as per the approved mining plan subject to the standard conditions as per the Annexure I of this minutes & 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.


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2. The required rules & orders in existence needs to be followed while executing the lease particularly in reference to the R.F. Musurvathi located in close proximity to the proposed quarry site.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
4. The PP shall submit the 'Notice of Opening' of the quarry to the Regional Inspector/Director of Mines Safety, Chennai Region under the section 16 of the Mines Act, 1952 and get the necessary statutory permission in accordance with the Reg. 3 of MMR 1961 before obtaining the CTO.
5. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy (or) Salem.
6. The Project Proponent shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
7. The PP shall carry out the quarrying operations from the top to downwards in the hillock by maintaining proper benches with adequate width & height and proper haul road possessing the gradient as permitted by the Director of Mines Safety, Chennai Region.
8. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 30 m (or) during the 2nd year, irrespective of working above ground /below ground level within the commencement of two years of quarrying operation whichever is earlier, by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

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9. As the R.F is located closely, within one year of the commencement of mining operations, the Project Proponent shall carry out the scientific studies on 'Cumulative Impacts of the blasting operations carried out in the cluster mines on the surrounding villages and the prominent structures such as blast-induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IIT(ISM), IIT-Madras, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
10. The Project Proponent shall not carry out the secondary rock breakage involving blasting operations and use only the non-explosive techniques such as rock breakers, etc.
11. The Project Proponent shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the school/other habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.
12. The Project Proponent shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
13. The Project Proponent shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
14. The Project Proponent shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
15. The Project Proponent shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.


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16. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
17. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
18. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
19. 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 EMP furnished.
20. As accepted by the Project proponent the CER cost is **Rs. 5.0 lakh** and the amount shall be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

Agenda No: 353-26

(File No: 9693/2022)

Proposed Rough stone and Gravel quarry project over an extent of 1.51.0 Ha in S.F.Nos. 132/1, 132/2A, 132/2B, 132/3 and 132/4 at Chetthuppattu Village , Kundrathur Taluk, Kanchipuram District, Tamil Nadu by Thiru. C. Saravanan - For Environmental Clearance. (SIA/TN/MIN/412327/2021 dated: 27/12/2022)

The proposal was placed in this 353rd meeting of SEAC held on 10.02.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. C. Saravanan has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 1.51.0 ha at S.F.Nos. 132/1, 132/2A, 132/2B, 132/3 and 132/4 of Chetthuppattu Village , Kundrathur Taluk, Kanchipuram District, Tamil Nadu.


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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, as amended.

Based on the presentation and documents furnished by the project proponent, SEAC directed the Project Proponent to furnish certified compliance report for the earlier EC. On receipt of the same the proposal will be taken up for further deliberations.

Agenda No: 353 - 27

(File No: 9713/2023)

Proposed Rough stone quarry lease area over an extent of 2.00.0Ha at S.F.Nos. 506/2(Part) (Govt. Poramboke land), P.Chettihalli Village, Palacode Taluk, Dharmapuri District, Tamil Nadu by Tmt. R.Oviyam- For Environmental Clearance.(SIA/TN/MIN/413336/2023 Dt. 05.01.2023)

The proposal was placed for appraisal in this 353rd SEAC meeting held on 09.02.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Tmt. R.Oviyam has applied for Environmental Clearance for the proposed Rough stone quarry lease area over an extent of 2.00.0Ha at S.F.Nos. 506/2(Part) (Govt. Poramboke land) P.Chettihalli Village, Palacode Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for 5 years not to exceed 3,77,366 m³ of Rough stone with proposed depth – 50m (25m AGL + 25m BGL).
4. Earlier appl No. SIA/TN/MIN/200228/2020 dt: 25.02.2021 (File No. 8397/2020) was appraised vide 262nd SEAC Meeting held on 8.4.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.


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

The Committee noted that the P.Chettipalli additional Reserve Forest is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, **decided not to recommend the proposal.**

5. Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.1) Department, dated 14.12.2022, as below.


"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

6. Consequently, the proponent has re-presented/reaplied the proposal to reconsider the earlier decision based on the above G.O.
7. The Proponent has resubmitted the same proposal vide online application No. SIA/TN/MIN/413336/2023 dt: 05.01.2023 (File No. 9713/2023) with all necessary supporting documents in order to obtain Environmental Clearance.

| Description | Old File | New File |
|---------------------------|--|--|
| File No | 8397 | 9713 |
| Online Proposal No for EC | SIA/TN/MIN/200228/2020. Dated: 25.02.2021 | SIA/TN/MIN/413336/2023 Dated: 05.01.2023. |

Hence, the proposal was placed in the 353rd Meeting of SEAC held on 09.02.2023. SEAC noted that Cauvery South Wildlife Sanctuary is located within 10km radius & its ESZ is yet to be notified. Hence, the Committee decided to seek the following details from the PP.

The PP shall obtain NBWL clearance for Cauvery South Wildlife


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Sanctuary, vide, MoEF &CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022.

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

Agenda No: 353-28

(File No: 9717/2023)

Proposed Rough Stone & gravel quarry lease area over an extent of 0.58.0 Ha at S.F No.175/1 & 175/2, Erumaiyur Village, Kundrathur Taluk (Formerly sriperumbudur), Kancheepuram District by Thiru.S.Ravisundar- For Terms of Reference. (SIA/TN/MIN/413486/2023, dated:06.01.2023)

The proposal was placed for appraisal in 215th SEAC meeting held on 29.6.2021, 260th SEAC Meeting held on 1.4.2022, 286th meeting of SEAC held on 17.6.2022 and 504th SEIAA meeting held on 6.5.2022. The details of the minutes are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.S.Ravisundar has applied for Terms of Reference for the Rough Stone & gravel quarry lease area over an extent of 0.58.0 Ha at S.F No 175/1&175/2, Erumaiyur Village, Kundrathur Taluk (Formerly sriperumbudur), Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under Category "B1" 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. Production for 5 years is 1,45,800 m³ of Rough stone and 17,928m³ of gravel. The Annual peak production is 36000m³ of rough stone (in 1st, 2nd & 3rd year respectively) and 10152m³ of gravel (1st year) with an ultimate depth of mining 33m BGL.

This proposal has again been placed before 286th SEAC meeting held on 17.6.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government Industries Department has notified the following Rules specifying certain conditions for


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permitting mining activities near ecologically sensitive areas.

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

The Committee noted that the **Erumaiyur Reserve Forest abutting , Nallur Reserve Forest** is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, **decided not to recommend the proposal for ToR.**

Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.1) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

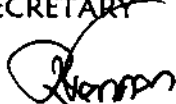
Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O.

The Proponent has resubmitted the same proposal on 06.01.2023 with all necessary supporting documents to obtain Environmental Clearance. The proposal was placed for appraisal in this 353rd meeting of SEAC held on 09.02.2023.

| File No | 8546 | 9717 |
|---------------------------|--|--|
| Online Proposal No for EC | SIA/TN/MIN/63015/2021, Dated 30.04.2021 | SIA/TN/MIN/413486/2023 Dated 06.01.2023 |

Based on the presentation made by the proponent, **SEAC decided to recommend for**

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grant of Terms of Reference (TOR) with Public Hearing, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 150m, 200m, 250m, 300m and 500m from the boundary of the mine lease area.
2. The proponent shall discuss the funds for mitigation measures to be included in the EMP.
3. The proponent shall adhere to the bench height - 5m as stated in the approved mining plan.
4. The proponent shall obtain Anna University Star rating system.
5. The PP shall leave 60m safety distance for Reserve Forest adjoining the mining lease area as per the revenue records or any other standing orders as applicable.
6. The Project Proponent shall conduct the 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) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Necessary data and documentation in this regard may be provided.
7. The proponent shall submit the details regarding the nature of blasting activity which will be carried out.
8. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
9. The PP shall provide individual notice regarding the Public Hearing to the nearby house owners located in the vicinity of the project site.
10. In the case of proposed lease in an existing (or old) quarry where the benches are non-existent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall'

benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.

11. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
12. **Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe blasting operation while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.**
13. Details of Green belt & fencing shall be included in the EIA Report.
14. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
15. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - (i)What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - (ii)Quantity of minerals mined out.
 - (iii)Highest production achieved in any one year
 - (iv)Detail of approved depth of mining.
 - (v)Actual depth of the mining achieved earlier.
 - (vi)Name of the person already mined in that leases area.
 - (vii)If EC and CTO already obtained, the copy of the same shall be submitted.
 - (viii)Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
16. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an

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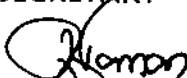
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Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).

17. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
18. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
19. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
20. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
21. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
22. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
23. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
24. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water

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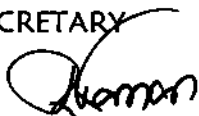
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bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

25. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
26. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
27. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
28. Impact on local transport infrastructure due to the Project should be indicated.
29. A tree survey study shall be carried out (nos., name of the species, age, diameter etc..) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
30. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
31. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
32. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
33. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.

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34. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
35. 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-lin consultation with the DFO, State Agriculture University. 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.
36. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted 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.
37. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
38. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
39. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
40. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the

proposed remedial measures should be detailed along with budgetary allocations.

41. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
42. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
43. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
44. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
45. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
46. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.


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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 Metalliferous 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.


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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.


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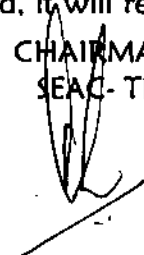
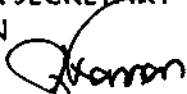

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17. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through 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 (TNPCE) 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

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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 | காட்டுமா |
| 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 | சரக்கொண்டை |
| 14 | <i>Cassia roxburghii</i> | Sengondrai | செங்கொண்டை |
| 15 | <i>Chloroxylon sweitenia</i> | Purasamaram | புரசு மரம் |
| 16 | <i>Cochlospermum religiosum</i> | Kongu, Manjallavu | கோங்கு, மஞ்சள் இலவு |
| 17 | <i>Cordia dichotoma</i> | Naruvuli | நருவுளி |
| 18 | <i>Creteva adansonii</i> | Mavalingum | மாவிலங்கம் |
| 19 | <i>Dillenia indica</i> | Uva, Uzha | உசா |
| 20 | <i>Dillenia pentagyna</i> | SiruUva, Sitruzha | சிறு உசா |
| 21 | <i>Diospyro seberum</i> | Karungali | கருங்காலி |
| 22 | <i>Diospyro schloroxylon</i> | Vaganai | வாகனை |
| 23 | <i>Ficus amplissima</i> | Kalltchi | கல் இச்சி |
| 24 | <i>Hibiscus tiliaceou</i> | Aatrupoovarasu | ஆற்றாப்புவரசு |
| 25 | <i>Hardwickia binata</i> | Aacha | ஆச்சா |
| 26 | <i>Holoptelia integrifolia</i> | Aayili | ஆயா மரம், ஆயிலி |
| 27 | <i>Lannea coromandelica</i> | Odham | 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 | அரம்பா, பிசின்பட்டை |
| 32 | <i>Madhuca longifolia</i> | Iluppai | இலுப்பை |
| 33 | <i>Manilkara hexandra</i> | UlakkaiPaalai | உலக்கை பாலை |
| 34 | <i>Mimusops elengi</i> | Magizhamaram | மகிழமரம் |
| 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> | Eachai | ஈச்சமரம் |
| 39 | <i>Pongamia pinnat</i> | Pungam | புங்கம் |

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|----|--------------------------------|-------------------------|-------------------------|
| 40 | <i>Premna mollissima</i> | Munnai | முன்னை |
| 41 | <i>Premna serratifolia</i> | Narumunmai | நறு முன்னை |
| 42 | <i>Premna tomentosa</i> | Malipoovarasu | 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 | வெண்ணங்கு |
| 46 | <i>Pterospermum xylocarpum</i> | Polavu | புலவு |
| 47 | <i>Putranjiva roxburghii</i> | Karipala | கரிபலா |
| 48 | <i>Salvadora persica</i> | Ugaa Maram | ஊகா மரம் |
| 49 | <i>Sapindus emarginatus</i> | Manipungan, Soapukai | மணிப்பங்கள் சோபுகாய் |
| 50 | <i>Saraca asoca</i> | Asoca | அசோகா |
| 51 | <i>Streblus asper</i> | Piray maram | பிராய் மரம் |
| 52 | <i>Strychnos nuxdomic</i> | Yetti | யெட்டி |
| 53 | <i>Strychnos potatorum</i> | Therthang Kottai | தேத்தாங் கொட்டை |
| 54 | <i>Syzygium cumini</i> | Naval | நாவல் |
| 55 | <i>Terminalia belleric</i> | Thandri | தாண்ட்ரி |
| 56 | <i>Terminalia arjuna</i> | Ven marudhu | வென் மருது |
| 57 | <i>Toona ciliate</i> | Sandhana vembu | சந்தாந வேம்பு |
| 58 | <i>Thespesia populnea</i> | Purvarasu | பூவரசு |
| 59 | <i>Walsuratrifoliata</i> | valsura | வால்குரா |
| 60 | <i>Wrightia tinctoria</i> | Veppalai | வேப்பாலை |
| 61 | <i>Pithecellobium dulce</i> | Kodukkapuli | கொடுக்காப்பழி |

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

கனம் கமிஷனர் டி.வாழி சொல்பாடுகளுக்கான கற்றுத்தரல் அனுமதி திருவனந்தபுரம் திருத்தலாலைக்கு உட்பட்டு வழங்கப்பட்டுள்ளது. SEWA—, தேதி உரிப்பட்டு, கற்றுத்தரல் அனுமதி _____ தேதி வரை சொல்லத்தக்கதாக உள்ளது.

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| <p>பகலும் பகல்தி வளர்ச்சி மேம்பாட்டுக்கான அமைதி திட்டம்</p> | <p>குலாதிபிகள் எல்லையைச் சுற்றி மேலும் அமைச்சு போனதும் அரசாங்கத்தின் ஆயுதம் தளமாட்டத்திலிருந்து பிட்டுக்கு மிகவும் இருக்க வேண்டும். கரந்திரம் மாக ஏற்படாதவாறு அமைச்சு பாரிசைன செய்துகொண்ட வேண்டும்.</p> |
| <p>நடப்பட்டு புராதனத்துக்கான மேம்பாடுகள் எல்லாவிதமாக:</p> | <p>வாணிகர்கள் செல்லும் பாதையில் மாக ஏற்படாத அமைதிக்கு தள்ளிவைத்து முன்னிலை தள்ளிவைத்து வளர்ச்சியின் முன்னிலை அவ்வப்போது தெரிவிக்க வேண்டும். இருக்கின்ற அமைப்புகள் தனி மாகப்பாட்டம் முன்னிலைக்கு குலாதிபிகள் எல்லையை சுற்றி அடத்திபாடு பகலும் பகல்தி ஏற்படுத்த வேண்டும்.</p> |
| <p>அமைச்சுதான் மேலு அமைச்சுப்போது திரைபதிவுகள் ஏற்படாதவாறு மற்றும் அதன் பற்றிக்கொண்ட பாதையில் நடவடிக்கைகளை உள்நிலைப்பாடு செய்யப்படுகிறது மேலும்</p> | <p>அமைச்சுதான் இருந்து ஏற்படும் இனாசர்சன் அமைச்சு 85 செப்டம்பர் (2018) அமைச்சு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேல் கொண்டு வேண்டும்.</p> |
| <p>அமைச்சு 2018 மீதிக்க 1998ன் கீழ் அமைச்சுதான் உள்நிலைப்பாடு பாரிசைன செய்து தகுந்த பாதையில் கொண்டுவரும் அமைச்சு வளர்ச்சியை செய்து தகுந்த வேண்டும்.</p> | <p>மிகவும் அவ்வாறு பதிவுசெய்து வளர்ச்சி வளர்ச்சியை செல்லும் சமையலை தொடர்த்து தகுந்த பாதையில் வேண்டும்.</p> |
| <p>அமைச்சுப்பாரிசைன அமைச்சு உள்நிலைப்பாடு பாரிசைன மற்றும் திட்டமிடல்கள் பதிவுசெய்து கட்டப்படும் திட்டமிடல்கள் பதிவுசெய்து பாதம் இருப்பதை உறுதி செய்து வளர்ச்சியின் திட்டமிடல் திட்டமிடல்கள் தொடர்த்து வளர்ச்சியை வேண்டும்.</p> | <p>அமைச்சுதான் இருந்து வளர்ச்சி செய்து கொண்டு வளர்ச்சியின் பதிவுசெய்து வளர்ச்சியை வளர்ச்சியை இருக்க வேண்டும்.</p> |
| <p>அமைச்சுப்பாரிசைன முயற்சிப்போது அமைச்சு மேல் திட்டமிடல் உள்நிலைப்பாடு அமைச்சுதான் மேல் வேண்டும்.</p> | <p>அமைச்சு நடவடிக்கைகளை முயற்சிப்போது அமைச்சு மற்றும் அமைச்சு நடவடிக்கைகளை இடைபுது ஏற்படக்கூடிய மேல் ஏற்பு பகல்தியையும் மறுகட்டுப்பாடு செய்து தகுந்தவர்கள் விவரங்களை ஆய்விப்பதின் வளர்ச்சிக்கு ஏற்ற வளர்ச்சியின் பகல்தியை உருவாக்க வேண்டும்.</p> |
| <p>(முன்னிலைப்பாடு திட்டமிடல்களை அமைச்சு பாரிசைன (http://parishan.in) என்கிற இணையதளத்தில் பார்வையிடவும் மேலும் அதனை ஏற்படுத்தும் சந்தை பாதைக்கு செல்லவாயில் உள்நிலைப்பாடு மற்றும் வள அமைச்சுதான் முன்னிலைப்பாடு கட்டப்படும் அமைச்சுதான்: 044 - 28222325 (அமைச்சு தகுந்த மாக கட்டுப்பாடு வளர்ச்சியின் மாக கட்டுப்பாடு பாதையில் பாதையில் அமைச்சுதான்)</p> | <p></p> |

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