

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 278th Meeting of the State Expert Appraisal Committee (SEAC) held on 27th May 2022 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects

Agenda No: 278-1

(File No: 8908/2021)

Proposed Rough Stone and Gravel quarry lease over an extent of 1.10.0 Ha in S. F. Nos. 112/2C1 & 112/2C2 of Thattnaickenpatty North Village, Palani Taluk, Dindigul District, Tamil Nadu by Thiru N.S. Selvaraj-For Environmental Clearance (SIA/TN/MIN/241107/2021 Dated 29.11.2021)

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

The SEAC noted the following:

1. The Project Proponent, Thiru N.S. Selvaraj has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 1.10.0 Ha in S. F. Nos. 112/2C1 & 112/2C2 of Thattnaickenpatty North Village, Palani Taluk, Dindigul District, Tamil Nadu
2. The proposed quarry/activity is covered under Category “B2” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 10 years and the mining for the entire period of 5 years should not exceed 72241 cu.m. of Rough Stone, 8892 Cu.m of Weathered Rock & 13,338 cu.m. of gravel. The peak annual production 16600 cu.m. of Rough Stone(1st year), 3027 Cu.m of Weathered Rock(2nd year) & 4541 cu.m. of gravel (2nd year). The ultimate depth 13 metres below GL.

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


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1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The PP shall carry out maximum of two rounds of blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.650 kg/round to ensure the environmentally acceptable blasting operation. The PP shall also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.
3. 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.
4. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the following activities in Govt. High School, Thatanaickenpatty before obtaining CTO from TNPCB.

Bore well with submersible pump. Xerox machine with computer. Developing Library Facilities. Improving toilets & drinking water facilities. Planting of trees in and around the school (As per Appendix-I).

Agenda No: 278-2

(File No: 8910/2021)


Proposed Rough Stone and Gravel quarry lease over an extent of 0.55.5 Ha in S. F. No. 335/2 of Venkatpuram village, Arcot Taluk, Ranipet District, Tamil Nadu by Thiru E. Srinivasan for Environmental Clearance (SIA/TN/MIN/247689/2021 Dated 27.02.2021)

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

Agenda No: 278-3

(File No: 8911/2021)

Proposed Rough Stone, Chakkai and Sholing quarry lease over an extent of 0.63.5 Ha in S. F. Nos. 125/3A and 125/3B of Palayakottai Village, Manapparai Taluk, Tiruchirapalli District, Tamil Nadu by Thiru K. Senthilkumar for Environmental Clearance (SIA/TN/MIN/242056/2021 Dated 03.12.2021)


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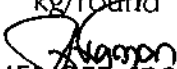
The proposal was placed in this 278th Meeting of SEAC held on 27.05.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru K. Senthilkumar has applied for Environmental Clearance for the proposed Rough Stone, Chakkai and Sholing quarry lease over an extent of 0.63.5 Ha in S.F.Nos. 125/3A and 125/3B of Palayakottai Village, Manapparai Taluk, Tiruchirapalli District, Tamil Nadu
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 23,764 cu.m. of Rough Stone. The annual peak production 4790 cu.m. of Rough Stone(5th year) and the ultimate depth - 21 metres below GL.
4. The quarrying is proposed in the patta land owned by the proponent.

Based on the presentation and documents furnished by the project proponent and considering mining safety, SEAC recommended to remove the section XY-AB, IVth bench of Vth year and XY-CD, IVth bench of Vth year. Accordingly, SEAC recommend the proposal for the grant of Environmental Clearance, for the production 22,379 cu.m. of Rough Stone with the ultimate depth of mining is 21m below GL subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The PP shall carry out the controlled blasting techniques involving maximum of two rounds of blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.650 kg/round to ensure the environmentally acceptable blasting operation. The PP


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shall also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.

3. The PP shall appoint the qualified Mine Manager and other statutory competent person (Blaster or Mine Mate) for carrying out the blasting operation.
4. 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.
5. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the following activities in Govt. Hr. Sec. School N.Poolambatty before obtaining CTO from TNPCB.

Providing almirah for library books. Provision of internet connection. Construction of compound wall with gate. Improving toilets & drinking water facilities. Planting of trees in and around the school (As per Appendix-I).

Agenda No: 278-4

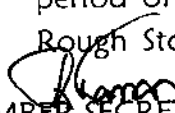
(File No: 8912/2022)

Proposed Rough Stone and Gravel quarry lease over an extent of 3.89.0 Ha in S. F. Nos. 162 and 165/2B2 of Umarikottai Village, Thoothukudi Taluk, Thoothukudi District, Tamil Nadu by Thiru V. Manakavala Perumal for Environmental Clearance (SIA/TN/MIN/249889/2022 Dated 06.01.2022)

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

The SEAC noted the following:

1. The Project Proponent, Thiru V. Mankkavla Perumal has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 3.89.0 Ha in S.F.Nos. 162 and 165/2B2 of Umarikottai Village, Thoothukudi Taluk, Thoothukudi District, Tamil Nadu
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years and the mining for the entire period of five years should not exceed. the maximum depth of mining would be 70 metres below GL.
4. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 8,18,090 cu.m. of Rough Stone and 1,58,530 cu.m. of Top soil with Gravel. The annual peak


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production 164160 cu.m. of Rough Stone(3rd &4th year) and 14110 m3 of Top soil with Gravel. The ultimate depth - 70 metres below GL

Based on the presentation and documents furnished by the project proponent and considering mining safety, SEAC decided to recommend the proposal for the grant of Environmental Clearance, for the production 7,43,070 cu.m. of Rough Stone and 1,58,530 cu.m. of gravel. The ultimate depth of mining 50 metres below GL subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The PP shall carry out the controlled blasting techniques involving maximum of two rounds of blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.650 kg/round to ensure the environmentally acceptable blasting operation. The PP shall also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.
3. The PP shall appoint the qualified Mine Manager and other statutory competent person (Blaster or Mine Mate) for carrying out the blasting operation.
4. The PP shall submit the Slope Stability Action Plan for the quarry as the proposed depth is more than 40 m before obtaining the CTO from TNPCB.
5. 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.
6. As accepted by the Project proponent the CER cost is Rs. 7.7 lakh and the amount shall be spent for the following activities in Govt. Hr. Sec. School Umarikottai before obtaining CTO from TNPCB.


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Providing solar powered smart classrooms with internet connection. Environmental related Books for library. Improvement to flooring, toilets with running water & drinking water facilities. Planting of trees in and around the school (As per Appendix-I).

Agenda No: 278-5

(File No: 8913/2021)

Proposed Rough Stone quarry lease over an extent of 1.03.0 Ha in S. F. Nos. 1840/1G, 1840/1J, 1840/1K, 1840/1L, 1840/2A, 1840/2B, 1840/2C and 1840/2G of Thimmarasanayakkanur Bit-II Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru K. Jeganathan for Environmental Clearance (SIA/TN/MIN/240274/2021 Dated 27.11.2021)

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

The SEAC noted the following:

1. The Project Proponent, Thiru K. Jeganathan has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 1.03.0 Ha in S. F. Nos. 1840/1G, 1840/1J, 1840/1K, 1840/1L, 1840/2A, 1840/2B, 1840/2C and 1840/2G of thimmarasanayakkanur Bit-II Village, Andipatti Taluk, Theni District, Tamil Nadu
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 52,639 cu.m. of Rough Stone. The annual peak production 11170 cu.m. of Rough Stone(5th year) . The ultimate depth – 26m BGL

Based on the presentation and documents furnished by the project proponent, SEAC noted that the SMTR (Srivilliputhur Megamalai Tiger Reserve) is located within 10 KM from the project site. The ESZ for the Reserve is yet to be notified. The Committee, therefore, decided to **not recommend** the proposal.


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Agenda No: 278-6

(File No: 8915/2021)

Proposed Rough Stone quarry lease over an extent of 1.03.5 Ha in S. F. No. 468/3 of Puliamcombai Village, Andipatti Taluk, Theni District, Tamil Nadu by Tmt. P. Santha for Environmental Clearance (SIA/TN/MIN/240164/2021 Dated 18.12.2021)

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

The SEAC noted the following:

1. The Project Proponent, Tmt. P. Santha has applied for the grant of EC for the proposed Rough Stone and Gravel quarry lease over an extent of 1.03.5 Ha in S. F. No. 468/3 of Puliamcombai Village, Andipatti Taluk, Theni District, Tamil Nadu
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 74,000 cu.m. of Rough Stone, 11,856 cu.m. of Gravel. The annual peak production 15400 cu.m. of Rough Stone(4th & 5th year) . The ultimate depth – 27m 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".


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

Agenda No: 278-7

(File No: 8916/2022)


Proposed Rough Stone quarry lease over an extent of 0.98.0 Ha in S. F. No. 131/1 (P) of Puthur village, Rajapalayam Taluk, Virudhunagar District, Tamil Nadu by Thiru K.M. Muthukanna for Environmental Clearance (SIA/TN/MIN/252090/2022 Dated 20.01.2022)


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

The SEAC noted the following:

1. The Project Proponent, Thiru K.M. Muthukannana has applied for **Environmental Clearance** for the proposed Rough Stone and Gravel quarry lease over an extent of 0.98.0 Ha in S. F. No. 131/1 (P) of Puthur village, Rajapalayam Taluk, Virudhunagar District, Tamil Nadu .
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 77,975 cu.m. of Rough Stone and 27,900 cu.m. of Gravel. The annual peak production 12075 cu.m. of Rough Stone(2nd year) & 9300 cu.m of Gravel (1st – 3rd year). The ultimate depth – 30m BGL

Based on the presentation and documents furnished by the project proponent, SEAC noted that the SMTR (Srivilliputhur Megamalai Tiger Reserve) is located within 10 KM from the project site. The ESZ for the Reserve is yet to be notified. The Committee, therefore, decided to not recommend the proposal.


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Agenda No: 278-8

(File No: 8917/2021)

Proposed Rough Stone and Gravel quarry lease over an extent of 0.94.10 Ha in S. F. No. 795/4 (P) & 806/1 of Ayankollankondan Village, Rajapalayam Taluk, Virudhunagar District, Tamil Nadu by Thiru A. Ajeesh for Environmental Clearance (SIA/TN/MIN/240337/2021 Dated 01.12.2021)

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

The SEAC noted the following:


1. The Project Proponent, Thiru A. Ajeesh, has applied for Environmental Clearance the proposed Rough Stone and Gravel quarry lease over an extent of 0.94.10 Ha in S. F. No. 795/4(P) & 806/1 of Ayankollankondan Village, Rajapalayam Taluk, Virudhunagar District, Tamil Nadu
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 83,531 cu.m. of Rough Stone and 19,539 cu.m. of Gravel. The annual peak production 22480 cu.m. of Rough Stone(5thyear) & 7659 cu.m of Gravel (3rd year). The ultimate depth – 30m BGL

Based on the presentation and documents furnished by the project proponent, SEAC noted that the SMTR (Srivilliputhur Megamalai Tiger Reserve) is located within 10 KM from the project site. The ESZ for the Reserve is yet to be notified. The Committee, therefore, decided to not recommend the proposal.

Agenda No: 278-9

(File No: 8918/2021)

Proposed Rough Stone and Gravel quarry lease over an extent of 2.40.51 Ha in S. F. No. 332/1(P), 334(P) and 331/1B(P) of Pudupatti Part-1 Village, Alangulam Taluk, Tenkasi District, Tamil Nadu by Thiru V. Muthiah for Environmental Clearance (SIA/TN/MIN/243271/2021 Dated 06.12.2021)


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

The SEAC noted the following:

1. The Project Proponent, Thiru V. Muthiah, has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 2.40.51 Ha in S. F. No. 332/1(P), 334(P) and 331/1B(P) of Pudupatti Part-1 Village, Alangulam Taluk, Tenkasi District, Tamil Nadu.
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 4,24,200 cu.m. of Rough Stone, 18,276 cu.m. of Weathered Rock and 38,138 cu.m. of Gravel. The annual peak production 85425 cu.m. of Rough Stone(3rd year), 17082 cu.m. of Weathered Rock(1st year) and 35450 cu.m. of Gravel (1st year). The ultimate depth – 43m BGL

Based on the presentation and documents furnished by the project proponent, SEAC noted that there is a structure (Rice Mill) located in close proximity (60 m) to the proposed quarry. SEAC, therefore, decided to not recommend the proposal following the provisions as laid under Rule 36 (1-A) (a) of the Tamil Nadu Minor Mineral Concession Rules, 1959.

Agenda No: 278-10

(File No: 8919/2021)

Proposed Rough Stone and Gravel quarry lease over an extent of 1.08.0 Ha in S.F.Nos. 40/6D, 42/1A, 42/7A, 42/8A1, 42/8B, 42/7B and 42/8A2, 40/5C, 40/6B & 42/1B of Sembattur Village, Pudukkotti Taluk, Pudukkottai District, Tamil Nadu by Thiru M. Bharathi for Environmental Clearance (SIA/TN/MIN/202492/2021 Dated 09.03.2021)

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

The SEAC noted the following:


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1. The Project Proponent, Thiru M. Bharathi has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 1.08.0 Ha in S.F.Nos. 40/6D, 42/1A, 42/7A, 42/8A1, 42/8B, 42/7B and 42/8A2, 40/5C, 40/6B & 42/1B of Sembattur Village, Pudukkotti Taluk, Pudukkottai District, Tamil Nadu
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 32,862 cu.m. of Rough Stone and 6,282 cu.m. of Top soil . The annual peak production 7670 cu.m. of Rough Stone(1st year) & 3720 cu.m. of Top Soil (1st year). The ultimate depth – 32m BGL

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

1. The PP shall furnish the certified compliance report on the existing EC issued from MOEF&CC/TNPCB.
2. The PP shall revise the mining plan as (1) the mining plan does not provide adequate buffer for the water course adjoining the site and (2) the mining plan has failed to recognize the fact that the PP has quarried the poramboke land abutting the site.

Agenda No: 278-11


(File No: 8920/2021)

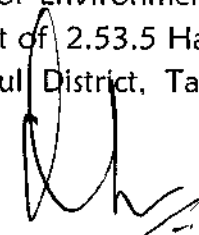
Proposed Gravel quarry lease over an extent of 2.53.5 Ha in S.F.No. 529 of Ayyalur Village, Vendasandur Taluk, Dindigul District, Tamil Nadu by Thiru M. Chinnathevar for Environmental Clearance (SIA/TN/MIN/202804/2021 Dated 10.03.2021)

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

The SEAC noted the following:

1. The Project Proponent, Thiru M. Chinnathevar has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of 2.53.5 Ha in S.F.No. 529 of Ayyalur Village, Vendasandur Taluk, Dindigul District, Tamil Nadu.


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2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 2 years. The mining plan is for the period of Two years & the production should not exceed 26.726 cu.m. of Gravel). The ultimate depth – 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 Thanner Karadu RF is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal

Agenda No: 278-12
(File No: 8921/2021)

Proposed Rough Stone and Gravel quarry lease over an extent of 2.02.0 Ha in S.F.Nos. 153/3A, 153/3B, 153/5C & 154/2 of Therani Village, Alathur Taluk, Perambalur District, Tamil Nadu by Thiru T. Thiyagarajan for Environmental Clearance (SIA/TN/MIN/237559/2021 Dated 08.11.2021)

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

The SEAC noted the following:

1. The Project Proponent, Thiru T. Thiyagarajan has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 2.02.0 Ha in S.F.Nos. 153/3A, 153/3B, 153/5C & 154/2 of Therani


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Village. Alathur Taluk, Perambalur District, Tamil Nadu

2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The crusher shed belongs to the PP is located within 300m from the project site.
4. As per mining plan, the lease period is 10 years. The mining plan is for the period of 10 years & the production should not exceed 1,59,025 cu.m. of Rough Stone and 23,840 cu.m. of Gravel . The annual peak production 17500 cu.m. of Rough Stone(5th year) & 14592 cu.m. of Gravel (1st year). The ultimate depth – 38m BGL

Based on the presentation and documents furnished by the project proponent and considering mining safety SEAC decided to disallow the last bench in section XY CD as the width is less than 12 m. Accordingly, SEAC decided to **recommend the proposal for the grant of Environmental Clearance**, for the production 149850 cu.m. of Rough Stone and 23840 cu.m. of gravel for the period of 10 years. The ultimate depth of mining 33 metres below GL subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The PP shall appoint the qualified Mine Manager and other statutory competent person (Blaster or Mine, Mate) for carrying out the blasting operation.
3. The PP shall carry out the controlled blasting techniques involving maximum of two rounds of blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.650 kg/round to ensure the environmentally acceptable blasting operation. The PP shall also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.


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4. The PP shall evolve and maintain a proper haul road accessibility from the quarry site to the nearest state/village road without affecting the habitations.
5. 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.
6. As accepted by the Project proponent the CER cost is Rs. 5 lakh and the amount shall be spent for the following activities in Govt. Hr. Sec. School Therani before obtaining CTO from TNPCB.

Terracotta Painting of school compound wall with environmental awareness slogans. Renovation of school drinking water tank. Providing napkin incinerator in girl's toilet. Providing environmental related cartoon books to the School Library. Carrying out tree plantation in the grazing ground poramboke land in consultation with panchayat authorities. Tree plantation in and around the school (As per Appendix-I). Renovation of playground and providing sports equipments.

Agenda No: 278-13

(File No: 8926/2022)

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

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

The SEAC noted the following:

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


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

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

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

Agenda No: 278-14

(File No: 8928/2022)

Proposed Rough Stone and Gravel quarry lease over an extent of 2.08.5 Ha in S.F.Nos. 1595/1 & 1597/1C Aniyaparanallur Village, Srivaikuntam Taluk, Thoothukudi District, Tamil Nadu by Thiru Joseph Durai Anand for Environmental Clearance (SIA/TN/MIN/252247/2021 Dated 19.01.2022)

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

The SEAC noted the following:

1. The Project Proponent, Thiru Joseph Durai Anand has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 2.08.5 Ha in S.F.Nos. 1595/1 & 1597/1C Aniyaparanallur Village, Srivaikuntam Taluk, Thoothukudi District, Tamil Nadu
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of 5 years & the production should not exceed 150050 Cu.m. of Rough Stone, 29140 Cu.m of Gravel and 43710 cu.m. of Weathered rock . The annual peak production 32770 Cu.m. of Rough Stone(4th year), 11436 Cu.m of Gravel(3rd year) and 17154 cu.m. of Weathered rock(3rd year). The ultimate depth - 35m BGL


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Based on the presentation and documents furnished by the project proponent and considering mining safety SEAC recommended to remove last bench in the section XY-AB accordingly recommend the proposal for the grant of Environmental Clearance, for the production 1,47,130cu.m. of Rough Stone, 29140 Cu.m of Gravel and 43710 cu.m. of Weathered rock. The ultimate depth of mining 35m below GL subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The PP shall appoint the qualified Mine Manager and other statutory competent person (Blaster or Mine Mate) for carrying out the blasting operation.
3. The PP shall carry out the controlled blasting techniques involving maximum of two rounds of blast only per day, restricted to the maximum of 50 Nos of holes per round using line drilling & muffle blasting to ensure the environmentally acceptable blasting operation.
4. Since the proposed project located at a distance of 6.5 KM from ESZ of Vallanadu Black Buck Wild Life Sanctuary , as per OM No. F.No.23-43/2018-IA.III Dt. 8.8.2019, para 4(ii), the PP shall remit Rs 5 lakh to DFO, Thuthukudi, to carry out appropriate conservation measures, like creation of water holes, planting of trees and shrubs that provide forage to wild animals.
5. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP furnished.

Agenda No: 278-15
(File No: 8929/2021)

Proposed Rough Stone and Gravel quarry lease over an extent of 0.75.50 Ha in S.F.No. 302/4 of Palamathi Village, Vellore Taluk and District, Tamil Nadu by Thiru E. Elampoopathy for Environmental Clearance (SIA/TN/MIN/248084/2021 Dated 04.01.2022)


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

The SEAC noted the following:

1. The Project Proponent, Thiru E. Elamboopathy has applied for **Environmental Clearance** for the proposed Rough Stone and Gravel quarry lease over an extent of 0.75.50 Ha in S.F.No. 302/4 of Palamathi Village, Vellore Taluk and District, Tamil Nadu
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of 5 years & the production should not exceed 113229 Cu.m. of Rough Stone & 7616 Cu.m of Gravel. The annual peak production 25060 Cu.m. of Rough Stone(5th year) & 7616 Cu.m of Gravel(1st year). The ultimate depth – 40m(15m AGL+25m 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 Palamathi RF is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal


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Agenda No: 278-16

(File No: 8930/2022)

Proposed Rough Stone and Gravel quarry lease over an extent of 1.38.0 Ha in S.F.No. 37/1 (Part) of Anjagoundanpatty Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Thiru M. Balasubramaniam for Environmental Clearance (SIA/TN/MIN/250465/2022 Dated 10.01.2022)

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

The SEAC noted the following:

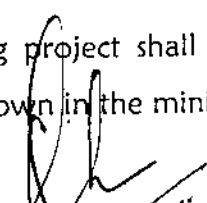
1. The Project Proponent, Thiru N. Balasubramaniam has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 1.38.0 Ha in S.F.No. 37/1 (Part) of Anjagoundanpatty Village, Aravakurichi Taluk, Karur District, Tamil Nadu.
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 10 years. The mining plan is for the period of 10 years & the production should not exceed 130580 Cu.m. of Rough Stone, 30690Cu.m of Gravel & Weathered Rock – 10230 Cu.m. The annual peak production 17300 Cu.m. of Rough Stone (2nd & 3rd year) , 10890Cu.m of Gravel (1st year) & Weathered Rock – 3630 Cu.m (1st year). The ultimate depth –35m.

Based on the presentation and documents furnished by the project proponent and considering mining safety, SEAC decided to disallow the last bench in section XY AB as the width is less than 12 m. Accordingly, SEAC decided to recommend the proposal for the grant of Environmental Clearance, for the production 127730 cu.m. of Rough Stone, 30690Cu.m of Gravel & 10230 Cu.m of Weathered Rock for the period of 10 years with the depth restricted to 30m below GL 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


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- plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The PP shall appoint the qualified Mine Manager and other statutory competent person (Blaster or Mine Mate) for carrying out the blasting operation.
 3. Since an abandoned AN storage shed is located within 100 m, the PP shall carry out the controlled blasting techniques involving maximum of two rounds of blast only per day, restricted to the maximum of 40 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.650 kg / round to ensure the environmentally acceptable blasting operation. The PP shall also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.
 4. The PP shall strictly adhere to the conditions as stipulated in the letter of Precise Area Communication issued by the AD/Mines, DGM to safe guard the aforesaid AN shed while planning the development of quarry operation.
 5. 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.
 6. As accepted by the Project proponent the CER cost is Rs. 6.3 lakh and the amount shall be spent for the following activities in Govt. Hr. Sec. School Esanattham before obtaining CTO from TNPCB.


Providing safe drinking water. Providing environmental related books to the School Library. Tree plantation in and around the school (As per Appendix-I).

Agenda No: 278-17

(File No: 8932/2021)

Proposed Rough Stone and Gravel quarry lease over an extent of 1.21.5 Ha in S.F.No. 766/4 of Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu by Thiru M. Sakthi for Environmental Clearance (SIA/TN/MIN/239352/2021 Dated 18.11.2021)

1. The Project Proponent, Thiru M. Sakthi has applied for Environmental Clearance for the Rough Stone and Gravel quarry lease over an extent of 1.21.5 Ha in S.F.No. 766/4 of Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu.


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2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. 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 85683 Cu.m. of Rough Stone . The annual peak production 17375 Cu.m. of Rough Stone (4th year). The ultimate depth -44m (14m AGL + 30m 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 Nathanahalli RF is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal

Agenda No: 278-18

(File No: 8933/2021)

Proposed Rough Stone and Gravel quarry lease over an extent of 1.00.0 Ha in S.F.No. 279 (Part 2) Chennasandiram Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru M. Chakravarthy for Environmental Clearance (SIA/TN/MIN/250465/2022 Dated 10.01.2022)

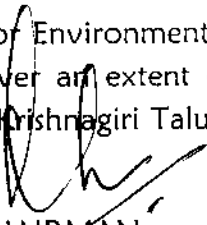
The proposal was placed in this 278th Meeting of SEAC held on 27.05.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC took note of the following

1. The Project Proponent, Thiru M. Chakravarthy has applied for Environmental Clearance for the Rough Stone and Gravel quarry lease over an extent of 1.00.0 Ha in S.F.No. 279 (Part 2) Chennasandiram Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu. It is a Govt Promboke land.


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2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. 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 85683 Cu.m. of Rough Stone & 1428 Cu.m Top soil. The annual peak production 17375 Cu.m. of Rough Stone (4th year) & 1428 Cu.m Top soil (1st year). The ultimate depth – 44m.

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 Karianpatti RF & Chennasamudiram RF are 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.

Agenda No: 278-19

(File No: 8934/2022)

Proposed Rough Stone and Gravel quarry lease over an extent of 1.74.5 Ha in S.F.Nos. 845/1, 845/2/ 845/3, 845/4, 845/5, 845/6, 845/7 & 845/8 of Gurunadhanaickanur Village, Dindigul West Taluk, Dindigul District, Tamil Nadu by Thiru M. Shankar for Environmental Clearance (SIA/TN/MIN/250623/2022 Dated 19.01.2022)

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

The SEAC noted the following:


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1. The Project Proponent, Thiru N. Shankar has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 1.74.5 Ha in S.F.Nos. 845/1, 845/2/ 845/3, 845/4, 845/5, 845/6, 845/7 & 845/8 of Gurunadhanaickanur Village, Dindigul West Taluk, Dindigul District, Tamil Nadu.
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The lease period is 5 years and the mining for the entire period of five years should not exceed 214680 cu.m. of Rough Stone and 65270 cu.m. of Gravel. The annual peak production 52200 cu.m. of Rough Stone(2nd year) and 26750 cu.m. of Gravel(1st year). The ultimate depth of mining- would be 50 metres below GL.

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

1. The PP shall furnish a letter from AD/DD Mining stating that details of quarries located within 500m radius as per the prescribed format.
2. The PP shall furnish a letter from AD/DD Mining stating details of structures & habitations located within 300m from the boundary of the project site.
3. The PP shall provide the details of industrial activities within a radius of 500 m from the proposed site.

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

Agenda No: 278-20


(File No: 8936/2022)

Proposed Rough Stone and Gravel quarry lease over an extent of 2.83.27 Ha in S.F.Nos. 148(P) & 149(2)(P) of Punnamai Village, Cheyyur Taluk, Chengalpattu District, Tamil Nadu by M/s. Madras Mines for Environmental Clearance (SIA/TN/MIN/251785/2022 Dated 19.01.2022)

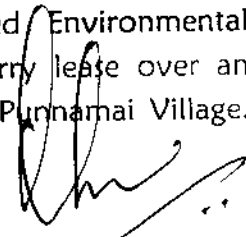
The proposal was placed in this 278th Meeting of SEAC held on 27.05.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent M/s. Madras Mines has applied Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 2.83.27 Ha in S.F.Nos. 148(P) & 149(2)(P) of Punnamai Village, Cheyyur Taluk, Chengalpattu District, Tamil Nadu


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2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The lease period is 10 years and the mining for the entire period of five years should not exceed 451860 cu.m. of Rough Stone, 114970 cu.m. of Weathered Rock and 47220 cu.m. of Gravel. The annual peak production 90600 cu.m. of Rough Stone(5th year), 46545 cu.m. of Weathered Rock(1st year) and 19356 cu.m. of Gravel(1st year). The ultimate depth of mining- 4750 metres below GL. The maximum depth of mining would be 47 metres below GL.

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

1. The PP shall furnish the revised mining plan showing the correctly aligned benches with mandatory safety distance of 7.5 m w.r.t the adjacent patta land where another quarry is operating presently and if the amalgamation of the two quarry sites is proposed by the PP, it shall be shown clearly in the Revised Mining Plan.
2. Slope Stability Action plan involving the alignment of the benches of the existing quarry and the stability measures for the benches designed in the proposed quarry.

Agenda No: 278-21

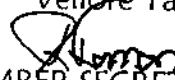
(File No: 8937/2022)

Proposed Rough Stone and Gravel quarry lease over an extent of 0.82.7 Ha in S.F.Nos. 16/2A, 17/1 & 24/2B of Sirukalambur Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru R. Udayasrinivasan for Environmental Clearance (SIA/TN/MIN/252884/2022 Dated 24.01.2022)

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

The SEAC noted the following:

1. The Project Proponent Thiru R. Udayasrinivasan has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 0.82.7 Ha in S.F.Nos. 16/2A, 17/1 & 24/2B of Sirukalambur Village, Vellore Taluk, Vellore District, Tamil Nadu


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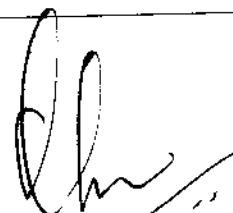
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The lease period is 5 years and the mining for the entire period of five years should not exceed 30800 cu.m. of Rough Stone and 10584 cu.m. of Gravel. The annual peak production 6785 cu.m. of Rough Stone(1st year) and 3882 cu.m. of Gravel(2nd & 3rd year). The ultimate depth of mining- 12m below GL.

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

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The PP shall appoint the qualified Mine Manager and other statutory competent person (Blaster or Mine Mate) for carrying out the blasting activities before the commencement of quarry operation.
3. The PP shall carry out the controlled blasting techniques involving line drilling & muffle blasting such that the ground vibration is restricted to the DGMS permissible limits and no fly rock is produced beyond 30 m.
4. 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.
5. As accepted by the Project proponent the CER cost is Rs. 5 lakh and the amount shall be spent for the following activities in Panchayat Union Middle School Thuthipattu before obtaining CTO from TNPCB.

Providing solar powered Smart classroom. Providing safe drinking water. Providing environmental related books to the School Library. Tree Plantation in and around the school (As per Appendix-I).


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Agenda No: 278-22

(File No: 9186/2022)

Proposed Sand quarry lease over an extent of 4.90.0 Ha in S.F.No. 124(P) of B. Adhanur Village, Bhuvanagiri Taluk, Cuddalore District, Tamil Nadu by the Executive Engineer, Mining and Monitoring Division, Water Resource Department for Environmental Clearance (SIA/TN/MIN/267272/2022 Dated 13.04.2022)

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

The SEAC noted the following

1. The Project proponent of Executive Engineer, Mining and Monitoring Division, Water Resource Department has applied for Environmental Clearance for the proposed Sand quarry lease over an extent of 4.90.0 Ha in S.F.No. 124(P) of B. Adhanur Village, Bhuvanagiri Taluk, Cuddalore District, Tamil Nadu.
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the mining lease period is 1 year and the production for one year should not exceed 73956 Cu.m of sand with ultimate depth 1m.

Based on the presentation made by the Proponent, the SEAC decided to carry out on site inspection constituted by SEAC. On the receipt of the report further deliberation will be done.

Agenda No: 278-23

(File No: 7594/2020)

Proposed Sand quarry over an extent of 1.20.0 Ha in Vellaru river located at S.F.No: 302(p) Sannasinallur Village, Sendurai Taluk, Ariyalur District Tamil Nadu by the Executive Engineer, PWD/WRD- For amendment in Environmental Clearance. (SIA/TN/MIN/261515/2022 Dt.13.3.2022)

The proposal was placed for appraisal in this 278th SEAC held on 27.5.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:


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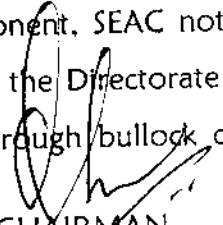

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1. The Proponent, Executive Engineer, PWD/WRD, has applied for amendment in Environmental Clearance issued for the Sand quarry over an extent of 1.20.0 Ha in Vellaru river located at S.F.No: 302(p) Sannasinallur Village, Sendurai Taluk, Ariyalur District Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. Earlier, the PP has obtained Environmental Clearance for the said proposal vide Lr. No. SEIAA-TN/F.No.7594/EC/1(a)/4375/2020 Dt. 9.10.2020 for the production quantity 12000 m³ of Sand in Vellaru river for the period of One Year from the date of execution of the mining lease, with the following condition among them
 - i. The mine working will be Manual
 - ii. The project proponent is allowed to engage bullock carts to transport the sand.
4. Now, the PP vide Lr No. DB/DO.1/F.23/28-m/2022 Date 11.02.2022, has requested that, *"As per the conditions contemplated in the Environmental Clearance, the Mechanism of mining operation is restricted to Manual and Transportation is restricted to Bullock carts. Due to Covid -19 Pandemic situation, the lease agreement for this Sannasinallur Village Sand quarry has not been executed. Now, the Tamil Nadu Govt has decided to resume the sand quarry operation to fulfil the State sand demand. But, expected demand for sand is much higher than the probable supply which could not be met out from the existing sand quarries of the state. Hence the rate of supply needs to be increased, to satisfy the huge demand from the public and Govt projects as well. This can be done through Machinery Loading and General Transport. Hence, it is requested that mining mechanism for Sannasinallur Village Sand quarry operation may please be amended as Machinery and Transportation mechanism as General (All Available mode of transport) at the earliest"*.

This proposal was placed before 262nd SEAC Meeting held on 8.4.2022. Based on the representation and documents furnished by the project proponent, SEAC noted that the PP has originally furnished the mining plan approved by the Directorate of Geology and Mining for the manual mining & transportation through bullock cart


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only and the Environmental Clearance was granted accordingly but it has not been executed by the PP. Hence SEAC decided that, the project proponent shall furnish the revised mining plan approved by the Directorate of Geology and Mining for their proposed mechanized mining operations with general transportation for further deliberations.

Now the PP has furnished the revised mining plan, accordingly this proposal again been placed in 278th SEAC meeting held on 27.5.2022. The project proponent has made the representation based on the revised mining plan.

Based on the presentation & documents furnished by the PP, SEAC decided to recommend the proposal for grant of Environmental Clearance with semi mechanized mining operation & transportation through bullock cart, tractors & tippers, subject to the following specific conditions in addition to the other conditions stipulated in 177th SEAC (vide Item no. 177-TA-01) meeting held on 22.7.2020.

1. The Condition No 21 imposed in the minutes of 177th SEAC (vide Item no. 177-TA-01) meeting held on 22.7.2020 is removed.
2. The mining operation shall be carried out as per the modified mining plan submitted to the SEAC/SEIAA.
3. The PP shall allocate 10% of total quantity of sand to be mined out and make it available exclusively for the requirements of local habitants located around the proposed quarry.
4. 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.

Agenda No: 278-24

(File No: 7596/2020

Proposed Sand quarry over an extent of 4.80.0 Ha in Vellaru river located at S.F.No: 158(p) Senthamangalam Village, Sendurai Taluk, Ariyalur District Tamil Nadu by the Executive Engineer, PWD/WRD– For amendment in Environmental Clearance. (SIA/TN/MIN/261539/2022 Dt.13.3.2022)


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The proposal was placed for appraisal in this 278th SEAC Meeting held on 27.5.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for amendment in Environmental Clearance issued for the Sand quarry over an extent of 4.80.0 Ha in Vellaru river located at S.F.No: 158(p) Senthamangalam Village, Sendurai Taluk, Ariyalur District Tamil Nadu.c"B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
2. Earlier, the PP has obtained Environmental Clearance for the said proposal vide Lr.No.SEIAA-TN/F.No.7596/EC/1(a)/4377/2020 Dt. 9.10.2020 for the production quantity 48000 m³ of Sand in Vellaru river for the period of One Year from the date of execution of the mining lease, with the following condition among them
 - i. The mine working will be Manual
 - ii. The project proponent is allowed to engage bullock carts to transport the sand.
3. Now, the PP vide Lr No. DB/DO.1/F.23/33-m/2022 Date 11.02.2022, has requested that, *"As per the conditions contemplated in the Environmental Clearance, the Mechanism of mining operation is restricted to Manual and Transportation is restricted to Bullock carts. Due to Covid -19 Pandemic situation, the lease agreement for this Senthamangalam Village Sand quarry has not been executed. Now, the Tamil Nadu Govt has decided to resume the sand quarry operation to fulfil the State sand demand. But, expected demand for sand is much higher than the probable supply which could not be met out from the existing sand quarries of the state. Hence the rate of supply needs to be increased, to satisfy the huge demand from the public and Govt projects as well. This can be done through Machinery Loading and General Transport. Hence, it is requested that mining mechanism for Senthamangalam Village Sand quarry operation may please be amended as Machinery and Transportation mechanism as General (All Available mode of transport) at the earliest".*

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This proposal was placed before 262nd SEAC Meeting held on 8.4.2022. Based on the representation and documents furnished by the project proponent, SEAC noted that the PP has originally furnished the mining plan approved by the Directorate of Geology and Mining for the manual mining & transportation through bullock cart only and the Environmental Clearance was granted accordingly but it has not been executed by the PP. Hence SEAC decided that, the project proponent shall furnish the revised mining plan approved by the Directorate of Geology and Mining for their proposed mechanized mining operations with general transportation for further deliberations

Now the PP has furnished the revised mining plan, accordingly this proposal again been placed in 278th SEAC meeting held on 27.5.2022. The project proponent has made the representation based on the revised mining plan.

Based on the presentation & documents furnished by the PP, SEAC decided to recommend the proposal for grant of Environmental Clearance with semi mechanized mining operation & transportation through bullock cart, tractors & Tippers, subject to the following specific conditions in addition to the other conditions stipulated in 177th SEAC (vide Item no. 177-TA-03) meeting held on 22.7.2020.

1. The Condition No 21 imposed in the minutes of 177th SEAC (vide Item no. 177-TA-03) meeting held on 22.7.2020 is removed.
2. The mining operation shall be carried out as per the modified mining plan submitted to the SEAC/SEIAA.
3. The PP shall allocate 10% of total quantity of sand to be mined out and make it available exclusively for the requirements of local habitants located around the proposed quarry.
4. 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.

Agenda No: 278-25

(File No: 7597/2020)

Proposed Sand quarry over an extent of 4.80.0 Ha in Vellar River located at S.F.No: 158/1(p) Thalavai North Silippanur I Village, Sendurai Taluk, Ariyalur District,


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Tamil Nadu by the Executive Engineer, PWD/WRD– For amendment in Environmental Clearance. (SIA/TN/MIN/261489/2022 Dt.12.3.2022)

The proposal was placed for appraisal in this 278th SEAC Meeting held on 27.5.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for amendment in Environmental Clearance issued for the Sand quarry over an extent of 4.80.0 Ha in Vellar River located at S.F.No: 158/1(p) Thalavai North Silippanur I Village, Sendurai Taluk, Ariyalur District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. Earlier, the PP has obtained Environmental Clearance for the said proposal vide Lr.No.SEIAA-TN/F.No.7597/EC/1(a)/4378/2020, Dt.9.10.2020 and obtained amendment in village name vide Lr Dt. 25.2.2021 for the production quantity of 48000 m³ of Sand in Vellar River for the period of One Year from the date of execution of the mining lease, with the following condition among them
 - i. The mine working will be Manual
 - ii. The project proponent is allowed to engage bullock carts to transport the sand.
4. Now, the PP vide Lr No. DB/DO.1/F.23/29-M/Dt.11.2.2022, has requested that, *"As per the conditions contemplated in the Environmental Clearance, the Mechanism of mining operation is restricted to Manual and Transportation is restricted to Bullock carts . Due to Covid -19 Pandemic situation, the lease agreement for this Thalavai North Silippanur I Village Sand quarry has not been executed. Now, the Tamil Nadu Govt has decided to resume the sand quarry operation to fulfil the State sand demand. But, expected demand for sand is much higher than the probable supply which could not be met out from the existing sand quarries of the state. Hence the rate of supply needs to be increased, to satisfy the huge demand from the*


public and Govt projects as well. This can be done through Machinery Loading and General Transport. Hence, it is requested that mining mechanism for Thalavai North Silippanur I Village Sand quarry operation may please be amended as Machinery and Transportation mechanism as General (All Available mode of transport) at the earliest".

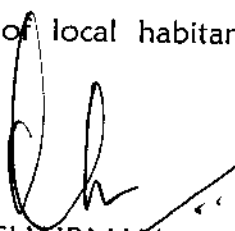
This proposal was placed before 262nd SEAC Meeting held on 8.4.2022. Based on the representation and documents furnished by the project proponent, SEAC noted that the PP has originally furnished the mining plan approved by the Directorate of Geology and Mining for the manual mining & transportation through bullock cart only and the Environmental Clearance was granted accordingly but it has not been executed by the PP. Hence SEAC decided that, the project proponent shall furnish the revised mining plan approved by the Directorate of Geology and Mining for their proposed mechanized mining operations with general transportation for further deliberations.

Now the PP has furnished the revised mining plan, accordingly this proposal again been placed in 278th SEAC meeting held on 27.5.2022. The project proponent has made the representation based on the revised mining plan.

Based on the presentation & documents furnished by the PP, SEAC decided to recommend the proposal for grant of Environmental Clearance with semi mechanized mining operation & transportation through bullock cart, tractors & Tippers, subject to the following specific conditions in addition to the other conditions stipulated in 177th SEAC (vide Item no. 177-TA-04) meeting held on 22.7.2020.

1. The Condition No 21 imposed in the minutes of 177th SEAC (vide Item no. 177-TA-04) meeting held on 22.7.2020 is removed.
2. The mining operation shall be carried out as per the modified mining plan submitted to the SEAC/SEIAA.
3. The PP shall allocate 10% of total quantity of sand to be mined out and make it available exclusively for the requirements of local habitants located around the proposed quarry.


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4. 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.

Agenda No: 278-26

(File No: 7070/2022)


Proposed Sand quarry lease over an extent of 4.00.0 Ha in S.F.No. 431(P) of Marthampatti Village, Vilathikulam Taluk, Thoothukudi District, Tamil Nadu by the Executive Engineer, Mining and Monitoring Division, Water Resource Department, Madurai for Environmental Clearance (SIA/TN/MIN/262886/2022 Dated 23.03.2022)

The proposal was placed for appraisal in this 278th SEAC Meeting held on 27.5.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

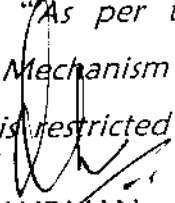
The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for amendment in Environmental Clearance issued for the Sand quarry over an extent of 4.00.0 Ha in S.F.No. 431(P) of Marthampatti Village, Vilathikulam Taluk, Thoothukudi District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. Earlier, the PP has obtained Environmental Clearance for the said proposal vide Lr.No.SEIAA-TN/F.No.7070/EC/1(a)/4315/2020 Dt. 3.9.2020 for the production quantity of 26001 m³ of Sand in Vaippar River for the period of two Year from the date of execution of the mining lease, with the following condition among them
 - i. The mine working will be Manual
 - ii. The project proponent is allowed to engage bullock carts to transport the sand.

Now, the PP vide Letter No.15m AE(T) / C.12-4/Marthandampatti/2022/Date14.02.2022 has requested that *"As per the conditions contemplated in the Environmental Clearance, the Mechanism of mining operation is restricted to Manual and Transportation is restricted to*


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Bullock carts. Due to covid-19 pandemic situation. The Lease Agreement for this Marthandampatti Sand quarry has not been executed.

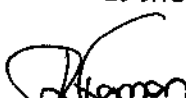
And now, The Tamil Nadu Government has decided to resume the Sand quarry operation to fulfil the state sand demand. But, expected demand for sand is much higher than the probable supply which could not be met out from the existing sand quarries of the state. Hence the rate of supply needs to be increased to satisfy the huge demand from the public and Government projects as well. This can only be done through Machinery Loading and General Transport.

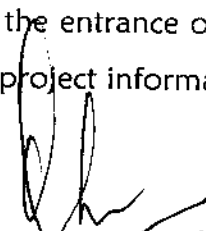
Hence it is requested that mining mechanism for Marthandampatti Sand quarry operation may please be amended as Machinery and Transportation mechanism as General (All available mode of Transport) at the earliest."

The PP has furnished the revised mining plan, accordingly this proposal has placed in 278th SEAC meeting held on 27.5.2022. The project proponent has made the representation based on the revised mining plan.

Based on the presentation & documents furnished by the PP, SEAC decided to recommend the proposal for grant of Environmental Clearance with semi mechanized mining operation & transportation through bullock cart, tractors & Tippers, subject to the following specific conditions in addition to the other conditions stipulated in 162nd SEAC (vide Item no. 162-18) meeting held on 1.7.2020.

1. The Condition No 21 imposed in the minutes of 162nd SEAC (vide Item no.162-18) meeting held on 1.7.2020 is removed.
2. The mining operation shall be carried out as per the modified mining plan submitted to the SEAC/SEIAA.
3. The PP shall allocate 10% of total quantity of sand to be mined out and make it available exclusively for the requirements of local habitants located around the proposed quarry.
4. 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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ANNEXURE - I

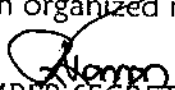
1. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
2. The proponent shall erect fencing all around the boundary of the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


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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, Tamil Nadu .
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 PP shall carryout the plantation as committed within one year after commencement of operation.
12. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
13. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted with 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


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14. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
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.


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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 MCDR 2017 and Tamil Nadu 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 (TNPCB) 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 if applicable, about the project as per Appendix –II of these minutes.
29. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A.No.186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).


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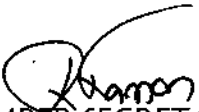
Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Acacia mangium</i>	Vilvam	வில்வம்
2	<i>Adenanthera pavonina</i>	Manjathi	மஞ்சாடி ஆனைக்குன்றுமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமர
9	<i>Borassus flabellifer</i>	Parai	பனை
10	<i>Entea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Borax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரங்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweetena</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Marjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvu	நருவளி
18	<i>Crotalaria adansoni</i>	Mavalingum	மாவினங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyros ebenum</i>	Karungali	கருங்காலி
22	<i>Diospyros schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kallitchi	கல் திச்சி
24	<i>Hibiscus tiliaceus</i>	Aatrupoovarasu	ஆற்றுப்பூவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
27	<i>Lamnia coromandelica</i>	Odhiam	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottamaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்லா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	அரம்பட்டி, பிச்சிப்படை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Mankara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambru	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வேளைனை நுணா
38	<i>Phacelia sylvestre</i>	Eachai	எச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்


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40	<i>Premna mollissima</i>	Mururai	முன்னை
41	<i>Premna serratifolia</i>	Narumunai	நறு முன்னை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூவரசு
43	<i>Prosopis cinerea</i>	Vannu maram	வன்னி மரம்
44	<i>Pterocarpus marsipium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வேண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	பலவு
47	<i>Puthranjiza roxburghii</i>	Karipala	கற்பலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manupungan, Soapukai	மணிப்புங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Pirav maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yethi	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தான் கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாண்டி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேண் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsura trifoliata</i>	valsura	வால்கரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலாலை
61	<i>Plithocellobium dulce</i>	Kodukkapuli	கோடுக்காப்புளி


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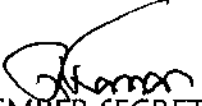

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Appendix-II
Display Board
(Size 6' x5' with Blue Background and White Letters)

-----சுரங்கம்

சுரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நியந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/-----, தேதியிடப்பட்டு, சுற்றுச்சூழல் அனுமதி _____ தேதி வரை செல்லத்தக்கதாக உள்ளது.

பசுமை பகுதி வளர்ச்சி மேம்பாட்டுக்கான சுரங்கத் திட்டம் நடப்பட்டு பராமரிக்கப்படவேண்டிய மரங்கள் எண்ணிக்கை.	குவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும் சுரங்கப்பாறையின் ஆழம் தரைமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். காற்றில் மாக ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும். வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் லாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும் இரைச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லையை சுற்றி அடர்த்தியான பசுமை பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுற்கள் பறக்காதவாரும் பாதுகாப்பு நடவடிக்கைகளை எண்ணிப்பாக செயல்படுத்தப்பட வேண்டும்.	சுரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டெசிபல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.
சுரங்க சட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு கூகாதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	கிராமம் அல்லது பஞ்சாபத்து வழியாக வாகனங்கள் செல்லும் சாலைகளை தொடர்ந்து நன்கு பராமரிக்க வேண்டும்.
சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.	நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.
சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பசுமைப்பகுதியை உருவாக்க வேண்டும்.	(முழுமையான நியந்தனைகளை அறிய பாரிவேஷ் (http://parivesh.nic.in) என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்கள்க்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டாா அலுவலகம்: 044 - 28223325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.


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