

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 352nd meeting of the State Expert Appraisal Committee (SEAC) held on 8.02.2023 (Wednesday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligal, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects

Agenda No. 352 -01

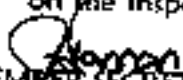
(File No. 1194/2013)

Existing Black Granite Quarry over an extent of 8.98.5 Ha at S.F. No. 883(Part), Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District by M/s. Tamil Nadu Minerals Limited - for Environmental Clearance Under Violation. (SIA/TN/MIN/37405/2018, Dated: 06.06.2019)

The proposal was placed before the 352nd SEAC Meeting held on 08.02.2023. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. The quarry lease was issued in the name of M/s. TAMIN Limited by the Government, Industries Department, vide Letter, No. G.O. (3D) No. 02 dated 04/01/2011 for a period of 30 years to quarry black granite over an extent of 8.98.5 Hectares in S.F.No 883 (Part) of Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District.
2. The unit was issued ToR under violation category vide Lr No. SEIAA-TN/F.No.1194/ToR-379/2018 dated 22/05/2018.
3. Quarrying operation will be done by Opencast Semi Mechanised method.
4. Lease applied area is not covered under HACA region.
5. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
6. No Interstate boundary & Western Ghats Boundary within the radius of 5km from the lease area.
7. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.
8. Earlier the proposal was placed in 259th SEAC meeting held on 31.03.2022. Based on the Inspection report, presentation and documents furnished by the project


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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 Bevanur Reserve Forest is located at a distance of 0.6km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

9. Subsequently, the proposal was placed in the 505th Authority meeting held on 09.05.2022 and SEIAA decided to communicate the SEAC minutes to the project proponent held on 31.03.2022.

Now, the proposal was placed in the 352nd SEAC meeting held on 08.02.2023. Based on the presentation and documents furnished by the PP SEAC noted that this is a violation case to start with. Hence, SEAC decided that PP shall apply afresh with relevant documents in online through PARIVESH portal, clearly stating the history of the case, to take further course of action.

Agenda No: 352-02

(File No: 3774/2015)

Proposed Black Granite (Dolerite) lease area over an extent of 3.43.5 Ha in S.F.No. 532/1A1, 528/1A & 527/1 at Puligunda Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Tvl. Bannari Amman Sugars Limited- For Extension Environmental Clearance Amendment. (SIA/TN/MIN/215006/2021, dated: 12.06.2021)

Earlier, this proposal was placed in this 261st SEAC Meeting held on 07.04.2022. The details, furnished by the Proponent are given in the Parivesh website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Tvl. Bannari Amman Sugars Limited, has applied for Environmental Clearance for the proposed Black Granite lease area over an


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extent of 3.43.5 Ha in S.F.No.532/1A1, 528/1A & 527/1 at Puligunda Village, Krishnagiri 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.

Based on the presentation made by the proponent and the documents furnished, SEAC decided that the project proponent shall furnish documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest Pulikonda R.F from the proposed quarry site.

Subsequently, the subject was placed in the 470th Authority meeting Dt: 18.10.2021. After detailed discussion, the Authority noted as follows.

1. The Environmental Clearance was accorded to Tvl. Bannari Amman Sugars Limited, Black Granite (Dolerite) for mining/quarrying of Black granite over an extent of 3.43.5 hectare at S.F No. 532/1A1, 528/1A, & 527/1 Puligunta Village, Krishnagiri Taluk, Krishnagiri District for a period of five years vide Letter No. SEIAA-TN/F.NO.3774/EC/1(a)/2428/2015 dated 19.11.2015.
2. Tvl. Bannari Amman Sugars Limited, has submitted the application for modification of Environmental Clearance accorded to Black Granite (Dolerite) Quarry Project over an Extent of 3.43.5Ha of Patta land in S.F.Nos. 532/1A1, 528/1A and 527/1 of Puligunda Village, Krishnagiri Taluk, Krishnagiri District stating as follows.

- a. We would like to increase the Granite production ROM from 40760cu.m to 665429cu.m and scheme of mining approved.
- b. Due to the non availability of the expansion option in parivesh for Mining of mining, the PP have applied for the extension of validity vide online proposal no.SIA/TN/MIN/215006/2021, dated: 12.06.2021.

In view of the above, the Authority decided to request the Member Secretary, SEIAA to forward this proposal to SEAC, since it is an expansion project as committed by the proponent, which needs to be appraised by SEAC.

The 1 km rule has since been amended vide G.O. (Ms.) No. 243, Industries, Investment Promotion and Commerce (MMC.I) Department dated 13.12.2022 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


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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 352nd SEAC meeting Dt: 08.02.2023. During the SEAC meeting, the proponent stated that he is entitled for an automatic extension as per the MoEF&CC notification dated 12.04.2022 and O.M dated 13.12.2022 and hence requested SEAC 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.

- 1) As accepted by the Project Proponent the CER cost is Rs.30 lakhs and the amount shall be spent on the committed activities such as i) painting of entire school and plantation along the school Boundary to Thogarapalli Government Higher Secondary School, Krishnagiri before obtaining CTO from TNPCB.

Agenda No: 352-03


(File No: 3776/2021)

Proposed Black Granite (Dolerite) lease area over an extent of 1.91.0 Ha in S.F.No. 530/1, 530/2 at Puligunda Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Tvl. Bannari Amman Sugars Limited- For Extension Environmental Clearance Amendment. (SIA/TN/MIN/214619/2021, dated: 09.06.2021)

The proposal was earlier placed in the 261st SEAC Meeting held on 07.04.2022. The details, furnished by the Proponent are given in the PARIVESH website. (parivesh.nic.in)

The SEAC noted the following:

1. The project proponent, Tvl. Bannari Amman Sugars Limited, has applied for Environmental Clearance for the proposed Black Granite (Dolerite) lease area


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over an extent of 1.91.0 Ha in S.F.No. 530/1, 530/2 at Puligunda Village, Krishnagiri 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, as amended.

Based on the presentation made by the proponent and the documents furnished, SEAC decided that the project proponent shall furnish documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest Pulikonda R.F from the proposed quarry site.

Now, the proposal was placed in this 352nd meeting of SEAC held on 08.02.2023. 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.5EIAA-TN/F.No.5055/1(a)/ EC.No: 3237/2016 dated:06.07.2016 to Tvl. Bannari Amman Sugars Limited for Black Granite (Dolerite) lease area over an extent of 1.91.0 Ha in S.F.No. 530/1, 530/2 at Puligunda Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu for the production of 2025 cu.m Grey Granite to a depth of 9m.
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, total production for the first 5 years not to exceed RoM: 19130 m³. Grey Granite (50% recovery) – 9565 m³. Granite Waste (50%)- 9565 and the Ultimate depth not to exceed 19m. The annual peak production shall not exceed 1040 m³(4th 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...


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"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. 8 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

Agenda No: 352-04

(File No: 3886/2018)

Proposed Black Granite quarry lease over an extent of 20.50.0 Ha at S.F.No.74/1(P), 126/1A, 127, 132/P, 144/1, 2, 145/2, Veeranam Village, Thandarampattu Taluk, Tiruvannamalai District, Tamil Nadu by M/s.Tamilnadu Minerals Limited - For Environmental clearance (under violation). SA/TN/MIN/30246/2015 Dt. 16.2.2017)

Earlier, this proposal was placed in 255th SEAC meeting held on 18.3.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

SEAC noted the following:

1. The Project Proponent, M/s.Tamilnadu Minerals Limited has applied seeking Environmental Clearance for the proposed Black Granite quarry lease over an extent of 4.90.0 Ha at S.F.Nos. 20.50.0 Ha at S.F.No. 74/1(P), 126/1A, 127, 132/P, 144/1, 2, 145/2, Veeranam Village, Thandarampattu Taluk, Tiruvannamalai 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. The Violation ToR issued by SEIAA-TN vide Letter No SEIAATN/F.No.3886/2018/ToR-609/2019 Dated 20.02.2019.
4. The proponent submitted the final EIA and EMP report on 17.09.2020.
5. Earlier this proposal was placed before 184th SEAC meeting held on 30.10.2020 (vide Item no. 03) and the SEAC after detailed deliberations


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decided to *recommended* the project proposal for grant of Environmental Clearance subject to certain conditions.

6. The proposal was placed in the 486th Authority meeting held on 16.02.2022 (vide Item No.17). After detailed discussion, on examination of the digital map of Ponniyar Reserve Forest, it is seen that the mining lease is situated close to the Reserve Forest, i.e. at a distance of 60 m from the boundary of the above R.F. Further, from the DFO, Thiruvannamalai south Division in letter reference vide C.No.5539/2016/D Date: 25.01.2017 has informed the quarry site adjoins the boundary of "Pennaiyar "RF of Sathaur Range. From G.O.(Ms).No.295Industries (MMC.I) Department dated 03.11.2021 mentions that " e) Notwithstanding anything contained in any law for the time being in force, no quarrying or mining or crushing activities shall be carried out within one kilometre 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 protected areas such as the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephants Corridors and Reserve Forests". Hence, Authority decided to refer back the file to SEAC for considering the matter.

Under the above circumstance the proposal was again placed in 255th SEAC Meeting held on 18.3.2022. Based on the presentation, document furnished and clarification given by the proponent, SEAC noted that the Pennaiyar 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 subject was placed in the 499th authority meeting Dr: 11.04.2022. Authority noted from the minutes of the 255th SEAC meeting held on 18.03.2022. SEAC noted that the Proposal was placed in the 486th Authority meeting held on 16.02.2022 (vide Item No.17). After detailed discussion, on examination of the digital map of Ponniyar Reserve Forest, it is seen that the mining lease is situated close to the Reserve Forest, i.e. at a distance of 60 m from the boundary of the above R.F. Further, from the DFO, Thiruvannamalai south Division in letter reference vide


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C.No.5539/2016/D Date: 25.01.2017 has informed the quarry site adjoins the boundary of "Pennaiyar "RF of Sathaur Range. From G.O.(Ms).No.295 Industries (MMC.I) Department dated 03.11.2021 mentions that " e) Notwithstanding anything contained in any law for the time being in force, no quarrying or mining or crushing activities shall be carried out within one kilometre 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 protected areas such as the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephants Corridors and Reserve Forests". Hence, Authority decided to refer back the file to SEAC for considering the matter.

Under the above circumstance the proposal was again placed in 255th SEAC Meeting held on 18.3.2022. Based on the presentation, documents furnished and clarification given by the proponent, SEAC noted that the Pennaiyar 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 above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.I) 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".

In view of the above, the proposal was again placed in the 352nd SEAC meeting Dt: 08.02.2023. Based on the presentation & documents furnished, the Committee after detailed discussion decided to re-confirm the recommendations already made for the project proposal under violation category in 234th SEAC Meeting held on 22.09.2021.

Agenda No: 352-05

(File No: 6172/2023)

Existing limestone mines over an extent of 1.21.5 Ha at S.F. No: 393/8 & 395/1(P), Uthappanalekanur Village, Usilampatti Taluk, Madurai District, Tamil Nadu by M/s. Suriya Industrial Minerals- For Environmental Clearance (Under Violation Category).
SIA/TN/MIN/414344/2023 dated:12.01.2023)


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The proposal was placed for appraisal in this 352nd meeting of SEAC held on 08.02.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. Suriya Industrial Minerals, has applied for Environmental Clearance for the proposed Existing limestone mines over an extent of 1.21.5 Ha located at S.E.No: 393/8 & 395/1(P), Uthappanaickanur Village, Uthirapatti Taluk, Madurai 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. ToR under violation was issued vide Lr. No SEIAA-TN/F.No.6172/ToR-324/2018 dated 10.05.2018.
4. Amendment ToR issued with public hearing vide Lr.No.SEIAA-TN/F-6172/SEAC-CXVII/ToR-324(A)/2018 Dt.30.07.2018.
5. Earlier, the proposal (Online no. SIA/TN/MIN/ 43834/2018 dated:11.08.2021) was placed in 256th SEAC meeting held on 24.03.2022. 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. Also, the proponent has not conducted the public hearing as directed in ToR issued under violation. Hence, the SEAC decided not to recommend the proposal.
6. In this meeting, the proponent gave representation (SIA/TN/MIN/414344/2023 dated:12.01.2023) after conducting the public hearing.

File No	6172	6172
Online Proposal No for EC	SIA/TN/MIN/43834/2018 dated:11.08.2021	SIA/TN/MIN/414344/2023 dated:12.01.2023)

Based on the presentation and document furnished by the project proponent, SEAC decided to obtain the following additional particulars from the proponent:

- i) The PP shall furnish a letter from DFO on the proximity details of nearest RF and Wildlife Sanctuaries with respect to the proposed project site.

Meanwhile, the SEAC decided to constitute a sub-committee to make an on-site


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inspection to assess the present status of the proposed project, environmental settings and also to assess ecological damage assessment, remediation plan, natural resource augmentation and community resource augmentation furnished by the PP.

After the receipt of the additional details from the proponent and the evaluation report by the Sub-committee, the SEAC will further examine the proposal.

Agenda No: 352-06
(File No: 7136/2021)


Proposed Rough stone quarry Project over an Extent of 4.64.0 Hectares of Patta land in S.F.Nos. 136/1B (P), 136/1C (P), 136/2A, 136/2B, 136/2C, 136/2D, 136/2E, 371/2(P), 372/4(P), 372/6, 372/7, 372/8(P), 373(P), 376/3(P), 376/5(P), 377/5(P), 377/4(P), 377/3(P), 377/6, 377/7(P), of Athimugam Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. Kuthavakkam Properties Pvt Ltd - for Environmental Clearance (SIA/TN/MIN/64244/2021 dated 02.08.2021)

The project proposal was earlier placed for appraisal in the 302nd meeting of SEAC held on 17.08.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The Committee noted that,

1. The Project Proponent, M/s. Kuthavakkam Properties Pvt Ltd has applied seeking Environmental Clearance for the proposed Rough stone quarry Project over an Extent of 4.64.0 Hectares of Patta land in S.F.Nos. 136/1B (P), 136/1C (P), 136/2A, 136/2B, 136/2C, 136/2D, 136/2E, 371/2(P), 372/4(P), 372/6, 372/7, 372/8(P), 373(P), 376/3(P), 376/5(P), 377/5(P), 377/4(P), 377/3(P), 377/6, 377/7(P), of Athimugam Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item I(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. ToR granted vide T.O.Lr. No. SEIAA TN/E.No. 7136/SEAC/ToR-979/2019 dated 05.07.2021 for the restricted production of 14,35,521m³ of Rough Stone and ultimate depth of 45m.
4. Public Hearing not conducted.
5. EIA report submitted on 05.08.2021

Based on the details furnished by the PP, the SEAC decided to call the following details from the PP.


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- a. The Project Proponent shall include the letter received from DFO concerned stating the proximity details of Reserve Forests (Athimugam 1 RF & other RF), Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
- b. Survey Numbers of the project site mentioned in this application have been quoted in a similar proposal filed by the Project Proponent (File No.7338) and EC has already been granted for the said project. Project Proponent shall clarify the same.
- c. Project Proponent shall conduct Public Hearing as Imposed in the TOR granted for the Project and revise EIA/EMP reports based on public hearing.

On receipt of the reply, the Committee decided to deliberate further and to decide on future course of action.

The file was taken up for discussion in this 352nd meeting of SEAC held on 08.02.2023. After detailed discussions, the SEAC had observed the relevant provision of MoEF&CC OM no. J-11013/41/2006-IA-II (I) (Part) dt. 29 August, 2017 and the EIA Notification S.O 141 (E), dated. 15.01.2016 as the Public Hearing (PH) is a stage after TOR is issued for preparation of EIA covering all the areas/part(s) of the lease.

Hence the Committee directed the Project Proponent to conduct the Public Hearing as imposed In the TOR granted for the Project covering all the survey numbers of the proposed area included in the mining lease diligently following the provisions of EIA Notification S.O. 1533, dated. 14.09.2006 and revise EIA/EMP reports, wherever necessary, based on public hearing.

Agenda No: 352-07

(File No: 7539/2022)

Proposed Rough stone & gravel quarry lease area over an extent of 2.99.0 Ha at S.F. No. 170 (Part - 4) Chennampatti Village, Anthiyur Taluk, Erode District Tamil Nadu by Thiru S. Madharasu - For Environmental Clearance. (SIA/TN/MIN/52113/2020 Dt. 25.2.2022)


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Earlier, this proposal was placed for appraisal in this 268th meeting of SEAC held on 29.4.2022. 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. Madharasu has applied for Environmental Clearance for the Proposed Rough stone & gravel quarry lease area over an extent of 2.99.0 Ha at S.F. No. 170 (Part - 4) Chennampatti Village, Anthiyur Taluk, Erode 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 5 years. The production for 5 years not to exceed 558755m³ of rough stone. The Annual peak production as per mining plan is 141305m³ of rough stone (1st year) with ultimate depth of 61m (21m AGL + 40M AGL).
4. The PP has issued with ToR vide Lr No.SEIAA-TN/F.No.7539/SEAC/ToR-746/2020 Dated: 12.9.2020 .

1	Name of the Owner/Firm	: Thiru. S. Madharasu. S/o. Sennlappagounder, No.129, Therku Thottakottalkal, Illipittai, Erode District - 638 504.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone
3	S.F No. of the quarry site with area break-up	: 170 (Part-4)
4	Village in which situated	: Chennampatti
5	Taluk in which situated	: Anthiyur
6	District in which situated	: Erode
7	Extent of quarry (In ha.)	: 2.99.0 Ha
8	Period of quarrying proposed	: 5 Years
9	Type of mining	: Opencast Mechanized Mining
10	Production (Quantity In m ³)	: 5,58,755 m ³ of Rough Stone
11	Latitude & Longitude of all corners of the quarry site	: 11°41'37.24"N to 11°41'46.24"N 77°41'13.48"E to 77°41'21.47"E
12	Topo Sheet No.	: 58-E/10

13	Man Power requirement per day:	: 37 Nos
14	Precise area communication approved by District Collector with date	: Na.Ka.En. 912/Kanimam/2019 dated:21.11.2019
15	Mining Plan approved by Deputy Director, Department of Geology and Mining with date	: R.c. No. 912/Mines/2019, dated:23.01.2020
16	Water requirement: 1. Drinking water & domestic purposes (in KLD) 2. Dust Suppression (in KLD) 3. Green Belt (in KLD)	: 2.8 KLD 0.8 KLD 1.0 KLD 1.0 KLD
17	Power requirement a. Domestic Purpose b. Industrial Purpose	: TNEB 500 liters of HSD / day
18	Depth of quarrying	: 61m (21m AGL + 40m BGL)
19	Depth of water table	: 64m-79m bgl
20	Whether any habitation within 300m distance	: No
21	Project Cost (including EMP cost)	: Rs. 98,05,000/-
22	EMP cost	: Capital Cost - Rs. 66,41,955/- Recurring Cost - Rs. 27,04,443/-
23	CER cost	: Rs. 5,00,000/-
24	Assistant Director. mines 500m cluster letter	: R.c. No.912/Mines/2019, dated:12.02.2020
25	VAO certificate regarding 300m radius cluster	: Letter dated: 11.01.2020

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."


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

"In the said rules, in rule 36, in Sub-rule (I-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. The SEAC noted the following.

File No	7539	7539
Online Proposal No for EC	SIA/TN/MIN/52113/2020 Dt. 25.2.2022	SIA/TN/MIN/413733/2023 Dated 9.01.2023

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 558755 m³ of Rough Stone not exceeding the annual peak production of 141305 m³ of Rough Stone with maintaining an ultimate pit depth of 61 m (21m AGL + 40m 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:


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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 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 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.
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) more irrespective of working above ground /below ground level



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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. 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 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
10. 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.
11. 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.
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. As a protective measure to the existing Palamalai R.F, 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.

14. Due to cluster situations and the location of Palamalai R.F at a distance of 1 km, 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.
15. 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 & Palamalai R.F.
16. No 'Deep-hole large diameter drilling and blasting' is carried out in the proposed quarry.
17. The PP shall carry out the blasting operation twice in a week such that the blasting frequency is limited to the extent for ensuring the control of blast-induced environmental impacts and adopt all necessary precautionary measures in accordance with the provisions of MMR 1961 during the time of blasting.
18. 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.
19. Since the quarry lies in a cluster situation, 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 while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
20. 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.
21. 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


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of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.

22. 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.

23. 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.

24. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.

25. 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.

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. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.11 dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.

29.As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Government Hr Sec School, Chennampatti, (as committed, before obtaining CTO from TNPCB.

Agenda No: 352-08

(File No: 7559/2020)

Proposed Rough stone & Gravel quarry project over an extent of 0.81.2 Ha in S.F.No. 1218/48(PART),1219/382 and 1219/6A at Katchaikatti Village, Vadipatti Taluk, Madurai District, Tamil Nadu by Tmt.J.Meenakshi - For Environmental Clearance. (SIA/TN/MIN/143764/2020 dated:17.02.2020).

The proposal was placed in this 352nd Meeting of SEAC held on 08.02.2023. 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, Tmt.J.Meenakshi has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 0.81.2 Ha at S.F.No. 1218/48(PART),1219/382 and 1219/6A at Katchaikatti Village, Vadipatti Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item I(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of 5 years & the production should not exceed 68,390m³ of Rough Stone, 10792 m³ of Gravel & 4964m³ of Weathered Rock with an ultimate depth of mining 38m BGL. The annual peak production 15070m³ of Rough Stone (4th year), 5396 m³ of Gravel (2nd year) & 2516m³ of Weathered Rock (1st year).

1	Name of the Owner/Firm	Tmt.J.Meenakshi, W/o.Jeganathan Ramayanpatti Katchaikatti Post Vadipatti taluk Madurai District
2	Type of quarrying	Rough Stone & Gravel
3	S.F No. Of the quarry site with area break-up	1218/48(Part), 1219/382 and 1219/6A
4	Village in which situated	Katchaikatti

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5	Taluk in which situated	Vadipatti
6	District in which situated	Madurai
7	Extent of quarry (in ha.)	0.81.2Ha
8	Period of quarrying proposed	5 years
9	Type of mining	Opencast Semi Mechanized Mining Method
10	Production (Quantity in m3)	As per mining plan, the lease period is 5 years. The mining plan is for the period of 5 years & the production should not exceed 68,390m ³ of Rough Stone, 10792m ³ of Gravel & 4964m ³ of Weathered Rock with an ultimate depth of mining 38m BGL. The annual peak production 15070m ³ of Rough Stone (4 th year), 5396m ³ of Gravel (2 nd year) & 2516m ³ of Weathered Rock (1 st year).
11	Latitude & Longitude of all corners of the quarry site	10°05'04" N to 10°05'09"N 78°00'21"E to 78°00'24"E
12	Top Sheet No.	5B- J/04
13	Man Power requirement:	16 Employees
14	Precise area communication approved by the District Collector with date	Na. Ka. No.671/2018 (Kantimam). dated: 29.11.2019
15	Mining Plan approved by the Deputy Director of Geology and Mining with date	Roc. No. 671/2018-Mines, dated: 13.12.2019
16	AD mines 500m cluster letter by Assistant Director(i/c) of Geology and Mining with date	Roc. No. 671/2018-Mines, dated: 08.01.2020
17	Water requirement: 4. Drinking & domestic purposes (in KLD) 5. Dust suppression 6. Green Belt (in KLD)	2.5 KLD 1 KLD 1.0 KLD 0.5 KLD
18	Power requirement c. Domestic Purpose d. Industrial Purpose	TNEB -
19	Depth of quarrying	38m BGL
20	Depth of water table	55m BGL

21	Whether any habitation within 300m distance	No
22	Project Cost	Rs.41 Lakhs
23	EMP cost	Rs.82.84 Lakhs
24	CER cost	Rs.5 Lakhs
25	VAO letter dated	Letter dated:10.12.2020

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 67,970m³ of Rough Stone, 4964m³ of Weathered Rock and 10,792m³ of gravel but not exceeding the annual peak production of 15,070m³ of Rough Stone, 2516m³ of Weathered Rock and 5396m³ of gravel with restricting the ultimate pit depth of 33m 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 inform the 'Notice of Opening' of the quarry to the Director of Mines Safety/Chennai Region before obtaining the CTO and also to obtain the necessary permissions before the commencement of quarrying operation from the DMS, Chennai.
4. 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.


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5. Since the Reserved Forest is located a distance of 700 m, the PP shall carry out the comprehensive tree plantation in two rows along the boundary of the mine to act as a barrier to reduce noise level and dust pollution considering the wind direction before obtaining the CTO from the TNPCB.
6. 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).
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 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.
8. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarries.
9. 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.
10. However, within one year of the commencement of mining operations, the Project Proponent shall carry out the scientific studies on 'Design of the controlled blasting operation in the proposed quarry for reducing the blast-induced ground/air vibrations and fly rock, by involving any of these reputed Research and Academic Institution - Central Institute of Mining & Fuel Research

/ Dhanbad, NIRM/Bangalore, 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.

11. 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.
12. 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.
13. 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.
14. 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.
15. 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 while considering few sheds and a temple lie in a radial distance of 300 m from their 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 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.


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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 Public Union Primary School, Ramalampatti Village as committed, before obtaining CTO from TNPCB.

Agenda No: 352-9

(File No: 7581/2022)

Proposed Earth quarry lease area over an extent of 1.04.0 Ha at SF.No. 1088/3, 1090/1A, 1090/1B, 1090/1C and 1090/1F1, R Kombai Village, Vedasanthur Taluk, Dindigul District Tamil Nadu by Tmt.A.Latha- For Environmental Clearance, (SIA/TN/MIN/138835/2020 Dt. 3.9.2021)

Earlier, the proposal was placed for appraisal in this 268th meeting of SEAC held on 29.4.2022. 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.A.Latha has applied for Environmental Clearance for the Proposed Earth quarry lease area over an extent of 1.04.0 Ha at SF.No. 1088/3, 1090/1A, 1090/1B, 1090/1C and 1090/1F1, R Kombai Village, Vedasanthur Taluk, Dindigul District Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for one year. The production for one year not to exceed 9825 m³ of Earth with ultimate depth of 1.5m BGL.

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

"In the said rules, in rule 36, in Sub-rule (T-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/resplled the proposal as under, to reconsider the earlier decision based on the above G.O.

File No	7581	7581
Online Proposal No for EC	SIA/TN/MIN/138835/2020 Dt. 3.9.2021	SIA/TN/MIN/414459/2023 Dated 13.01.2023

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.

The Committee also noted that the Thoppalswamimalai Reserve Forest is also part of Kadavur Slender Loris Sanctuary in Karur & Dindigul District and the proposed project site falls within 900m.


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Further, the Hon'ble Supreme Court of India also read the following in Para No 42 is as follows,

42. In our opinion, the Guidelines framed on 9th February 2011 appears to be reasonable and we accept the view of the Standing Committee that uniform Guidelines may not be possible in respect of each sanctuary or national parks for maintaining ESZ. We are of the opinion, however, that a minimum width of 1 kilometre ESZ ought to be maintained in respect of the protected forests, which forms part of the recommendations of the CEC in relation to Category B protected forests. This would be the standard formula, subject to changes in special circumstances. We have considered CEC's recommendation that the ESZ should be relatable to the area covered by a protected forest but the Standing Committee's view that the area of a protected forest may not always be a reasonable criteria also merits consideration. It was argued before us that the 1 km wide "no development zone" may not be feasible in all cases and specific instances were given for Sanjay Gandhi National Park and Guindy National Park in Mumbai and Chennai metropolis respectively which have urban activities in very close proximity. These sanctuaries shall form special cases.

Considering the relevant OMIs issued by the MoEF & CC and the Hon'ble Supreme Court Judgement, the SEAC decided not to recommend the proposal.

**Agenda No: 352-10
(9793/2023)**

Proposed Gravel quarry lease over an extent of 3.61.5 Ha at S.F. Nos.1/3, 1/5 and 1/8 of Adanur village, Vadipatti Taluk, Madurai District, Tamil Nadu by Thiru. M. Ramalingam - For Environmental Clearance.(SIA./TN/MDN/417171/2020 dated 06.02.2023)

The proposal was placed for appraisal in this 352nd meeting of SEAC held on 08.02.2023. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).


The SEAC noted the following:

1. The Project Proponent, Thiru. M. Ramalingam has applied for Environmental Clearance for the proposed Gravel quarry Lease over an extent of 3.61.5 Ha at S.F.Nor.1/3, 1/5 and 1/8. Adanur Village, Vadipatti Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) 'Mining of Minerals Project' of the Schedule to the EIA Notification, 2006.
3. The salient features of the project are as follows:


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1	Name of the Owner/Firm	Thiru. M. Ramalingam S/o. Muthukannuthevar K. Puliyankulam, Sekkanurani, Tirumangalam Taluk, Madurai District - 625 503.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Gravel Quarry
3	S.F No. of the quarry site with area break-up	1/3, 1/5 & 1/8
4	Village in which situated	Adanur
5	Taluk in which situated	Vadipatti
6	District in which situated	Madurai
7	Extent of quarry (in ha.)	3.61.5 Ha
8	Latitude & Longitude of all corners of the quarry site	10°03'51"N to 10°04'03"N 78°07'16"E to 78°07'24"E
9	Topo Sheet No.	58 J/ 04
10	Type of mining	Opencast method of shallow mining
11	Period of quarrying proposed	2 years
12	Production (Quantity in m ³)	57,940m ³ of gravel
13	Depth of Mining	2m (Above Ground level)
14	Depth of water table	40m BGL
15	Man Power requirement per day:	7 Nos.
16	Water requirement; 1. Drinking & domestic purposes; 2. Dust suppression 3. Green Belt	1.5 KLD 0.5 KLD 0.5 KLD 0.5 KLD
17	Power requirement	No Electricity is needed for mining Operation


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18	Precise area communication approved by the District, Collector, Madurai with date	Rc.No.1004/2019-Mines, Dated: 18.02.2020
20	Mining Plan approved by the Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.1004/2019- Mines, Dated: 23.03.2020
21	500m cluster letter issued by the Joint Director/ Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.1004/2019-mines, Dated: 07.05.2020
22	VAO certificate regarding habitations in 300m radius	Furnished
23	Project Cost (excluding EMP)	Rs.19.09 Lakhs
24	EMP cost	Capital Cost: Rs.7.40 lakhs Recurring Cost: Rs. 2.11 Lakhs Total for 2 years: Rs.4.33 Lakhs

4. In the 500m cluster letter dated.07.05.2020 issued by Joint Director/ Assistant Director (i/c), Dept. of Geology and Mining, though the lease periods was not mentioned, 4 the quarries were classified as abandoned/expired quarries and hence they may not be considered while calculating cluster. Therefore, this proposal comes under 'B2' category.

Earlier, the proposal was placed for appraisal in 291st meeting of SEAC held on 1.7.2022. Based on the presentation made by the 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 Kiluvamalai Reserve Forest is located within 1km from this project site and is also close to Tiger reserve and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

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


"In the said rules, in rule 36, in Sub-rule (I-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 as under to reconsider the earlier decision based on the above G.O.

File No	7642/2020	9793/2023
Online Proposal No for EC	(SIA/TN/MIN/162506/2020 dated 13.07.2020)	(SIA/TN/MIN/417171/2020 dated 06.02.2023)

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 upto 2m above ground level and the quantity of 57,940m³ of Gravel subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.


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2. The proponent shall mandatorily appoint the statutory competent persons accordingly for the proposed quarry size to satisfy the provisions of Mines Act 1952.
3. Since the Reserved Forest is located a distance of 500 m. the PP shall carry out the comprehensive tree plantation in two rows along the boundary of the mine to act as a barrier to reduce noise level and dust pollution considering the wind direction before obtaining the CTO from the TNPCB.
4. 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.
5. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
6. 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 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.
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.
8. 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.
9. 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.
10. 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.

11. 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.
12. **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.
13. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body, if any should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical desiltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
14. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
15. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
16. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
17. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining.


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18. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
19. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
20. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
21. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, It will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
22. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
23. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
24. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under.
25. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

26. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

27. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.

28. As accepted by the Project proponent the CER cost is Rs. 2 lakhs and the amount shall be spent for the Govt. Middle school in Kodankipatti for the following activities as committed, before obtaining CTO from TNPCB.

Agenda No: 352-11

(File No: 7781/2021)


Proposed Rough Stone quarry lease over an extent of 2.00.0 Ha at S.F. No. 1/4(Part-35) of Anandalai Village, Walajah Taluk, Ranipet District, Tamil Nadu by Thiru. A. Dhanakarthikeyan - For Environmental Clearance. (SIA/TN/MIN/411988/2022 dated 24.12.2022)

The proposal was placed in this 352nd Meeting of SEAC held on 08.02.2023. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

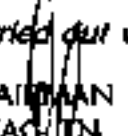
The SEAC noted the following:

1. The Project Proponent, Thiru. A. Dhanakarthikeyan has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 2.00.0 Ha at S.F. No. 1/4(Part-35) of Anandalai Village, Walajah Taluk, Ranipet District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR was issued in Lr No - SEIAA-TN/F.No.7781/SEAC/ToR-813/2020 Dated: 09.11.2020.
4. Public hearing was conducted Dated 21.10.2021.
5. Earlier the proposal was placed in 292nd SEAC meeting held on 07.07.2022. 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


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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 Bagavelli Reserve Forest is located at a distance of 0.87km (as per DFO letter, Vellore Division dated 14.07.22) from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, **decided not to recommend the proposal.**

6. Subsequently, the proposal was placed in the 537th Authority meeting held on 29.07.2022. In view of the above, the authority accepted the decision of SEAC and decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 07.07.2022.


1	Name of the Owner/Firm	: Thiru.A.Dahnakarhikeyan S/o.Ashok Kumar No.9, Muthusamy Street, Tiruchengode Namakkal District- 637211.
2	Type of quarrying	: Rough Stone
3	S.F No. Of the quarry site with area break-up	: 1/4(Part-35)
4	Village in which situated	: Anandalai
5	Taluk in which situated	: Walajah
6	District in which situated	: Vellore
7	Extent of quarry (in ha.)	: 2.00.0 ha
8	Period of quarrying proposed	: 5 years
9	Type of mining	: Opencast Mechanized Mining
10	Production (Quantity in m ³)	: 14,50,476 m ³ of Rough stone
11	Latitude & Longitude of all corners of the quarry site	: 12°55'53.34"N to 12°55'58.97"N 79°23'42.55"E to 79°23'49.89"E
12	Topo Sheet No.	: 57 P/05
13	Man Power requirement per day:	: 53 Nos
14	Predse area communication approved by the District Collector with date	: Na.Ka. No. 331/2019 (Kanimam), dated: 26.11.2019

15	Mining Plan approved by the Assistant Director of Geology and Mining with date	: Rc. No. 331/2019 (Mines), dated: 10.06.2020
16	Water requirement: 7. Drinking & domestic purposes 8. Dust suppression 9. Green Belt	: 3.0 KLD 1.0 KLD 1.2 KLD 0.8 KLD
17	Power requirement: a. Domestic Purpose b. Industrial purpose	: TNEB 450 Liters of HSD / day
18	Depth of quarrying	: 91 m (1m Top Soil and 90 m Rough Stone)
19	Depth of water table	: 64m in rainy and 69 in summer seasons
20	Project Cost (excluding EMP cost)	: Rs. 3,72,63,000
21	EMP cost	: Capital Cost - Rs. 1,15,49,808 Recurring Cost - Rs. 50,05,238
22	CER cost	: Rs. 5 Lakhs
23	AD mines 500m cluster letter	: Rc. No. 331/2019(Mines), dated: 15.06.2020
24	VAO certificate regarding 300m radius cluster	: Letter dated 22.06.2020
25	ToR Issued Details	: Lc.No. SEIAATN / ENo/7781/SEAC/TOR-813/2020, Dated: 09.11.2020
26	Public Hearing Date	: 21.10.2021
27	EIA Report Submitted Date	: 29.12.2022

To the latest "As per the G.O. (Ms.) No. 243 industries, Investment promotion and Commerce (MMC.I) 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 (I-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 352nd SEAC meeting Dt: 08.02.2023. 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 91m AGL (1m -Top Soil & 90m - Rough Stone) and the production of 14,50,476 m³ of Rough stone. The annual peak


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production shall not exceed 3,10,821 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 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 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.
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


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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) 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.
9. 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 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
10. 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.
11. 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.
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).


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13. 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.
14. Due to cluster situations and the location of R.F closely, 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.
15. 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.
16. No 'Deep-hole large diameter drilling and blasting' is carried out in the proposed quarry.
17. The PP shall carry out the blasting operation twice in a week such that the blasting frequency is limited to the extent for ensuring the control of blast-induced environmental impacts and adopt all necessary precautionary measures in accordance with the provisions of MMR 1961 during the time of blasting.
18. 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.
19. Since the quarry lies in a cluster situation, 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 while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.

20. 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.
21. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mata/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.
22. 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.
23. 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.
24. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
25. 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.
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


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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. 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.

29. As accepted by the Project proponent the CER cost is Rs. 5 Lakhs and the amount shall be spent for the Panchayat Union Middle School, Senkadu Mottur, Walajah (West), Ranipet as committed, before obtaining CTO from TNPCB.

Agenda No: 352-12

(File No: 7791/2021)

Proposed Rough stone quarry lease area over an extent of 1.00.0Ha SF.No.130/1 Pt Block -2, Pudunaduvalur Village, Perambalur Taluk, Perambalur District, Tamil Nadu by Thiru A.Kaliyaperumal - For Environmental Clearance. (SIA/TN/MIN/170772/2020 Dt.01.09.2020)

Earlier, this proposal was earlier, placed for appraisal in the 264th meeting of SEAC held on 19.4.2022. 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 A.Kaliyaperumal has applied for Environmental Clearance for the proposed Rough stone quarry lease area over an extent of 1.00.0Ha SF.No.130/1 Pt Block -2, Pudunaduvalur Village, Perambalur Taluk, Perambalur 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. As per the mining plan, the lease period is for 10 years. The production for 5 years not to exceed 221000m³ of Rough stone. The Annual peak production as per mining plan is 54000 m³ of rough stone (1st year) with ultimate depth - 60m (25m AGL+ 35m BGL).

1	Name of the Owner/Firm	: Thiru. A. Kaliyaperumal, S/o. Andimuthu, No.3/125, Ambethkar Street, Velur (Post), Perambalur Taluk, Perambalur District - 621 104.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone
3	S.F No. of the quarry site with area break-up	: 130/1 (Part) Block-2
4	Village in which situated	: Pudukaduvalur
5	Taluk in which situated	: Perambalur
6	District in which situated	: Perambalur
7	Extent of quarry (In ha.)	: 1.00.0 Ha
8	Period of quarrying proposed	: 5 Years
9	Type of mining	: Opencast Semi Mechanized Mining
10	Production (Quantity in m ³)	: 2.20.500 m ³ of Rough Stone
11	Latitude & Longitude of all corners of the quarry site	: 11°11'55.93"N to 11°16'58.34"N 78°49'18.02"E to 78°49'21.34"E
12	Topo Sheet No.	: 58-I/16
13	Man Power requirement per day:	: 32 Nos
14	Precise area communication approved by Assistant Director, Department of Geology and Mining with date	: Na.Ka.En. 136/2019/G&M dated:06.01.2020
15	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	: Rc.No.136/G&M/2019, dated:24.03.2020
16	Water requirement: 1. Drinking water & domestic purposes (in KLD) 2. Dust Suppression (in KLD) 3. Green Belt (in KLD)	: 2.44 KLD 1.44 KLD 0.50 KLD 0.50 KLD
17	Power requirement e. Domestic Purpose f. Industrial Purpose	: TNEB 1,76,800 Liters of HSD
18	Depth of quarrying	: 60m (25m AGL+ 35m BGL)
19	Depth of water table	: 65m-70m


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20	Whether any habitation within 300m distance	:	No
21	Project Cost (Including EMP cost)	:	Rs. 22894753 for 5 yrs
22	EMP cost	:	Capital Cost - Rs. 10,73,000/- Recurring Cost - Rs. 16,92,275/-
23	CER cost	:	Rs. 5,00,000/-
24	Assistant Director, mines 500m cluster letter	:	Rc.No.136/G&M/2019, dated:24.03.2020
25	VAO certificate regarding 300m radius cluster	:	Letter furnished

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 exact distance of the Velur RF located from the project site.

The proposal was again placed in this 306th SEAC meeting held on 25.08.2022. The project proponent was absent for the meeting. The PP has furnished the letter from DFO Dt. 20.1.2023 and stated that Velur RF located at a distance of 180m from the project site.

Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.I) 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 as under to reconsider the earlier decision based on the above G.O.

Based on the presentation and documents furnished by the project proponent, SEAC decided to revise the section XY-CD & XY-AB and recommend the proposal for the

grant of Environmental Clearance for total excavation quantity of 220500 m³ of Rough Stone not exceeding the annual peak production of 54000 m³ of Rough Stone with maintaining an ultimate pit depth of 50m (25 m AGL + 25m 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:

Rough stone Quantification for 5 years	2,21,000 m ³	2,10,750 m ³
Depth of mining	60m (25 m Above ground level and 35 m Below Ground Level)	50 m (25 m Above ground level and 25 m Below Ground Level)

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 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.
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.


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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) 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.
9. 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 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
10. 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.

11. 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.
12. Further, the PP shall construct the gulland 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. 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.
14. Due to cluster situations and the location of R.F at a distance of 180 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.
15. 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.
16. No 'Deep-hole large diameter drilling and blasting' is carried out in the proposed quarry.
17. The PP shall carry out the blasting operation twice in a week such that the blasting frequency is limited to the extent for ensuring the control of blast-induced environmental impacts and adopt all necessary precautionary measures in accordance with the provisions of MMR 1961 during the time of blasting.
18. 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


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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.

19. Since the quarry lies in a cluster situation, 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 while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
20. 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.
21. 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.
22. 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.
23. 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.
24. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
25. 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.

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. 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.

29. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Government High School, Vellur (as committed, before obtaining CTO from TNPCB.

Agenda No: 352 - 13


(File No: 7795/2022)

Proposed rough stone quarry lease area over an extent of 1.00.0 Ha at S.F. No. 1/4 (Part-38) Anandalai Village, Walajah Taluk, Ranipet District, Tamil Nadu by Thiru. T. Bharathi -For Environmental Clearance (SIA/TN/MIN/56160/2020 Dt. 07.02.2022)

The proposal was placed for appraisal in this 352nd meeting of SEAC held on 08.02.2023. 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. T. Bharathi has applied for the Environmental Clearance for proposed rough stone quarry lease area over an extent of 1.00.0 Ha at S.F. No. 1/4 (Part-38) Anandalai Village, Walajah Taluk, Ranipet District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item I (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

3. As per the mining plan, the lease period is for 10 years. The production for

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5 years not to exceed -479040 m³ of Rough stone and 10670 m³ of Top soil. The Annual peak production as per mining plan is 106700 m³ of Rough stone (5th year) & 10670 m³ of Top Soil (1st year) with ultimate depth of 71m

4. The PP was issued with ToR vide Lr No. SEIAA-TN/F.No.7795/SEAC/ToR-881/2020 Dt.16.03.2021 with restricting the depth of mining from 71 m to 61 m ultimate depth and quantity of 372140 m³ of Rough stone & 10670 m³ of Topsoil for five years with a bench height of 5m as per the approved mining plan considering the hydro geological regime of the surrounding area
5. Earlier the proposal was placed in 269th SEAC meeting held on 05.05.2022. Based on the presentation and documents 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 exact distance of the Bagavelli RE located from the project site.

1	Name of the Owner/Firm	:	Thiru.T.Bharathi No.1-109, West Street, Valaikurichi Udayarpalayam Ariyalur District - 612 904
2	Type of quarrying	:	Rough Stone and gravel
3	S.F No. Of the quarry site with area break-up	:	1/4(Part-38)
4	Village in which situated	:	Anandalai
5	Taluk in which situated	:	Walajah
6	District in which situated	:	Vellore
7	Extent of quarry (in ha.)	:	1.00.0 ha
8	Period of quarrying proposed	:	5 years
9	Type of mining	:	Opencast Mechanized Mining
10	Production (Quantity in m ³)	:	3,72,340 m ³ of Rough stone
11	Latitude & Longitude of all corners of the quarry site	:	12°55'53.50"N to 12°55'57.40"N 79°23'49.56"E to 79°23'54.22"E
12	Topo Sheet No.	:	57 P/05
13	Man Power requirement per day:	:	38Nos

14	Precise area communication approved by the District Collector with date	: Na.Ka. No. 334/2019 (Kanimam), dated: 26.11.2019
15	Mining Plan approved by the Assistant Director (I/c). of Geology and Mining with date	: Rc. No. 334/2019 (Mines), dated: 13.05.2020
16	Water requirement: 10. Drinking & domestic purposes 11. Dust suppression 12. Green Belt	: 3.0 KLD 1.0 KLD 1.2 KLD 0.8 KLD
17	Power requirement: c. Domestic Purpose d. Industrial purpose	TNEB 450 Liters of HSD / day
18	Depth of quarrying	: 61 m (1m Top Soil and 60 m Rough Stone)
19	Depth of water table	: 64m In rainy and 69 In summer seasons
20	Project Cost (excluding EMP cost)	: Rs. 1,88,07,100
21	EMP cost	: Capital Cost – Rs. 44,88,806 Recurring Cost – Rs. 20,97,584
22	CER cost	: 5,00,000
23	AD mines 500m cluster letter	: Rc. No. 334/2019(Mines), dated: 17.03.2020
24	VAO certificate regarding 300m radius cluster	: Letter dated 26.05.2020
25	Tor Issued Details	: Lr.No. SEIAA-TN / F.No/7795/SEAC/TOR-881/2020, Dated: 16.03.2021
26	Public Hearing Date	: 21.10.2021

Now, the proposal was placed in the 352nd SEAC meeting held on 08.02.2023. 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 61m AGL (1m – Top Soil & 60m – Rough Stone) and the production of 3,72,340 m³ of Rough stone. The annual peak production shall not exceed 74,950 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:


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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 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 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.
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) 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.

9. 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 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.
10. 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.
11. 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.
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. 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.


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14. Due to cluster situations and the location of R.F closely, 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.
15. 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.
16. No 'Deep-hole large diameter drilling and blasting' is carried out in the proposed quarry.
17. The PP shall carry out the blasting operation twice in a week such that the blasting frequency is limited to the extent for ensuring the control of blast-induced environmental impacts and adopt all necessary precautionary measures in accordance with the provisions of MMR 1961 during the time of blasting.
18. 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.
19. Since the quarry lies in a cluster situation, 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 while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
20. 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.
21. The PP shall ensure that the blasting operations are carried out by the Master/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.

22. 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.
23. 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.
24. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
25. 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.
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. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA, dt dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished


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29.As accepted by the Project proponent the CER cost is Rs. 5 Lakhs and the amount shall be spent for the GTRPS Palampatti, as committed, before obtaining CTO from TNPCB.

Agenda No: 352-14

(File No: 7796/2022)

Proposed Rough stone quarry lease area over an extent of 1.60.0Ha at S.F. No. 1/4 (Part-34) Anandalai Village, Walajah Taluk, Vellore District, Tamil Nadu by Thiru. R. Kuthalingam - For Environmental Clearance. (SIA/TN/MIN/56156/2020 dated.24.01.2022)

The proposal was placed in 352nd meeting of SEAC held on 08.02.2023. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. R. Kuthalingam has applied for Environmental Clearance for the Proposed Rough stone quarry lease area over an extent of 1.60.0Ha at S.F. No. 1/4 (Part-34) Anandalai Village, Walajah Taluk, Vellore District, Tamil Nadu.
2. The project/activity is covered under Category "BT" 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:

1	Name of the Owner/Firm	Thiru. R. Kuthalingam No.73, Sankara Vinayagar Koil Street, TN Pudukudi, Puliyankudi Thirunelveli district - 627855
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough Stone Quarry
3	S.F No. Of the quarry site	1/4 (part-34)
4	Village in which situated	Anandalai
5	Taluk in which situated	Walajah
6	District in which situated	Vellore
7	Extent of quarry (in ha.)	1.60 ha

8	Latitude & Longitude of all corners of the quarry site	12°55'59.67"N to 12°56'04.37"N 79°23'45.98"E to 79°23'52.06"E
9	Topo Sheet No.	57-P/05
10	Type of mining	Opencast Mechanized Mining
11	Period of quarrying proposed	5 years
12	Production (Quantity in m³)	4,06,099m³ of Rough Stone & 16,000m³ of Gravel as per ToR
13	Depth of Mining	36m below ground level
14	Depth of water table	64-69m BGL
15	Man Power requirement per day:	38 Nos
16	Water requirement: 5. Drinking & domestic purposes 6. Dust suppression 7. Green Belt	3.3 KLD 0.8 KLD 1.5 KLD 1.0 KLD
17	Power requirement	4,55,550 Liters of HSD for the entire project life
18	Precise area communication approved by the District Collector with date	Rc.No. 330/2019-Mines. Dated: 26.11.2019
19	Mining Plan approved by the Assistant Director(i/c), Dept. of Geology and Mining with date	Rc.No.330/2019- Mines, Dated: 13.05.2020
20	500m cluster letter issued by the Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.330/2019(mines) Dated: 17.03.2020
21	VAO certificate regarding habitations in 300m radius	Letter dated: 26.05.2020
22	Project Cost (excluding EMP)	Rs.2,76,59,200/-
23	EMP cost	Capital Cost: Rs.49,79,984/- Recurring Cost: Rs.22,18,057/-
24	ToR issued details	ToR issued vide Letter No. SEIAA-TN/F. No. 7796/SEAC/ToR-830/2020 Dated: 16.12.2020
25	Public hearing date	Conducted on 21.10.2021
26	EIA Report Received	EIA received on: 27.01.2022


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Based on the presentation and documents furnished by the project proponent, after detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 40,60,99m³ of Rough Stone & 16,000m³ Gravel with an ultimate depth of 36m below ground level with annual peak production of 1,15,000m³ of rough stone (2nd & 4th year), 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 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 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 DCMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
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) 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.
9. 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 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
10. 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.
11. 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.


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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. 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.
14. Due to cluster situations and the location of R.F closely, 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.
15. 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.
16. No 'Deep-hole large diameter drilling and blasting' is carried out in the proposed quarry.
17. The PP shall carry out the blasting operation twice in a week such that the blasting frequency is limited to the extent for ensuring the control of blast-induced environmental impacts and adopt all necessary precautionary measures in accordance with the provisions of MMR 1961 during the time of blasting.
18. 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.
19. Since the quarry lies in a cluster situation, 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 while

- considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
20. 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.
21. 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.
22. 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.
23. 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.
24. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
25. 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.
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&EC 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.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

29.As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the GTRPS Palampatti, for the following activities as committed, before obtaining CTO from TNPCB.

Agenda No: 352 - 15

(File No: 7835/2021)

Proposed Rough stone quarry lease area over an extent of 1.60.0Ha (Govt. Poramboke land) at S.F.No. 165 (Part-3) Sengadu Village, Walajah Taluk, Ranipet (formerly Vellore) District, Tamil Nadu by Thiru P.Aruldas, - For Environmental Clearance. (SIA/TN/MIN/170060/2020 Dt. 28.8.2020).

The proposal was placed for appraisal in this 352nd meeting of SEAC held on 08.02.2023. The details of the project furnished by the proponent are given in the website (partvesh.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. The salient features of the proposed project as follows:

1	Name of the Owner/Firm	: Thiru.P.Aruldas, S/o.Ponnusamy, No.180/4, Ambethkar Street Anna Nagar,Chengalpattu, Kolapakkam. Kancheepuram District - 600048
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough stone quarry
3	S.F No. of the quarry site with	: 165(Part-3) (Govt. Poramboke land)

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	area break-up	
4	Village in which situated	: Sengadu
5	Taluk in which situated	: Walajah
6	District in which situated	: Ranipet (formerly vellore)
7	Extent of quarry (in ha.)	: 1.60.0 Ha
8	Period of quarrying proposed	: 5 years
9	Type of mining	: Opencast mechanized mining
10	Production (Quantity in m ³)	: The production for 5 years not to exceed 4,27,594m ³ of Rough stone and 17,372 m ³ of Topsoil.
11	Annual peak Production (Quantity in m ³)	: 87,020 m ³ of Rough stone (5 th year) & 17,372 m ³ of Top Soil (1 st year).
12	Ultimate Depth of quarrying	: 41m ((21mAGL+20m BGL) (1m topsoil+40m Rough stone).
13	Depth of water table	: 69 m in Summer Season-64m in Rainy Season
14	Latitude & Longitude of all corners of the quarry site	: 12°56'33.20"N to 12°56'39.32"N 79°23'45.37"E to 79°23'52.18"E
15	Top Sheet No.	: 57P/05
16	Man Power requirement per day:	: 27 Employees
17	Preche area communication approved by the District Collector , G&M with date	: Na.Ka.No. 337/2019(Kanimam) dated 26.11.2019
18	Mining Plan approved by the Assistant Director(I/c) & Geology and Mining with date	: Rc.No.337/2019(Mines) dated 24.02.2020
19	AD mines 500m cluster letter Approved by Assistant Director (I/c)& G&M	: Rc.No.337/2019(Mines) dated 04.06.2020
20	VAO certificate regarding 300m radius cluster	: Letter dated 27.07.2020

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21	Water requirement: 13. Drinking & domestic purposes (in KLD) 14. Dust suppression(in KLD) 15. Greenbelt (in KLD)	: 3.5 KLD 0.9 KLD 2.2 KLD 0.4 KLD
22	Power requirement g. Domestic Purpose	TNEB 3,44,970 Liters of HSD
23	Project Cost	: Rs.2,68,57,400/-
24	EMP cost	: 3,80,000/-
25	CER cost	: Rs.5 Lakhs as accepted by the PP

2. Earlier, this proposal was placed for appraisal for obtaining EC in the 219th meeting of SEAC held on 13.07.2021. On initial discussions the SEAC noted, as per 500m AD mines letter the existing, expired, proposed quarries on totaling up is more than 5ha. hence the project proponent shall apply for ToR.
3. Again, this proposal was placed for appraisal for obtaining ToR in the 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
 - a. The project proponent shall furnish a letter from DFO indicating the details of nearest RF and its location from the project site.
 - b. Detailed clarification shall be provide regarding to consider this proposal as B2 category along with revised 500m radius Cluster letter from AD Geology & Mines.
4. Subsequently, this proposal was placed in the 509th Authority meeting held on 20.05.2022. The Authority after detailed discussion decided to obtain following additional particulars from the project proponent in addition to the above.
 1. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area from a reputed research institutions on the following
 - a). Soil health & bio-diversity.
 - b). Climate change leading to Droughts, Floods etc.

- c) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people.
 - d) Possibilities of water contamination and impact on aquatic ecosystem health.
 - e) Agriculture, Forestry & Traditional practices.
 - f) Hydrothermal/Geothermal effect due to distraction in the Environment.
 - g) Bio-geochemical processes and its foot prints including environmental stress.
 - h) Sediment geochemistry in the surface streams.
- II. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
 - III. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/unfavorable accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
 - IV. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
 - V. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
 - VI. Detailed Environment Management Plan including adaptation mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever is earlier.

Now, this proposal was placed for reappraisal in this 352nd meeting of SEAC held on 08.02.2023. The PP had submitted the following replies to all the points raised


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by the SEAC/SEIAA.

1.	The project proponent shall furnish a letter from DFO indicating the details of nearest RF and its location from the project site.	The nearest Reserve Forest is Bagaveli R.F - 1.08km (SE) (Data Source:TNGIS)
2.	Detailed clarification shall be provide regarding to consider this proposal as B2 category along with revised 500m radius Cluster letter from AD Geology & Mines.	<p>As per recommendation of the SEAC/SEIAA the proponent approached the office of Geology and Mining, Ranipet District and it was verbally reiterated that the office that the statement given in the Letter Rc.No.337/2019 (Mines) Dated: 04.06.2020 shall be valid and no fresh letter shall be issued.</p> <p>As per the 500m Letter there are two existing Quarries 0.80Ha + 0.80Ha = 1.60.0 Ha of total which shall be taken for cluster calculation.</p> <p>And Four Lease Period Expired Quarries which were all granted Quarry Lease before 9th September 2013 and therefore as per the EIA Notification S.O.2269(E) Dated: 01.07.2016 will not be taken for cluster calculation. Further, there are two proposed quarries 1.60.0Ha + 1.00.0Ha = 2.60.0Ha of Total which shall be taken for Cluster Calculation.</p> <p>Now, Total Existing (1.60.0Ha) + 1 Proposed (2.60.0Ha) = 4.20.0Ha Is Cluster Extent and falls under B2 Category of EIA Notification.</p>

The Committee carefully examined the points raised by the SEAC/SEIAA and the replies given by the PP. 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 4,27,594m³ of Rough stone and 17,372 m³ of Topsoil for the period of five years but however not exceeding an annual peak production capacity - 87,020 m³ of Rough stone (5th year) & 17,372 m³ of Top Soil (1st year) with an ultimate depth of 41m ((21m AGL+20m BGL) (1m topsoil+40m Rough stone), 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 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 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.


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6. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the permission granted by the Regional Inspector of Mines (Director of Mines Safety) under the provisions of MMR 1991.
7. 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.
8. 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.
9. 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 Controlled Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the 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 – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DCM and DMS, Chennai as a part of Environmental Compliance.
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.


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12. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the existing benches properly aligned for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
13. 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 35 m (or) after the completion of 3 years of operation whichever is earlier, by involving any of these reputed Research and Academic Institutions - 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. 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.
14. 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.
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 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 lakhs and the amount shall be spent for the GTRPS Balaprayampattu, Tiruvannamalai District as committed, before obtaining CTO from TNPCB.

Agenda No: 352-16

(File No. 7841/2020)

Proposed Black Granite quarry over an extent of 1.01.0 Ha at S.F. No. 528/1B1(P), 1B2(P), 2(P), 532/1B(P), 1C(P), 1D(P) and 532/1A2(P), Puligunda Village, Bargur Taluk (Formerly Krishnagiri Taluk), Krishnagiri District, Tamil Nadu by TVL Bannari Amman Sugars Limited - for Environmental Clearance. (SIA/TN/MIN/171278/2020 Dt:04.09.2020).

The proposal was again placed in 336th SEAC meeting held on 07.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, TVL Bannari Amman Sugars Limited has applied for Environmental Clearance proposed Black Granite quarry over an extent of 1.01.0 Ha at S.F. No. 528/1B1(P), 1B2(P), 2(P), 532/1B(P), 1C(P), 1D(P) and 532/1A2(P), Puligunda Village, Bargur Taluk (Formerly Krishnagiri Taluk), Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The validity of mining lease is 20 years. The mining plan is for the period of 5 years & the production should not exceed ROM - 92484m³, 18497m³ of Black Granite (Recovery 20%), 73987 m³ of Granite Waste (Reject 80%), & 750 m³ of Weathered rock & 250 m³ of Top soil. The annual peak production shall not exceed 3786 Cu.m of Black Granite (1st Year). The ultimate depth - 56m BGL.

Based on the presentation made and documents furnished by the project proponent, the SEAC decided to defer and to call for additional particulars as follow:


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1. As per AD, Dept. of Geology and Mining, Krishnagiri District 500m radius Ir.RoC.84/2020/Mines Dated: 27.02.2020 reveals that the cluster area including the proposed mining area exceeds 5 Ha and falls under B1 Category as EIA Notification , 2006. Hence, the PP shall furnish clarification to consider this proposal under B2 category.
2. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
3. Certified compliance report obtained from IRO, Chennai/MoEF & CC (or) the Concerned DEE/TNPCB for EC dt: 08.02.2016.
4. Copy of valid approval letter & review of first & Second scheme of Mining Plan obtained from the Dept. of Geology and Mining.

Subsequently, proposal was placed in the 581st Authority meeting held on 22.12.2023. The authority noted that this proposal was placed for appraisal in this 336th meeting of SEAC held on 07.12.2022 and the SEAC decided to defer and to call for additional particulars as follows

5. As per AD, Dept. of Geology and Mining, Krishnagiri District 500m radius Ir.RoC.84/2020/Mines Dated: 27.02.2020 reveals that the cluster area including the proposed mining area exceeds 5 Ha and falls under B1 Category as EIA Notification , 2006. Hence, the PP shall furnish clarification to consider this proposal under B2 category.
6. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
7. Certified compliance report obtained from IRO, Chennai/MoEF & CC (or) the Concerned DEE/TNPCB for EC dt: 08.02.2016.
8. Copy of valid approval letter & review of first & Second scheme of Mining Plan obtained from the Dept. of Geology and Mining.

In view of the above, the Authority after detailed discussion decided to call for the following additional particulars from the project proponent in addition to the said additional particulars sought by the SEAC as follows

1. G.O. letter indicating the extension of Mining lease under the Minerals (Other


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than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 obtained from the Competent Authority, State Dept of Geology and Mining, Govt of Tamil Nadu.

2. Details of type of vegetations including no. of trees & shrubs within the proposed mining area and, if so, transplantation of such vegetations all along the boundary of the proposed mining area shall committed mentioned in EMP.
3. Detailed study on loss to biodiversity, soil erosion, GHG, Co2 emission, Agriculture, Water table, Surface & underground drainage pattern due precipitation/rainfall& Temp. raise and its remediation/mitigation strategies shall be committed in EMP.

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(a) 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 352nd SEAC meeting Dt: 08.02.2023. During the SEAC 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.


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- As accepted by the Project Proponent the CER cost is Rs.8 lakhs and the amount shall be spent on the committed activities such as i) Construction of Auditorium and 4 Class Rooms to Thogarapalli Government Higher Secondary School, Krishnagiri before obtaining CTO from TNPCB.

Agenda No: 352 - 17

(File No: 7844/2020)

Existing Black Granite quarry over an extent of 3.68.5 Ha in S.F.No. 781(Part), 744(Part), 526/2A, 526/2B, 526/3A, 526/3B, 529/2(Part), 529/3(Part), 529/4(Part), 531/1(Part), 531/2(Part) and 531/3(P) at Puligunda Village, Bargur (Formerly Krishnagiri) Taluk, Krishnagiri District, Tamil Nadu by TVL Bannari Amman Sugars Limited - For Environmental Clearance. (SIA/TN/MIN/171168/2020, dated: 03.09.2020)

The SEAC noted the following:

- The project proponent, TVL Bannari Amman Sugars Limited has applied for Environmental Clearance for the Existing Black Granite quarry over an extent of 3.68.5 Ha at S.F.No. 781(Part), 744(Part), 526/2A, 526/2B, 526/3A, 526/3B, 529/2(Part), 529/3(Part), 529/4(Part), 531/1(Part), 531/2(Part) and 531/3(P), Puligunda Village, Bargur (Formerly Krishnagiri) Taluk, Krishnagiri District, Tamil Nadu.
- The project/activity is covered under Category "B2" of Item I(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
- Earlier the proposal was placed in 265th SEAC meeting held on 21.04.2022. Based on the presentation made by the proponent and the documents furnished, SEAC decided that the project proponent shall furnish documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest Pulikonda R.F from the proposed quarry site.

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

- Subsequently, the proposal was placed in the 510th Authority meeting held on 23.05.2022. In view of the above, the Authority after detailed discussion decided to refer back the proposal to SEAC after the receipt of following additional particulars from the project proponent with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.


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- i. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area from reputed research institutions on the following
 - a) Soil health & bio-diversity.
 - b) Climate change leading to Droughts, Floods etc.
 - c) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people.
 - d) Possibilities of water contamination and impact on aquatic ecosystem health.
 - e) Agriculture, Forestry & Traditional practices.
 - f) Hydrothermal/Geothermal effect due to destruction in the Environment.
 - g) Bio-geochemical processes and its foot prints including environmental stress.
 - h) Sediment geochemistry in the surface streams.
- ii. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
- iii. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untooward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
- iv. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
- v. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.

- vi. Detailed Environment Management Plan including adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever is earlier.

Now, the proposal was again placed in the 352nd SEAC meeting held on 08.02.2023. SEAC have satisfied with the reply furnished by the PP to the queries raised by the Authority.

EC obtained Date	08.02.2016
Lease Deed Registered Date: 11.12.2016	Validity of EC – 07.02.2021
Validity of Extension of EC	S.O. 221 (E) Dated: 18.01.2021 Validity of EC – 07.02.2022
Proponent applied for extension of validity of Environmental Clearance – Form – 6	21.06.2021 (Proposal No.SIA/TN/MIN/216113/2021)

The SEAC had observed that all the clauses and conditions required for the normal EC extension has been furnished during presentation and the project is fit for extension up to the lease period.

The SEAC also 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 (i) states that...

"The validity of the Environmental Clearance, which had not expired as on the dated 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. 2 Lakh and the amount shall be spent towards Re-Construction of Toilets for Girls and Maintenance for Thogarapalli Government Higher Secondary School.


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Krishnagiri, for the committed activities before obtaining CTO from TNPCB.

Agenda No: 352-18

(File No: 7922/2020)

Proposed earth quarry lease over an extent of 3.56.5 Ha at S.F. Nos.412/13, 417/2, 419/5 & 419/7 of Pottipuram village, Uthamapalayam Taluk, Theni District, Tamil Nadu by Thiru. K. Palanisamy - For Environmental Clearance. (SIA/TN/MIN/42610/2019 dated 11.09.2019)

The proposal was placed for appraisal in this 352nd meeting of SEAC held on 08.02.2023. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. K. Palanisamy has applied for Environmental Clearance for the proposed earth quarry lease over an extent of 3.56.5 Ha at S.F. Nos.412/13, 417/2, 419/5 & 419/7 of Pottipuram village, Uthamapalayam Taluk, Theni District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Project" of the Schedule to the EIA Notification, 2006.
3. The soil test report submitted by the proponent obtained from Anna University, Dindigul indicates the total % of sand in the soil mixture to be 48.9%.
4. From the KML file, it is noted that an Odai (water body) is situated at a distance of 330 m from the proposed site.
5. Acting on 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, the Director of Geology and mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:
 - i) No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
 - ii) No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
 - iii) No permission shall be granted for quarrying Gravel, Earth, etc.. in patta land for a period less than one year.

- lv) Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

In the present case, the Committee, therefore decided not to recommend the proposal for grant of Environmental Clearance since the current proposal is covered under points (i) & (ii) of letter No. 7240/MM6/2019 Dt. 30.7.2021 of Director of Geology and mining, Govt of Tamil Nadu, as mentioned above.

Agenda No: 352-19

(File No: 8018/2020)

Proposed Rough Stone & Gravel quarry lease area over an extent of 2.09.0Ha at S.F.Nos. 248/2 & 249/1B, Naganur Village, Kulithalai Taluk, Karur District, Tamil Nadu by Thiru.N.Premnath - For Environmental Clearance. (SIA/TN/MIN/182664/2020, dated: 09.11.2020)

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

The SEAC noted the following:

1. The project proponent, Thiru.N.Premnath has applied seeking Environmental Clearance for the proposed Rough Stone & Gravel quarry lease area over an extent of 2.09.0Ha at S.F.Nos. 248/2 & 249/1B, Naganur Village, Kulithalai Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006, as recommended.

1.	Name of the Owner/Firm	Thiru.N.Premnath Lakshmi Nagar, Kaliyappanur West Kaliyappanur Karur District - 639 007
2.	Type of quarrying (Savudu/Rough Stone/Sand/Cranite)	Rough Stone & Gravel
3.	S.F No. Of the quarry site with area break-up	248/2
4.	Village in which situated	Naganur


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5.	Taluk in which situated	Kullihalai
6.	District in which situated	Karur
7.	Extent of quarry (in ha.)	1.63.5Ha
8.	Period of quarrying proposed	5 years
9.	Type of mining	Opencast semi Mechanized Mining
10.	Production (Quantity in m ³)	As per the approved mining plan, Geological reserves: 11,22,030 m ³ of Rough stone, 11,332 m ³ of Gravel for the Ultimate depth of 67 m BGL. 5-year Production: 1,28,355 cu.m of Rough Stone & 14,080 cu.m of Gravel. (Restricted) The annual peak production as per mining plan is 29,645m ³ of Rough stone (3 rd year).
11.	Latitude & Longitude of all corners of the quarry site	10°43'40.70" N to 10°43'44.29"N 78°21'54.69" E to 78°22'08.60"E
12.	Top Sheet No.	58 J/06
13.	Man Power requirement per day:	32Nos.
14.	Precise area communication approved by the Deputy Director, with date	Na.Ka.No.605/Kanimam/2019 dated: 31.08.2020
15.	Mining Plan approved by the Deputy Director with date	Rc.No.605/2018/Mines dated: 09.10.2020
16.	500m letter	Rc.No.605/Mines/2018 dated: 09.10.2020
17.	Water requirement: 5. Drinking & domestic purposes (in kLD) 6. Dust suppression & Green Belt (in kLD)	2.44KLD 1.44KLD 0.5kLD & 0.5kLD
18.	Power requirement h. Domestic Purpose i. Industrial Purpose	TANGEDCO 125584 ltr of HSD
19.	Depth of quarrying	32m (Restricted)
20.	Depth of water table	70m - 75m
21.	Whether any habitation within 300m distance	No as per VAO letter
22.	Project Cost (excluding EMP cost)	Rs. 62.88 Lakh
23.	Total EMP cost for 5 years	1,08,42,800
24.	CER cost	Rs.5 Lakh

25.	VAO letter dated	VAO letter dated: 14.10.2020
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SEAC noted that this proposal was appraised in the 222nd meeting of SEAC held on 27.07.2021 by the then SEAC and the Committee has furnished its recommendations to the Authority for Granting Environmental Clearance to the project subject to the conditions stated therein.

Subsequently the subject was placed in the 461st meeting of SEIAA-TN held on 15.09.2021. The Authority decided to request the Member Secretary, SEIAA to send the online application to project proponent to furnish the revised Form 1 and resubmit online with details requested by SEAC. The proponent shall also to be requested to furnish undertaking affidavit to drop proposed mining activity in S.F.No.249/IB as committed. On receipt of the above details the proposal shall be placed in the ensuing meeting of the Authority along with copy of acknowledgement & reply if any received from the proponent.

The proponent furnished the details sought vide letter dated 28.06.2022 and the subject was placed in the 540th meeting of SEIAA TN held on 18.08.2022. After detailed discussions the Authority decided to refer back the proposal to SEAC TN to obtain the committee's recommendations on the additional particulars furnished by the proponent.

Hence the proposal was placed in the 315th meeting of SEAC held on 29.09.2021. The project proponent was absent for the meeting. SEAC decided to defer the subject to a later date directing the project proponent to furnish the reason for not attending the meeting.

Now the proposal was placed for appraisal in this 352nd meeting of SEAC held on 08.02.2023. 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 production quantity of 1,28,355 cu.m of Rough Stone & 14,080 cu.m of Gravel to the depth of 32m in a period of 5 years and not exceeding annual peak production of 29,645 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:


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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, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The Project Proponent (PP) shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region before obtaining the CTO and get the necessary statutory permission under the MMR 1961 pertaining to the quarry working operations.
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 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.
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. However, the Project Proponent shall carry out the scientific studies to assess the slope stability of the benches of the proposed quarry (or) the benches made in all the quarries of this cluster site collectively if amalgamation is done and when the depth of the working touches 30 m (or) during the 3rd year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT-Dept of Mining Engineering, Surathkal, Anna University Chennai-CEG Campus, 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.
7. As the R.F is located at a distance of 180 m, within six months 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 quarry on the surrounding R.F and the prominent structures within 500 m from the mine lease such as blast-induced ground/air vibrations and fly rock', by involving a 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. Due to the existence of the R.F. closely, the PP shall develop the Green belt activities (tree plantations) in the safety zone as stipulated in the Mining Plan around the periphery of the proposed quarry lease before obtaining the CTO from the TNPCB.
9. As the R.F. is located closely, 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.
10. 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.
11. 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.
12. 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.
13. 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.


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14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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: 352-20

(File No. 8037/2021)

Proposed rough stone & Gravel quarry lease area over an extent of 3.75.0 Ha at S.F. No. 170 (Part - 3) Chennampatti Village, Anthiyur Taluk, Erode District, Tamil Nadu by Thiru.S.Gokul Santhosh -For Environmental Clearance amendment (SIA/TN/MIN/413195/2023, dt.04.01.2023)

The proposal was placed for appraisal in the 352nd SEAC meeting held on 08.02.2023. 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/activity is covered under Category "B1" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
2. ToR was issued vide Lr No. SEIAA-TN/F.No.8037/SEAC/ToR- 857/2020

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Dated: 25.2.2021.

3. The minutes of Public Hearing held on 28.12.2021.
4. Earlier, the proposal vide online STA/TN/MIN/57826/2020 Dt: 25.02.2022 was placed in the 269th meeting of SEAC held on 5.5.2022 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 514th Authority meeting held on 31.05.2022 and authority accepted the decision of SEAC and rejected the said online proposal.
5. As per G.O. (Ms.) No. 243 industries, Investment promotion and Commerce (MMC.1) Department dated 14.12.2022. Again, the project proponent, Thiru. S.Gokul Santhosh has submitted EIA report Dt: 01.01.2023 for proposed rough stone quarry lease area over an extent of 3.75.0 Ha at S.F. No. 170 (Part - 3) Chennampatti Village, Anthiyur Taluk, Erode District, Tamil Nadu.
6. As per the precise area communication, the lease period is 5 Years. As per mine plan, the production for 5 years shall not to exceed - 605220 m³ of Rough stone and 18335 m³ of Gravel. The Annual peak production shall not exceed 123665 m³ of Rough stone (1st Year) & 11305 m³ of Gravel (2nd Year) with ultimate depth of mining is 61m (29 AGL & 32m BGL).

1	Name of the Owner/Firm	: Thiru.S.Gokul Santhosh Door No.365/3, Boothapadi (Post) Anthiyur Erode District - 638311
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone
3	S.F No. Of the quarry site with area break-up	: 170 (Part-3)
4	Village in which situated	: Chennampatti Village
5	Taluk in which situated	: Anthiyur
6	District in which situated	: Erode


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7	Extent of quarry (in ha.)	: 3.75.0 Ha
8	Period of quarrying proposed	: 5 years
9	Type of mining	Opencast mechanized Mining
10	Production (Quantity in m ³)	: 605220 m ³ of Rough stone and 18335 m ³ of Gravel
11	Latitude & Longitude of all corners of the quarry site	: 11°41'43.26"N 11°41'50.43"N 77°41'13.48"E 77°41'22.96"E
12	Top Sheet No.	: 58- E/10
13	Man Power requirement per day:	37 Nos.
14	Precise area communication approved by the District Collector with date	: Na.Ka.No.911/ Kanimam/2019 dated: 21.11.2019
15	Mining Plan approved by the Deputy Director of Geology and Mining with date	: Na.Ka.No.911/ Kanimam/2019 dated: 15.06.2020
	AD mines 500m cluster letter	Rc.No.911/2019/Mines, dated 07.10.2020
	VAC certificate regarding 300m radius cluster	Letter dated :17.07.2020
16	Water requirement: 16. Drinking & domestic purposes (in KLD) 17. Dust suppression & Green Belt (in KLD)	: 5.39 KLD 1.37 KLD 3.60 KLD & 0.42 KLD
17	Power requirement: e. Domestic Purpose f. Industrial Purpose	TNEB 487226 Litres HSD
18	Depth of quarrying	: 61m (29 AGl & 32m BCL)
19	Depth of water table	: 64-69m
20	Whether any habitation within 300m distance	: No
21	Project Cost (excluding EMP cost)	: 100.04 Lakhs
22	EMP cost	: EMP Cost - Rs. 2.28 Crores /5Years including capital & recurring cost with 5% inflation cost anticipated every year.
23	CER cost	: 5 Lakhs

The proposal was placed for appraisal in the 269th SEAC meeting held on 05.05.2022. Based on the presentation and documents furnished by the project

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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 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. The proposal was placed in the 514th Authority meeting held on 31.05.2022 and the Authority decided to communicate the SEAC minutes to the project proponent held on 05.05.2022.

Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.I) 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 again placed in the 352nd SEAC meeting Dt: 08.02.2023. 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 period of 5 Years and the ultimate depth of mining upto 61m (29 AGL & 32m BGL) and the production of 605220 m³ of Rough stone and 18335 m³ of Gravel. The annual peak production shall not exceed 123665 m³ of Rough stone & 11305 m³ of Gravel 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 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 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.
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) 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.

9. 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 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
10. 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.
11. 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.
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. As a protective measure to the existing Palamalai R.F, 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.


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14. Due to cluster situations and the location of Palamalai R.F at a distance of 1 km, 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.
15. 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 & Palamalai R.F.
16. No 'Deep-hole large diameter drilling and blasting' is carried out in the proposed quarry.
17. The PP shall carry out the blasting operation twice in a week such that the blasting frequency is limited to the extent for ensuring the control of blast-induced environmental impacts and adopt all necessary precautionary measures in accordance with the provisions of MMR 1961 during the time of blasting.
18. 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.
19. Since the quarry lies in a cluster situation, 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 while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
20. 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.
21. 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.

22. 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.
23. 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.
24. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
25. 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.
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. 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.


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29.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, Chennampatti Village as committed, before obtaining CTO from TNPCB.

**Agenda No: 352-21
(File No: 8044/2022)**

**Proposed rough stone quarry lease area over an extent of 4.63.5 Ha at S.F. No. 170 (Part - 2) Chennampatti Village, Anthiyur Taluk, Erode District, Tamil Nadu by Thiru K.S. Selvaraj -For Environmental Clearance.
(SIA/TN/MIN/413341/2023Dt. 05.01.2023)**

The proposal was placed for appraisal in the 352nd SEAC meeting held on 08.02.2023. 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/activity is covered under Category "B1" of Item I (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification,2006.
2. ToR was issued vide Lt. No. SEIAA-TN/F. No. 8044/SEAC/ToR-850/2020 dated 17.02.2021.
3. The minutes of Public Hearing held on 28.12.2021.
4. Earlier, the proposal vide online SIA/TN/MIN/57827/2020 Dt: 25.02.2022 was placed in the 269th meeting of SEAC held on 5.5.2022 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 514th Authority meeting held on 31.05.2022 and authority accepted the decision of SEAC and rejected the said online proposal.
5. As per G.O. (Ms.) No. 243 industries, Investment promotion and Commerce (MMC.I) Department dated 14.12.2022. Again, the project proponent, Thiru. K.S. Selvaraj has submitted EIA report Dt: 11.01.2023 for proposed rough stone quarry lease area over an extent of 4.63.5 Ha at S.F. No. 170 (Part-- 2) Chennampatti Village, Anthiyur Taluk, Erode District, Tamil Nadu.

6. As per the precise area communication, the lease period is 5 Years. As per mining plan, the production for 5 years shall not to exceed - 841215 m³ of rough stone and 26420 m³ of top soil. The Annual peak production shall not exceed is 182825 m³ of Rough stone (3rd Year) with ultimate depth of mining is 51m (45 AGL & 6m BGL).

1	Name of the Owner/Firm	:	Thiru.K.S.Selvaraj Door No.365/3, Lakshmipuram, Kuruwai Main Road Boothapadi (Post) Anthiyur Taluk Erode District - 638311
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough Stone
3	S.F No. Of the quarry site with area break-up	:	170(Part-2)
4	Village in which situated	:	Chennampatti
5	Taluk in which situated	:	Anthiyur
6	District in which situated	:	Erode
7	Extent of quarry (in ha.)	:	4.63.5ha
8	Latitude & Longitude of all corners of the quarry site	:	11°41'47.54"N 11°41'55.84"N 77°41'15.25"E 77°41'24.69"E
9	Topo Sheet No.	:	58- E/10
10	Type of mining	:	Opencast Mechanized of Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	841215 m ³ of rough stone and 26420 m ³ of top soil.
13	Depth of quarrying	:	51m (45 AGL & 6m BGL).
14	Depth of water table	:	64m - 69m
15	Man Power requirement per day:	:	43Nos.
16	Source of Water Requirement	:	Water Vendors
17	Water requirement: 7. Drinking & domestic purposes (in KLD)	:	6.98 KLD 1.51 KLD 4.95 KLD

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	18. Dust suppression, Green Belt & Wet Drilling (in KLD)		0.5 KLD
18	Power requirement j. Domestic Purpose Industrial Purpose		TNEB 677360 Litres HSD
19	Whether any habitation within 300m distance	:	No
20	Precise area communication approved by the District Collector with date	:	Rc.No.910/2019/Mines, dated 21.11.2019
21	Mining Plan approved by the Deputy Director of Geology and Mining with date	:	Rc.No.910/2019/Mines, dated 15.06.2020
22	AD mines 500m cluster letter		Rc.No.910/2019/Mines, dated 07.10.2020
23	VAO certificate regarding 300m radius cluster		Letter dated :17.02.2020
24	Project Cost (excluding EMP cost)	:	130.75 Lakhs
25	EMP cost	:	EMP Cost – Rs. 2.85 Crores /5 Years including capital & recurring cost with 5% inflation cost anticipated every year.
26	CER cost		5 Lakhs

The proposal was placed for appraisal in the 269th SEAC meeting held on 05.05.2022. 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 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. The proposal was

placed in the 514th Authority meeting held on 31.05.2022, and the Authority decided to communicate the SEAC minutes to the project proponent held on 05.05.2022.

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/reapplied the proposal to reconsider the earlier decision based on the above G.O. In view of the above, the proposal was again placed in the 352nd SEAC meeting Dt: 08.02.2023. 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 period of 5 Years and the ultimate depth of mining upto 51m (45 AGL & 6m BGL) and the production of 841215 m³ of Rough stone. The Annual peak production shall not exceed 182825 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 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 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.


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11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.

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) 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.
9. 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 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-DCM and DMS, Chennai as a part of Environmental Compliance without any deviation

10. 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.
11. 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.
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. As a protective measure to the existing Palamalai R.F, 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.
14. Due to cluster situations and the location of Palamalai R.F at a distance of 1 km, 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.
15. 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 & Palamalai R.F.
16. No 'Deep-hole large diameter drilling and blasting' is carried out in the proposed quarry.
17. The PP shall carry out the blasting operation twice in a week such that the blasting frequency is limited to the extent for ensuring the control of blast-


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induced environmental impacts and adopt all necessary precautionary measures in accordance with the provisions of MMR 1961 during the time of blasting.

18. 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.
19. Since the quarry lies in a cluster situation, 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 while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
20. 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.
21. 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.
22. 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.
23. 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.
24. The PP shall meticulously carry out the mitigation measures such as water sprinkling and green belt development activities as spelt out in the revised EMP.

25. 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.
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. 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.
29. 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, Chennampatti Village as committed, before obtaining CTO from TNPCB.

Agenda No: 352-22

(File No: 8106/2020)

Proposed Rough stone quarry lease over an extent of 5.00.0 Ha at S.F. No. 170 (Part - 1) of Chennampatti Village, Anthiyur Taluk, Erodu District, Tamil Nadu by Thiru. S.Selvakumar – For Environmental Clearance, (SIA/TN/MIN/413792/2020)

Earlier, this proposal was placed in this 299th Meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are available in the website (www.partivesh.nic.in).


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The SEAC noted the following:

1. The Project Proponent, Thiru. S.Selvakumar has applied for Environmental Clearance for the Proposed Rough stone quarry lease over an extent of 5.00.0 Ha at S.F. No. 170 (Part -I) of Chennampatti Village, Anthiyur Taluk, Erodu District, Tamil.
2. The project/activity is covered under Category "B1" of Item I(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR was issued with public hearing by SEIAA-TN vide Lr.No.SEIAA-TN/F.No.8106/SEAC/TOR-852/2020 dated 18.02.2021.
4. Public hearing was conducted on 12.12.2021.

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 Kannamoochi Reserve Forest is located at a distance of 900 m 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 above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.I) 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".

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


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Environmental Clearance. Now the proposal was placed in the 352nd Meeting of SEAC held on 08.02.2023. The SEAC noted the following.

File No	8106	8106
Online Proposal No for EC	(SIA/TN/MIN/ 58884/2020 dated 22.05.2022	SIA/TN/MIN/413792/2023 Dated 9.01.2023

1	Name of the Owner/Firm	:	Thiru. S. Selvakumar, S/o. Sreerangan, No.1/182, Rana Nagar, Kuruppanayakkanpalayam, Bhavani, Erode District – 638 301.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough Stone
3	S.F No. of the quarry site with area break-up	:	170 (Part-1)
4	Village in which situated	:	Chennampatti
5	Taluk in which situated	:	Anthiyur
6	District in which situated	:	Erode
7	Extent of quarry (in ha.)	:	5.00.0 Ha
8	Period of quarrying proposed	:	5 Years
9	Type of mining	:	Opencast Mechanized Mining
10	Production (Quantity in m ³)	:	6,71,310 m ³ of Rough Stone
11	Latitude & Longitude of all corners of the quarry site	:	11°41'53.82"N to 11°42'03.11"N 77°41'17.55"E to 77°41'27.54"E
12	Topo Sheet No.	:	58-E/10
13	Man Power requirement per day:	:	46 Nos
14	Precise area communication approved by District Collector with date	:	Na.Ka.En.909/Kanimam/2019, dated:21.11.2019
15	Mining Plan approved by Deputy Director, Department of Geology and Mining with date	:	R.c. No.909/Mines/2019, dated:04.11.2020
16	Water requirement: 4. Drinking water & domestic purposes (in KLD)	:	3.8 KLD 1.0 KLD


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	5. Dust Suppression (in KLD)	1.5 KLD
	6. Green Belt (in KLD)	1.3 KLD
17	Power requirement k. Domestic Purpose l. Industrial Purpose	TNEB 500 Liters of HSD / day
18	Depth of quarrying	25m AGL
19	Depth of water table	69m-64m bgl
20	Whether any habitation within 300m distance	No
21	Project Cost (including EMP cost)	Rs. 1,41,36,200/-
22	EMP cost	Capital Cost – Rs. 81,96,729/- Recurring Cost – Rs. 31,05,656/- Rs.2,54,35,769/ 5 yrs
23	CER cost	Rs. 5,00,000/-
24	Assistant Director, mines 500m cluster letter	R.c. No.909/Mines/2019, dated:04.11.2020
25	VAO certificate regarding 300m radius cluster	Letter furnished

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 671310 m³ of Rough Stone not exceeding the annual peak production of 235275 m³ of Rough Stone with maintaining an ultimate pit depth of 25 m AGL, 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,

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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 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 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) 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.


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9. 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 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.
10. 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.
11. 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.
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. As a protective measure to the existing Palamalai R.F, 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.
14. Due to cluster situations and the location of R.F closely, 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.
15. 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 & Palamalai R.F.

16. No 'Deep-hole large diameter drilling and blasting' is carried out in the proposed quarry.
17. The PP shall carry out the blasting operation twice in a week such that the blasting frequency is limited to the extent for ensuring the control of blast-induced environmental impacts and adopt all necessary precautionary measures in accordance with the provisions of MMR 1961 during the time of blasting.
18. 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.
19. Since the quarry lies in a cluster situation, 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 while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
20. 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.
21. 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.
22. 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.
23. 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


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- situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.
24. The PP shall meticulously carry out the mitigation measures as spell out in the revised EMP.
25. 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.
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. 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.
29. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Government Hr Sec School, Chennampatti. (as committed, before obtaining CTO from TNPCB).

AGENDA No: 352-23

(File No: 8144/2022)

Proposed of Rough Stone Quarry lease over an extent of 1.00.0Ha in S.F.Nos.1/4 (Part-39) of Anandalai-Village, Walajah Taluk, Vellore District, Tamil Nadu M/s M/s.Blue


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Rock Crusher Managing Partner Thiru.M.Ilango Murugan – For Environmental Clearance. (SIA/TN/MIN/ 410890 /2022, dated 15.12.2022)

The proposal was placed in the 352nd meeting of SEAC held on 08.02.2023. 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, M/s. M/s.Blue Rock Crusher Managing Partner Thiru.M.Ilango Murugan has applied seeking Environmental Clearance for the Proposed of Rough Stone Quarry lease over an extent of 1.00.0Ha in S.F.Nos.1/4 (Part-39) of Anandalai Village, Walajah Taluk, Vellore 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, as amended.
3. Restricting the maximum depth of mining from 81m to 61m considering the environmental impacts due to the mining, safety of the working personnel and following the principle of the sustainable mining and consequently the maximum minable quantities of 312175cu.m of Rough stone & 11332cu.m of Gravel are permitted for mining over five years as per ToR.
4. ToR issued along with Public Hearing vide T.O Lr No.SEIAA-TN/F.No.8144/SEAC/ToR-927/2020 Dated: 16.04.2021
5. Public Hearing minutes dated: 21.10.2021
6. EIA report submitted on 19.12.2022.

1.	Name of the Owner / Firm	M/s.Blue Rock Crusher Managing Partner Thiru.M.Ilango Murugan, S/o.Murugan No.1/143N, Palavannapalli Village Venkatesapuram Post, Hoşur Taluk
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		Krishnagiri District
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough Stone
3.	S.F No. of the quarry site	1/4 (Part-39) -Government land
4.	Village	Anandalai
5.	Taluk	Walajah
6.	District	Ranipet
7.	Extent of Quarry (in ha.)	1.00.0Ha
8.	Period of Quarrying proposed	5 years
9.	Type of Mining	Opencast Mechanized of Mining
10.	Production (Quantity in m ³)	As per the approved mining plan. Geological reserves: 708795 m ³ of Rough stone, 11332 m ³ of Topsoil to the ultimate depth of 96 m. 5-year Production: 3,12,175 m ³ of Rough stone The annual peak production as per mining plan is 1,16,705m ³ of Rough stone (2 nd year).
11.	Proposed Depth of Mining	Restricting the maximum depth of mining from 81m to 61m
12.	Latitude & Longitude of all corners of the quarry site	12°56'16.92" N to 12°56'22.81"N 79°23'48.32"E to 79°23'53.40"E
13.	Topo sheet No.	57- P/05
14.	Man power requirement	27Nos.
15.	Precise Area Communication	Na. Ka. No. 335/2019(Kanimam), dated: 26.11.2019
16.	Mining plan approval letter	Rc. No. 335/2019(Mines), dated: 09.07.2020
17.	500m letter	Rc. No. 335/2020(Mines).

		dated: 27.11.2020.
18.	Water requirement:	3.0 KLD
	1. Drinking & domestic purposed (In KLD)	0.8 KLD
	2. Dust Suppression (In KLD) & Green Belt (In KLD)	1.5 KLD 0.7 KLD
19.	Power requirement:	
	a. Domestic purpose	TNEB
	b. Industrial Purpose	4,06,018 Litre of HSD
20.	Depth of Water table	69m-64m
21.	Whether any habitation within 300m distance	No as per VAO letter
22.	Project cost (Excluding EMP cost)	190.17 Lakhs
23.	EMP cost	Capital cost - Rs. 41,74,833/- Recurring cost/Annum - Rs. 19,33,405/-
24.	CER cost	Rs. 5,00,000/-
25.	VAO letter dated	Letter dated 27.05.2020

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 production quantity of 3,12,175 m³ of Rough stone to the depth of 61m in a period of 5 years and not exceeding annual peak production of 1,16,705 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 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 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.
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) 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.

9. 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 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
10. 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.
11. 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.
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. 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.
14. Due to cluster situations and the location of R.F at closely, 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


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techniques to ensure that no flyrock / throw travels beyond 10 m from the blasting.

15. 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.
16. No 'Deep-hole large diameter drilling and blasting' is carried out in the proposed quarry.
17. The PP shall carry out the blasting operation twice in a week such that the blasting frequency is limited to the extent for ensuring the control of blast-induced environmental impacts and adopt all necessary precautionary measures in accordance with the provisions of MMR 1961 during the time of blasting.
18. 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.
19. Since the quarry lies in a cluster situation, 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 while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
20. 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.
21. 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.

22. 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.
23. 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.
24. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
25. 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.
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. 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


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29.As accepted by the Project proponent the CER cost is Rs. 5.0 lakh and the amount shall be spent for the activities committed in Govt School in Anandalai Village during SEAC appraisal before obtaining CTO from TNPCB.

Agenda No: 352-24

(File No: 8175/2020)

Proposed Rough stone quarry project over an extent of 1.00.0 Ha in S.F.No. 1/4(Part-36) at Anandalai Village, Walajah Taluk, Vellore District, Tamil Nadu by Thiru. A Maria William- For Environmental Clearance. (SIA/TN/MIN/414102/2023 dated:11.01.2023)

Earlier, this proposal was placed in 270th Meeting of SEAC held on 06.05.2022.

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

The SEAC noted the following:

1. The project proponent, Thiru. A.Maria William has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.00.0 Ha at S.F.No. 1/4(Part-36) of Anandalai Village, Walajah Taluk, Vellore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. ToR issued vide - Lr No. SEIAA- TN/F.No./8175/SEAC/TOR-924/2020 Dated 16/04/2021.
4. Public hearing was conducted on Dated 21.10.2021.
5. As per the mining plan, the lease period is for 10 years and the mining plan is for 5 years the total quantity of recoverable should not exceed 3,45,010m³ of Rough stone & 11,248m³ of gravel with an ultimate depth of mining is 46m AGL [As per ToR issued].

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


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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 Bagavelli Reserve Forest is located at less than 1.0km 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 above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.I) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(a) 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 resubmitted/reapplied the same proposal on 11.01.2023 as under, with all necessary supporting documents in order to obtain Environmental Clearance.

File No	7781	8175
Online Proposal No for EC	SIA/TN/MIN/58586/2020, Dated 17.02.2022	SIA/TN/MIN/414102/2023 Dated 11.01.2023

1	Name of the Owner/Firm	Thiru.A.Maria William S/o.Antony Savarimuthu No.5, Sokkanathar Nagar 1-st Street Maduravoil, Ambattur Thiruvallur District - 600095
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2	Type of quarrying	Rough Stone Quarry
3	S.F No. Of the quarry site with area break-up	1/4 (Part -36)
4	Village in which situated	Anandalai
5	Taluk in which situated	Walajah
6	District in which situated	Vellore
7	Extent of quarry (in ha.)	1.00.0Ha
8	Period of quarrying proposed	5 years
9	Type of mining	Opencast Mechanized Mining Method
10	Production (Quantity in m3)	As per the mining plan, the lease period is for 10 years and the mining plan is for 5 years the total quantity of recoverable should not exceed 3,45,010m ³ of Rough stone & 11,248m ³ of gravel with an ultimate depth of mining is 46m AGL [As per ToR issued].
11	Latitude & Longitude of all corners of the quarry site	12°55'49.79" N to 12°55'54.49"N 79°23'40.90"E to 79°23'46.15"E
12	Top Sheet No.	57- P/05
13	Man Power requirement:	34 Employees
14	Precise area communication approved by the District Collector with date	Na. Ka. No.332/2019 (Kanimam), dated: 26.11.2019
15	Mining Plan approved by the Assistant Director of Geology and Mining with date	Roc. No.332/2019(Mines), dated: 11.06.2020
16	AD mines 500m duster letter by Assistant Director(i/c) of Geology and Mining with date	Roc. No. 332/2019(mines). dated: 08.07.2020
17	Water requirement: 7. Drinking & domestic purposes (in KLD) 8. Dust suppression 9. Green Belt (in KLD)	3.5 KLD 1 KLD 1.8 KLD 0.7 KLD
18	Power requirement m. Domestic Purpose n. Industrial Purpose	TNEB 3,22,862 Liters of HSD
19	Depth of quarrying	46m
20	Depth of water table	69m-64m
21	Whether any habitation within 300m distance	No
22	Project Cost	Rs.1,85,00,900

23	EMP cost	Rs.323.36 Lakhs
24	CER cost	Rs.5 Lakhs
25	VAO letter dated	Letter Furnished dated: Nil
26	ToR Issued	Lr.No.5EIAA-TN/F.No.8175/SEAC/TOR-924/2020,Dated 16/04/2021.
27	Public Hearing Details	Public hearing conducted on Dated: 21.10.2021.

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 3,45,010m³ of Rough Stone and 11,248m³ of gravel not exceeding the annual peak production of 81,505m³ of Rough Stone and 11248m³ of gravel with maintaining an ultimate pit depth of 46m AGL subject to the standard conditions as per the Annexure 1 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 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.
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 15 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) 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.
9. 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 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

10. 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.
11. 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.
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. 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.
14. Due to cluster situations and the location of R.F closely, 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.
15. 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.
16. No 'Deep-hole large diameter drilling and blasting' is carried out in the proposed quarry.
17. The PP shall carry out the blasting operation twice in a week such that the blasting frequency is limited to the extent for ensuring the control of blast-induced environmental impacts and adopt all necessary precautionary measures in accordance with the provisions of MMR 1961 during the time of blasting.


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18. 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.
19. Since the quarry lies in a cluster situation, 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 while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
20. 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.
21. 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.
22. 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.
23. 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.
24. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
25. 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 SETAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.

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. 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

29. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Government Panchayat Union Primary School, Musiri, Walajah (west), Ranipet as committed, before obtaining CTO from TNPCB.

Agenda No:352 - 25

(File No: 8206/2020)

Proposed Earth quarry lease over an extent of 0.82.0 Ha at S.F.Nos. 593/1 & 594/1 of unjampatti Village, Theni Taluk, Theni District, Tamil Nadu by Thiru. S.Sivaram- For Environmental Clearance. (SIA/TN/MIN/ 190039/2020 Dt. 04.01.2021).

The proposal was placed in 352nd SEAC meeting held on 08.02.2023. 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/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
2. The proposal is for mining of Earth the salient features of the proposal are as follows:


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1	Name of the Owner/Firm	: Thiru.S.Sivaram S/o.Subburaj No.W/2, Thathaiyan Street Bommayagoundanpatti Village Theni Taluk Theni District - 625531
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Earth quarry
3	S.F No. Of the quarry site with area break-up	: 593/1 & 594/1
4	Village in which situated	: unjampatti
5	Taluk in which situated	: Theni
6	District in which situated	: Theni
7	Extent of quarry (in ha.)	: 0.82.0 Ha
8	Period of quarrying proposed	: 2 years
9	Type of mining	Opencast mechanized mining
10	Production (Quantity in m ³)	: 5,538m ³ of Earth
11	Annual peak Production (Quantity in m ³)	: 2769 m ³ of Earth (1 st year)
12	Ultimate Depth of quarrying	: 1m BGL
13	Depth of water table	: 30m BGL
14	Latitude & Longitude of all corners of the quarry site	: 10°03'16"N to 10°03'19"N 77°27'46"E to 77°27'50"E
15	Top Sheet No.	: 58F/08
16	Man Power requirement per day:	: 7 Employees
17	Precise area communication approved by the District Collector , G&M with date	: Na,Ka.No. 118/Mines/2018, dated 19.12.2018
18	Mining Plan approved by the Assistant Geologist, Assistant Director(I/c) & Dept Geology and Mining with date	: Rc.No.351/Mines/2018 dated 20.03.2019
19	AD mines 500m cluster letter Approved by Assistant Director (i/c)& G&M	: Rc.No.118/Mines/2018, dated 16.12.2020
20	VAO certificate regarding 300m radius cluster	: Letter dated 19.12.2019

21	Water requirement: 8. Drinking & domestic purposes (in KLD) 9. Dust suppression(in KLD) 10. Greenbelt (in KLD)	: 1.0 KLD 0.3 KLD 0.4 KLD 0.3 KLD
22	Power requirement a. Domestic Purpose	TNEB 920 Liters of HSD
23	Project Cost	: Rs.6.13,000/-
24	EMP cost	: Capital Cost : Rs.3.46 Lakhs Recurring Cost/annum : Rs.1.52 Lakhs
25	CER cost	: Rs.2.0 Lakhs as accepted by the PP

3. Earlier, this proposal was placed in the 252nd SEAC meeting held on 10.03.2022. The Committee directed the proponent to submit the following additional details for further processing the proposal.

- 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.
- 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 Judgment.

Now, the PP had submitted the Soil test result from Anna University, Dindigul vide letter dt: 01.06.2022 and letter from the Department of Geology and Mining dt: 17.06.2022 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.

Hence, the proposal was placed for reappraisal in this 352nd SEAC meeting held on 08.02.2023. Based on the presentation made by the proponent and the documents, SEAC recommended to grant of Environmental Clearance for the production of 5,538 m³ of Earth for the period of Two years with an ultimate depth of 1 m BGL, subject to the standard conditions & 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. Tree plantation & fencing around the mine lease area shall be completed before starting the production.
3. 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.
4. 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.
5. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
6. 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.
7. 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.

8. 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.
9. 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.
10. 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.
11. 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.
12. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
13. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper spacing as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
14. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (ii) Noise


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levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.

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 50m 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 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.
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. 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.
21. 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.
22. 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.

23. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDDR 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.
24. 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 (TNPCEB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
25. 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.
26. 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.
27. 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.
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 Minutes.
29. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-LA.II) dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
30. As accepted by the Project proponent the CER cost is Rs. 2.0 lakhs and the amount shall be spent for the committed activities in Government Primary School, Unjampatti, Theni as committed, before obtaining CTO from TNPCEB.

Agenda No: 352 – TA-01
(File No: 3777/2021)


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Existing Black Granite lease area over an extent of 4.80.5 Ha in S.F.No. 745, 780 & 786/1 at Pulligunda Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Tvl.Bannari Amman Sugars Limited - For Extension of Validity of Environmental Clearance. (SIA/TN/MIN/214898/2021, dated: 11.06.2021)

The proposal was placed in the 352nd SEAC Meeting held on 08.02.2023. The details, furnished by the Proponent are given in the PARIVESH website. (parivesh.nic.in)

The SEAC noted the following:

1. The project proponent, Tvl. Bannari Amman Sugars Limited, has applied for Extension of validity of earlier issued Environmental Clearance for the existing Black Granite lease area over an extent of 4.80.5 Ha in S.F.No. 745, 780 & 786/1 at Pulligunda Village, Krishnagiri 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, as amended.
3. Earlier EC obtained – Lr.No.SEIAA-TN/F.No.3777/EC/1(a)/2802/2015 dated: 08.02.2016

Based on the presentation made by the proponent and the documents furnished, the SEAC noted the following:

- Previous EC was issued vide Lr.No.SEIAA-TN/F.No.3777/EC/1(a)/2802/2015 dated: 08.02.2016 to Tvl. Bannari Amman Sugars Limited for Black Granite lease area over an extent of 4.80.5 Ha in S.F.No. 745, 780 and 786/1 at Pulligunda Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu for the production of 5299 cum Black Granite to a depth of 15.5m.
- MoEF&CC Notification S.O. 221(E), Dt: 18.01.2021.
- MoEF&CC Notification S.O. 1807(E), Dt: 12.04.2022.
- MoEF&CC O.M. Dt: 13.12.2022.

During the meeting, the proponent stated that he had submitted proposal for extension of validity of the earlier issued EC vide Lr.No.SEIAA-TN/F.No.3777/EC/1(a)/2802/2015 dated: 08.02.2016 as per the MoEF&CC notification dated 12.04.2022 and O.M dated 13.12.2022 and hence requested for the same.


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EC obtained Date	08.02.2016
Lease Deed Registered Date: 11.12.2016	Validity of EC – 07.02.2021
Validity of Extension of EC	S.O. 221 (E) Dated: 18.01.2021 Validity of EC – 07.02.2022
Proponent applied for extension of validity of Environmental Clearance – Form – 6	08.06.2021 (Proposal No.SIA/TN/MIN/214493/2021

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. 2 Lakh and the amount shall be spent towards Re-Construction of Toilets for Boys and Maintenance for Thogarapalli Government Higher Secondary School, Krishnagiri, before obtaining CTO from TNPCB.

ANNEXURE-I

1. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.



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2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
4. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
5. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
6. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.
7. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.

8. The Project Proponent shall carry out slope stability study by a reputed academic/research institution such as NIRM, IIT, Anna University for evaluating the safe slope angle if the proposed dump height is more than 30 meters. The slope stability report shall be submitted to concerned Regional office of MoEF&CC, Govt. of India, Chennai as well as SEIAA, Tamilnadu.
9. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
10. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
11. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper escapements as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
13. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should


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be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.

14. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
15. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
16. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
17. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of

rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.

18. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
19. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
20. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
21. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
22. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
23. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
24. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
25. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the


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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 Prede 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	விளம்ப
2	<i>Adenanthera pavonina</i>	Manjaci	மஞ்சள், மஞ்சள்கொம்ப
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Uai	உ.அ.சி
5	<i>Bauhinia purpurea</i>	Martham	மர்தம்
6	<i>Bauhinia racemosa</i>	Aathi	அத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவத்தி
8	<i>Buchanania axillaris</i>	Kattuma	கட்டி, கட்ட
9	<i>Borassus flabellifer</i>	Pani	பனி
10	<i>Butea monosperma</i>	Marukkamarai	மருக்கமரம்
11	<i>Borax calbe</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Pannai	பன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரகண்டரை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கண்டரை
15	<i>Chloroxylon swietenia</i>	Puramamaram	புரம் மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Marjallavu	கொங்கு, மஞ்சள் கொங்கு
17	<i>Cordia dichotoma</i>	Naruvoli	நரவூலி
18	<i>Crotola adansonii</i>	Mavalanguan	மாவலங்கு
19	<i>Dillenia indica</i>	Uva, Uzha	உ.அ.
20	<i>Dillenia pentagyna</i>	SiruUva, Siruzha	சீரு.உ.அ.
21	<i>Dioppyro suberum</i>	Kanupali	கனூபலி
22	<i>Dioppyro ochloroxylon</i>	Vaganai	வகை
23	<i>Ficus amplissima</i>	Kallachi	கல் கிச்சி
24	<i>Hibiscus tiliaceus</i>	Astrupoooraram	அஸ்தூபூரம்
25	<i>Hartwickia binata</i>	Aacha	அ.அ.
26	<i>Holoptelia integrifolia</i>	Ayili	அயில் மரம், அயில்
27	<i>Lantana coromandelica</i>	Odham	ஒடம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மரம்
29	<i>Laportea tetraphylla</i>	Nelkottaimanam	நெல் கொட்டை மரம்
30	<i>Listonia acidissima</i>	Vila saram	விலை மரம்
31	<i>Lotus glutinosus</i>	Picirpettai	பிச்சிபெட்டை
32	<i>Madhuca longifolia</i>	Iluppal	இலுபு
33	<i>Morinda laetifolia</i>	UlkaiPandi	உ.அ.அ.அ. அ.அ.அ.
34	<i>Mimusops elengi</i>	Marizhamaram	மரிசம்
35	<i>Mitragyna parvifolia</i>	Kadamba	கடம்ப
36	<i>Merinda pubescens</i>	Nuna	நுனா
37	<i>Merinda citrifolia</i>	Vellai Nuna	வெள்ளை நுனா
38	<i>Phoenix sycaetre</i>	Eechai	ஏச்சை
39	<i>Pongamia pinnat</i>	Pungan	புண்ண

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40	<i>Prentiss mollissima</i>	Mirumai	முதுமை
41	<i>Prentiss serratifolia</i>	Narumalai	நாரமுலை
42	<i>Prentiss tomentosa</i>	Mahipocuvatu	மாஹிபூகுவது
43	<i>Prosopis cinerea</i>	Vanni maran	வாணி மாறம்
44	<i>Pterocarpus maritimus</i>	Vengai	வேங்கை
45	<i>Pterocarpus amarus</i>	Vennangu, Tada	வேணாங்கு, தாடா
46	<i>Pterocarpus zylacarpus</i>	Polaru	பொலாரு
47	<i>Putranjiva roxburghii</i>	Karpala	கர்பலா
48	<i>Salvadora persica</i>	Ugaa Maram	உகா மாறம்
49	<i>Sapindus emarginatus</i>	Manipungan, Sompukai	மாணிபுண்டி, சோம்புகை
50	<i>Samoa acuta</i>	Asoca	அசோகா
51	<i>Struthus asper</i>	Piray maran	பிராய் மாறம்
52	<i>Strychnos maroonic</i>	Yetti	யெட்டி
53	<i>Strychnos potatorum</i>	Theerkang Kottai	தேர்காங்கு கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாந்திரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேணு மாருது
57	<i>Teona ciliata</i>	Sandhana vembu	சாந்தாணா வெம்பு
58	<i>Theophras populnea</i>	Povarasu	பொவாரசு
59	<i>Walsuretrifoliata</i>	vabura	வாபுரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலை
61	<i>Palicoula dactyl</i>	Kodakkapali	கோடக்காப்பலி

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கருவங்கலம் ஓட்டி செல்வாட்டிலுள்ள கழித்தல் அணைத் திட்டம், திட்டமொன்று உட்கட்டப்படாது. இதற்காக, தேர்தல் ரீதியாக, கழித்தல் அணைத் திட்டம் வரை செயல்பாட்டில் உள்ளது.

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