

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 290th Meeting of the State Expert Appraisal Committee (SEAC) held on 30th June 2022 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for Appraisal of Building Construction Projects & Mining Projects.

Agenda No: 290-01

(File No: 9141/2022)

Proposed Earth quarry lease over an extent of 1.21.5 Ha at S.F.No. 885/3B2 of Nenmeni Village, Sattur Taluk, Virudhunagar District, Tamil Nadu by Thiru. S.Sakthivel - For Environmental Clearance.

(SIA/TN/MIN/ 251293/2022 dated 13.01.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:


1. The Project Proponent, Thiru. S.Sakthivel has applied for Environmental Clearance for the proposed earth quarry lease over an extent of 1.21.5 Ha at S.F.No. 885/3B2 of Nenmeni Village, Sattur Taluk, Virudhunagar 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.

Based on the presentation and document furnished by the project proponent, SEAC decided to ask for the following additional details from the PP.

- (i) The project proponent shall submit registered land lease document.
- (ii) As the mined earth is meant for making bricks as stated by PP, PP shall submit an affidavit stating that the brick kiln will be set up within the site and there will be no transportation of earth outside of site.

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


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Agenda No: 290-02

(File No: 9142/2022)

Proposed Rough Stone and gravel quarry lease over an extent of 1.66.0 Ha at S.F.No. 333/1 of Endapuli Village, Virudhunagar Taluk, Virudhunagar District, Tamil Nadu by Thiru. V. Kamaraj - For Environmental Clearance.

(SIA/TN/MIN/ 263810/2022 dated 31.03.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. 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. V. Kamaraj has applied for Environmental Clearance for the proposed rough stone and gravel quarry lease over an extent of 1.66.0 Ha at S.F.No. 333/1 of Endapuli Village, Virudhunagar Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 10 years, the total quantity of recoverable should not exceed 94,790.25 cu.m of rough stone and 18,310.12 cu.m of gravel with an ultimate depth of mining is 14.5m below ground level. The annual peak production as per mining plan is 20,720.25 cu.m of rough stone & 4,121.25cu.m of gravel.

Based on the presentation and document furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for an annual peak production of 20,720.25 cu.m of rough stone & 4,121.25cu.m of gravel**, 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.


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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 PP shall ensure that only controlled blasting operation involving NONEL shock tube detonators and muffle blasting is carried out in the quarry such that no fly rock travel beyond 20 m from the blast site. The PP shall take adequate measures such as posting of sentries at the boundary of 500 m danger zone & either end of the State highway and installation of Board indicating the blasting time, before the blasting operation.
4. The PP shall lay and maintain a proper haul road connecting the state highway within one year of commencement of quarrying 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 to the EMP as committed.
6. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayath Union primary school, Chokalingapuram Village before obtaining CTO from TNPCB.

Agenda No: 290-03

(File No: 9145/2022)

Proposed Earth quarry lease over an extent of 2.41.0 Ha at S.F.No.121/1, 122/5, 122/7B and 122/8 of Rasingapuram Village, Bodinayakanur Taluk, Theni District, Tamil Nadu by Thiru. S.Maharajan - For Environmental Clearance.

(SIA/TN/MIN/ 264262/2022 dated 04.04.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. S.Maharajan has applied for Environmental Clearance for the proposed Earth quarry lease over an extent of 2.41.0 Ha at


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S.F.No. 121/1, 122/5, 122/7B and 122/8 of Rasingapuram Village, Bodinayakanur Taluk, Theni 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.

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 Jambalmedu Reserve Forest is located at a distance of 1.0 km (as per the DFO letter submitted by the PP) 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: 290-04

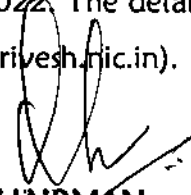
(File No: 9146/2022)

Proposed Earth quarry lease over an extent of 3.98.5 Ha at S.F.No. 255/2A1, 255/2A6, 256/1(P) and 257/2K of Thalaiyudaiyavar Kovil Pathu Village, Tharangambadi Taluk, Nagapattinam District, Tamil Nadu by Thiru. A.Balachanthiran - For Environmental Clearance.

(SIA/TN/MIN/ 265234/2022 dated 04.04.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. The details of the project furnished by the proponent are available in the website (parivesh.tn.nic.in).


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The SEAC noted the following:

1. The Project Proponent, Thiru. A.Balachanthiran has applied for Environmental Clearance for the proposed earth quarry lease over an extent of 3.98.5 Ha at S.F.No. 255/2A1, 255/2A6, 256/1(P) and 257/2K of Thalaiyudaiyavar Kovil Pathu Village, Tharangambadi Taluk, Nagapattinam 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.

Based on the presentation and document furnished by the project proponent, SEAC noted that the land is classified as "Nanjai land" meaning it is an agriculture land. Mining earth up to a depth of 2m will erode precious top soil and will be detrimental to the proposed site as well as to the nearby lands.

The Committee therefore, decided to not recommend the proposal.

Agenda No: 290-05

(File No: 9147/2022)

Proposed Earth quarry lease over an extent of 1.19.0 Ha at S.F.No. 1352 of Mottanuthu Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru. R.Murugan - for Environmental Clearance.

(SIA/TN/MIN/ 264324/2022 dated 04.04.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. 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. R.Murugan has applied has applied for Environmental Clearance for the proposed Earth quarry lease over an extent of 1.19.0 Ha at S.F.No. 1352 of Mottanuthu Village, Andipatti Taluk, Theni 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.


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Based on the presentation and document furnished by the project proponent, SEAC noted that Srivilliputhur Megamalai Tiger Reserve (SMTR) is located at a distance of 1.95 km. The Committee, therefore, **decided not to recommend the proposal.**

Agenda No: 290-06

(File No: 9148/2022)

Proposed Rough Stone and gravel quarry lease over an extent of 0.70.00 Ha at S.F.No. 112/3B & 112/11 of Agarappatti Village, Viralimalai Taluk, Pudukkottai District, Tamil Nadu by Thiru. K.Panneerselvam - for Environmental Clearance.

(SIA/TN/MIN/ 266044/2022 dated 05.04.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. 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.K.Panneerselvam has applied for Environmental Clearance for the proposed Rough stone and gravel quarry lease over an extent of 0.70.00 Ha at S.F.No. 112/3B & 112/11 of Agarappatti Village, Viralimalai Taluk, Pudukkottai 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.

Based on the presentation and document furnished by the project proponent, SEAC decided to ask for the following additional details from the PP.

- (i) The project proponent shall submit certified compliance report.
- (ii) The project site is 'L' shaped. The project proponent shall revise mining plan indicating the formation of benches of required dimensions of 5 m x5 m.

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

Agenda No: 290-07

(File No: 9149/2022)


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Proposed Rough Stone and gravel quarry lease over an extent of 1.68.0 Ha at S.F.No. 80/6A & 80/6B of Vittamapatti Village, Viralimalai Taluk, Pudukkottai District, Tamil Nadu by Thiru. A.Stanislaus yobu - for Environmental Clearance.

(SIA/TN/MIN/ 265878/2022 dated 04.04.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. 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.Stanislaus yobu has applied for Environmental Clearance for the proposed Rough stone and gravel quarry lease over an extent of 1.68.0 Ha at S.F.No. 80/6A & 80/6B of Vittamapatti Village, Viralimalai Taluk, Pudukkottai 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.

Based on the presentation and document furnished by the project proponent, SEAC decided to ask for the following additional details from the PP.

- (i) The project proponent shall submit certified compliance report.

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

Agenda No: 290-08

(File No: 9150/2022)

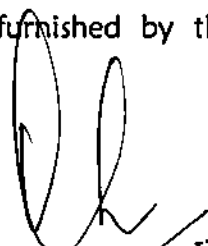
Proposed Rough Stone quarry lease over an extent of 1.00.0 Ha at S.F.No. 486/1(P) of Thorapalli Agraharam Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by Thiru. T.M.Gangadhar - for Environmental Clearance.

(SIA/TN/MIN/ 265608/2022 dated 02.04.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. 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.T.M.Gangadhar has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.00.0 Ha at S.F.No. 486/1(P) of Thorapalli Agraharam Village, Hosur Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

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 Kudisakkanapalli Reserve Forest is located at a distance of 50m 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: 290-09

(File No: 9151/2022)

Proposed Rough Stone and gravel quarry lease over an extent of 2.02.30 Ha at S.F.No. 49/2 & 50/2 of Bommepalli Village, Bargur Taluk, Pudukkottai District, Tamil Nadu by Thiru. R. Chinnasamy- For Environmental Clearance.

(SIA/TN/MIN/ 264863/2022 dated 04.04.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. 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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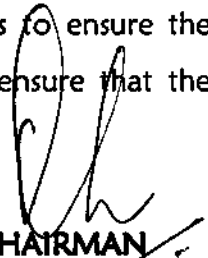

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1. The Project Proponent, Thiru.R.Chinnasamy has applied for Environmental Clearance for the proposed Rough stone and gravel quarry lease over an extent of 2.02.30 Ha at S.F.No. 49/2 & 50/2 of Bommepalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 5 years, the total quantity of recoverable should not exceed 2,55,388 cu.m of Rough Stone and 45,627 cu.m of gravel with an ultimate depth of mining is 31 m BGL (3m gravel + 28m Rough stone) .The annual peak production as per mining plan is 55,062 cu.m of rough stone & 9447 cu.m of gravel .

Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for an annual peak production quantity of 55,062 cu.m of rough stone & 9447 cu.m of gravel by maintaining the an ultimate depth of 31 m below ground level, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The mine manager and other statutory competent persons such as blaster / 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. Since the habitations are located at a distance of 600 m, the PP shall carry out the controlled blasting using jack hammer drilled holes (32-34 mm dia & 1.5 m length) and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation. The PP shall also ensure that the


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controlled blasting operation shall be carried in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 600 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting.

4. The PP 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 40 m, before obtaining CTO from TNPCB.
5. 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 40 m below ground level (or) during the 4th year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT-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.
6. Mitigating measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing a dedicated water sprinkler. Adequate corrective measures shall be undertaken to control dust emissions, which would include mechanized sweeping, water sprinkling/mist spraying on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, etc.
7. Thick green belt of adequate width at the final boundary in the down wind direction of the project site shall be developed to mitigate/check the dust pollution.
8. The PP shall include the Mine closure activities as an integral part to the whole life-of-mine plan and, also to protect the environment and public health & safety by using safe & responsible closure practices. The PP shall carry out the Progressive closure activities from the commencement of mining operation as provided in their EMP and it shall be reviewed by the concerned DEE/TNPCB (or) AD (Mines) annually.


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9. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
10. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Govt. Primary School, Pommepalli Panchayat before obtaining CTO from TNPCB.

Agenda No: 290-10

(File No: 9153/2022)

Proposed Rough Stone and gravel quarry lease over an extent of 1.10.50 Ha at S.F.No. 242/1A2, 242/1B2, 242/1B3 of Sengundrapuram Village, Viruthunagar Taluk, Viruthunagar District, Tamil Nadu by Tmt. P.Yokamatha - for Environmental Clearance. (SIA/TN/MIN/ 265547/2022 dated 04.04.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. 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.Yokamatha has applied for Environmental Clearance for the proposed Rough stone and gravel quarry lease over an extent of 1.10.50 Ha at S.F.No. 242/1A2, 242/1B2, 242/1B3 of Sengundrapuram Village, Viruthunagar Taluk, Viruthunagar 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.

Based on the presentation and document furnished by the project proponent, SEAC noted that a fireworks unit is located at a distance of 220m from the project site. The Committee, therefore, **decided not to recommend the proposal.**

Agenda No: 290-11

(File No: 9155/2022)


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Proposed rough Stone quarry lease over an extent of 2.00.0 Ha at S.F.No. 560 & 563 (P) of Nagamangalam Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Thiru. N.Narayanan - For Environmental Clearance.

(SIA/TN/MIN/262354/2022 dated 17.03.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. 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.N.Narayanan has applied for Environmental Clearance for the proposed rough stone quarry lease over an extent of 2.00.0 Ha at S.F.No. 560 & 563 (P) of Nagamangalam Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification,2006.
3. As per mining plan, the lease period is for 10 years,the total quantity of recoverable should not exceed 7,25,985 cu.m of rough Stone with an ultimate depth of mining is 56m above ground level. The annual peak production as per mining plan is 1,54,035cu.m of rough stone.

Based on the presentation and document furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance** for an annual peak production of 1,54,035 cu.m of rough stone for a depth of 56 m above ground level, subject to the standard conditions as per the **Annexure** of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.


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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 PP 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 from top to downwards as the depth of the proposed quarry is exceeding 40 m above ground level, before obtaining CTO from TNPCB.
4. 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 40 m above ground level (or) at the end of 5th year, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT-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.
5. The PP shall ensure that only controlled blasting operation involving NONEL shock tube initiation system and muffle blasting is carried out in the quarry such that no fly rock travel beyond 20 m from the blast site.
6. Mitigating measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing a dedicated water sprinkler. Adequate corrective measures shall be undertaken to control dust emissions, which would include mechanized sweeping, water sprinkling/mist spraying on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, etc.
7. Thick green belt of adequate width at the final boundary in the down wind direction of the project site shall be developed to mitigate/check the dust pollution.
8. The PP shall include the Mine closure activities as an integral part to the whole life-of-mine plan and, also to protect the environment and public health & safety by using safe & responsible closure practices. The PP shall carry out the Progressive closure activities from the commencement of mining operation as provided in their


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EMP and it shall be reviewed by the concerned DEE/TNPCB (or) AD (Mines) annually.

9. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
10. Since Cauvery wild life sanctuary is located at a distance of 5km, the project proponent shall deposit 5lakhs to Wild Life Warden, Hosur (CER excluded).

Agenda No: 290-12

(File No: 9157/2022)

Proposed Rough Stone and gravel quarry lease over an extent of 3.00.0Ha at S.F.No. 16/1 (P) & 23/3 (P) of Munnur Village, Pugalur Taluk, Karur District, Tamil Nadu by M/s.V.R.G. Blue Metal - For Environmental Clearance.

(SIA/TN/MIN/ 266524/2022 dated 07.04.2022).

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. 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, M/s. V.R.G. Blue Metal has applied for Environmental Clearance for the proposed rough stone and gravel quarry lease over an extent of 3.00.0 Ha at S.F.No. 16/1 (P) & 23/3 (P) of Munnur Village, Pugalur Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification,2006.
3. As per mining plan, the lease period is for 10 years, the total quantity of recoverable should not exceed 4,25,125 cu.m of rough Stone & 49,750 of gravel with an ultimate depth of mining is 25m below ground level. The annual peak production as per mining plan is 87,750cu.m of rough stone & 17,250cu.m of gravel.

Based on the presentation and document furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance** for an


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annual peak production of 87,750cu.m of rough stone & 17,250cu.m of gravel by maintaining ultimate depth of 25 m below ground level, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
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 carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.450 kg/round using jack hammer drilled holes (32-34 mm dia & 1.5 m length) 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 ensure that only controlled blasting operation involving NONEL shock tube initiation system and muffle blasting is carried out in the quarry such that no fly rock travel beyond 20 m from the blast site.
5. Mitigating measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing a dedicated water sprinkler. Adequate corrective measures shall be undertaken to control dust emissions, which would include mechanized sweeping, water sprinkling/mist spraying on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, etc.
6. Thick green belt of adequate width at the final boundary in the down wind direction of the project site shall be developed to mitigate/check the dust pollution.


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7. The PP shall include the Mine closure activities as an integral part to the whole life-of-mine plan and, also to protect the environment and public health & safety by using safe & responsible closure practices. The PP shall carry out the Progressive closure activities from the commencement of mining operation as provided in their EMP and it shall be reviewed by the concerned DEE/TNPCB (or) AD (Mines) annually.
8. The PP shall take appropriate steps to implement the amalgamation of the neighbouring quarry after obtaining the CTO from TNPCB by obtaining the statutory permissions from the Director of Mines Safety, Chennai Region.
9. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
10. As accepted by the Project Proponent the CER cost is Rs. 5.3 lakhs and the amount shall be spent to the committed activities for Govt. Middle School, Atthipalayam Village before obtaining CTO from TNPCB.

Agenda No: 290-13

(File No: 9161/2022)

Proposed Savudu quarry lease over an extent of 1.05.5 Ha at S.F.No. 367(P) of Ervadi Village, Keelakarai Taluk, Ramanathapuram District, Tamil Nadu by Thiru. M.Nagarethinam - for Environmental Clearance.

(SIA/TN/MIN/ 264544/2022 dated 01.04.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. 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. M.Nagarethinam has applied for Environmental Clearance for the proposed Savudu quarry lease over an extent of 1.05.5 Ha at S.F.No. 367(P) of Ervadi Village, Keelakarai Taluk, Ramanathapuram District, Tamil Nadu.


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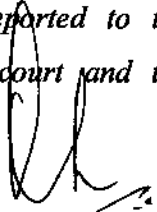

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2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this judgment, the Hon'ble High Court was examining the legality of mining permits or license given by the Government for removal of minor minerals in the name of "Savudu" and other colloquial terminologies and issued the following directions.

- i. *There shall not be any grant of quarry lease without ascertaining the composition/component of the minerals and without obtaining the report from authorized lab. The Dept of Geology and Mining shall establish a lab on its own or shall authorize any lab in this regard.*
- ii. *There shall not be any quarry operation in the name of colloquial terms/local terms and any lease shall be in accordance with minerals notified under section 3 (e) of the MMDR Act.*
- iii. *A high-level committee has to be constituted, consisting of Geologists and Experts in the said field and eminent Officers from WRO, PWD to conduct a detailed study/survey on the possibility or the availability of the river sand on the adjacent patta lands to the rivers and those places, where sand is available, have to be notified and declared as protected zones and there cannot be any quarry operation other than by the Government, in those notified areas.*
- iv. *The department of Geology and Mining, shall furnish the details of all the Savudu quarries granted so far, in the state of Tamil Nadu, to this court, within a period of eight weeks from the date of receipt of a copy of this order.*
- v. *The details of all the savudu quarries shall also be furnished to the High Level Committee and High Level Committee shall inspect those quarries to ascertain the availability of sand in those quarries. In the event of High Level Committee ascertaining the availability of sand in these quarries, the same shall be reported to the Commissioner of Geology and Mining, marking a copy to this court and the*


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Commissioner shall take necessary action as against the officials, who have granted quarry permits without ascertaining the composition of minerals.

- vi. *Any quarry operations shall be permitted only by way of lease agreement, as per Article 299(1) of constitution of India.*
- vii. *The Government shall either adopt the Mineral Conservation Rules, 2017, framed by the Central Government or frame a separate Rule, as directed by the Hon'ble Supreme court in Deepak Kumar's case, within a period of six months from the date of receipt of a copy of this order.*
- viii. *Whenever, SELAA clearance is required, it shall be done only physical inspection by deputing an officer attached to SEIAA and depending upon the report further proceedings may take place in accordance with law and there must be a mechanism to ensure the conditions of SELAA are strictly complied with.*

Acting on the above Judgment, 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:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
- No permission shall be granted for quarrying gravel, Earth, etc., in patta land for a period less than one year.
- 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** due to following reasons.

1. The Permit/license has been issued for quarrying "Savudu" and therefore covered by the Judgment. "Savudu" is not among the list of minor minerals defined under


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Sec. 3(e) of the Mines and Minerals (Development and Regulation) Act 1957, read along with the relevant Rules.

2. The composition/component of the minerals proposed to be quarried has not been tested in any laboratories authorized by Dept of Geology & Mining as directed in the above Judgment.
3. The proponent has not produced letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.

Agenda No: 290-14

(File No: 9163/2022)

Proposed Rough Stone and gravel quarry lease over an extent of 4.86.0 Ha at S.F.Nos. 279/6, 279/7, 279/8A, 279/8B, 279/8C, 279/9, 279/10, 279/11, 279/12, 279/13, 280/7, 281/1B, 287/4A, 287/4B, 287/5, 287/6, 287/7A, 287/7B, 287/8, 282/8 & 282/9 of Puliyan Village, Aruppukkottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. B.Murugan - For Environmental Clearance.

(SIA/TN/MIN/ 265841/2022 dated 06.04.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. 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. B.Murugan has applied for Environmental Clearance for the proposed rough stone and gravel quarry lease over an extent of 4.86.0 Ha at S.F.Nos. 279/6, 279/7, 279/8A, 279/8B, 279/8C, 279/9, 279/10, 279/11, 279/12, 279/13, 280/7, 281/1B, 287/4A, 287/4B, 287/5, 287/6, 287/7A, 287/7B, 287/8, 282/8 & 282/9 of Puliyan Village, Aruppukkottai Taluk, Virudhunagar 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.



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3. As per mining plan, the lease period is for 10 years, the total quantity of recoverable should not exceed 4,51,325cu.m of rough Stone, 69,338cu.m of Weathered rock and 74,060cu.m of gravel with an ultimate depth of mining is 39m below ground level. The annual peak production as per mining plan is 1,13,600cu.m of rough stone & 27,666cu.m of gravel.

Based on the presentation and document furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance** for an annual peak production of 1,13,600 cu.m of rough stone & 27,666cu.m of gravel by maintaining the depth of 39m below ground level, subject to the standard conditions as per the **Annexure** of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
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 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 below ground level, before obtaining CTO from TNPCB.
4. The PP shall ensure that only controlled blasting operation involving NONEL shock tube initiation system and muffle blasting is carried out in the quarry such that no fly rock travel beyond 20 m from the blast site.
5. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.450 kg/round using jack hammer


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drilled holes (32-34 mm dia & 1.5 m length) to ensure the environmentally acceptable blasting operation. The PP shall also ensure an interval of at least 30 minutes is maintained between these rounds of blast.

6. Mitigating measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing a dedicated water sprinkler. Adequate corrective measures shall be undertaken to control dust emissions, which would include mechanized sweeping, water sprinkling/mist spraying on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, etc.
7. Thick green belt of adequate width at the final boundary in the down wind direction of the project site shall be developed to mitigate/check the dust pollution.
8. The PP shall include the Mine closure activities as an integral part to the whole life-of-mine plan and, also to protect the environment and public health & safety by using safe & responsible closure practices. The PP shall carry out the Progressive closure activities from the commencement of mining operation as provided in their EMP and it shall be reviewed by the concerned DEE/TNPCB (or) AD (Mines) annually.
9. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
10. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchyat Union School, Thenpalai, Village, Virudhunagar District before obtaining CTO from TNPCB.

Agenda No: 290-15

(File No: 9165/2022)

Proposed Rough Stone and gravel quarry lease over an extent of 2.02.0 Ha at S.F.Nos. 16/1, 17/6, 17/12 & 18/3A of Arriyur Village, Illupur Taluk, Pudukkottai District, Tamil Nadu by Thiru. Beer Mohamed Risha - for Environmental Clearance.


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(SIA/TN/MIN/ 263880/2022 dated 07.04.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. 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. Beer Mohamed Risha has applied for Environmental Clearance for the proposed rough stone and gravel quarry lease over an extent of 2.02.0 Ha at S.F.Nos. 16/1, 17/6, 17/12 & 18/3A of Arriyur Village, Illupur Taluk, Pudukkottai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 5 years, the total quantity of recoverable should not exceed 90,980 cu.m. of Rough Stone and 17,836 cu.m. of gravel with an ultimate depth of mining is 22m (2m gravel + 20m Rough stone). The annual peak production as per mining plan is 18,870cu.m of rough stone & 8244cu.m of gravel.

Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total quantity of not exceeding 83,670 cu.m of Rough Stone [restricting the quantity as per safety parameters] and 17,836 cu.m of gravel by maintaining an ultimate depth of mining of 17m (2m gravel + 15m Rough stone) below ground level with an annual peak production of 44,375cu.m of rough stone & 8244cu.m of gravel, 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:

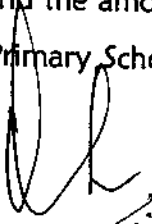
1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.


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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 Metalliferrous Mines Regulations, 1961.
3. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.400 kg/round using jack hammer drilled holes (32-34 mm dia & 1.5 m length) 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. Mitigating measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing a dedicated water sprinkler. Adequate corrective measures shall be undertaken to control dust emissions, which would include water sprinkling/mist spraying on haul roads and loading sites, wind barrier wall and vertical greenery system, green belt, etc.
5. Thick green belt of adequate width at the final boundary in the down wind direction of the project site shall be developed to mitigate/check the dust pollution.
6. The PP shall include the Mine closure activities as an integral part to the whole life-of-mine plan and, also to protect the environment and public health & safety by using safe & responsible closure practices. The PP shall carry out the Progressive closure activities from the commencement of mining operation as provided in their EMP and it shall be reviewed by the concerned DEE/TNPCB (or) AD (Mines) annually.
7. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
8. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayath Union Primary School, Ariyur before obtaining CTO from TNPCB.


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Agenda No: 290-16

(File No: 9203/2022)

Proposed construction of additional amenities Building in S. No. 147/1, 147/3, 147/5, 218/2A, 218/2C, 215/1B, 201/2, 203/1A, 203/1C, 135/1A, 135/4B, 487/2, 430/1, 430/3, 431/1, 435/2, 436/1, 438/1, 440/1, 440/8, 489,180,181,182/2A, 200/1, 200/3, 32/4, 388/1A, 388/1B, 135/1C1,135/1C39, 454/2, 455/2, 456/2 of Tiruchendur Village, Tiruchendur Taluk, Thoothukudi District, Tamil Nadu by Arulmigu Subramaniya Swamy Thirukoil - For Environmental Clearance.

(SIA/TN/MIN/267656/2022 dated 13.04.2022)

The proposal was placed in this 290th Meeting of SEAC held on 30.06.2022. 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, Arulmigu Subramaniya Swamy Thirukoil has applied for Environmental Clearance for the proposed construction of additional amenities Building in S. No. 147/1, 147/3, 147/5, 218/2A, 218/2C, 215/1B, 201/2, 203/1A, 203/1C, 135/1A, 135/4B, 487/2, 430/1, 430/3, 431/1, 435/2, 436/1, 438/1, 440/1, 440/8, 489,180,181,182/2A, 200/1, 200/3, 32/4, 388/1A, 388/1B, 135/1C1,135/1C39, 454/2, 455/2, 456/2 of Tiruchendur Village, Tiruchendur Taluk, Thoothukudi District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction project" of the Schedule to the EIA Notification, 2006.
3. Total land area available is 271313.39 Sqm.
4. The built-up area is 65,147.78 Sqm.
5. The project lies in CRZ IA – Existing Archaeological & Heritage Sites, CRZ II – Existing amenities building & Proposed additional amenities building as per CRZ Notification 2011.
6. The PP has applied for the CRZ clearance from TNCZMA. The district committee has recommended the proposal vide meeting held on 27.05.2022. The proposal is yet to be placed in State Committee.


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

1. The project proponent shall provide sewage treatment plant of 750KLD capacity as committed and shall continuously operate and maintain the same to achieve the standards prescribed by the TNPCB/CPCB. The HCL shall construct STP and shall maintain the plant forever in the temple.
2. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development and no treated water shall be let out of the premise into sea.
3. The sludge generated from the sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
4. The project proponent shall furnish CRZ clearance from TNCZMA before obtaining CTO from TNPCB.
5. The project proponent shall maintain green belt of 34% as committed.
6. The proponent shall provide Bio-methanation plant within project site for bio-degradable waste and shall dispose the non- Biodegradable waste to authorized recyclers as committed.
7. The PP shall re-establish Nandhavanam in the temple by planting kadambavanam trees.
8. The height of the stacks of DG sets shall be provided as per the CPCB norms.
9. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to TNPCB before obtaining CTO.
10. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.


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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 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.
13. The unit shall ensure the compliance of land use classification fit for construction.
14. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the pubic usage and as committed.
15. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
16. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
17. No waste of any type to be disposed off in any other way other than the approved one.
18. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, sewage treatment & disposal etc., shall be followed strictly.
19. The project proponent shall furnish commitment for post-COVID health


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management for construction workers as per ICMR and MHA or the State Government guidelines.

20. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
21. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
22. The PP shall ensure 50% of roof area shall be covered with solar panels. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
23. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall adhere the EMP as committed.
24. As accepted by the Project Proponent an amount of Rs.20 lakhs shall be deposited to DFO, Ramanathapuram for seasonal turtle breeding in Gulf of Mannar.
25. As accepted by the Project Proponent the CER cost is Rs.70 lakhs and the amount shall be spent for the committed activities to Government Boys Higher Secondary School, Thiruchendur before obtaining CTO from TNPCB.

Agenda No: 290-TA-01

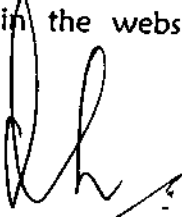
(File No: 9004/2022)

Proposed Rough stone quarry project over an extent of 1.20.0 Ha in S.F.No. 761/1 (P) at Mallapadi Village , Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. G.A.Muthu - For Environmental Clearance.

(SIA/TN/MIN/255562/2022 dated: 08.02.2022)

The proposal was placed for appraisal in 280th meeting of SEAC held on 02.06.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).


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The SEAC noted the following:

1. The project proponent, Thiru. G.A.Muthu has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.20.0 ha at S.F.No. 761/1 (P) of Mallapadi Village , Krishnagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. The lease period is for 10 years. As per mining plan, the total quantity of recoverable should not exceed 1,87,545 m³ of Rough Stone with an ultimate depth of mining is 31m (11m agl + 20m bgl). The annual peak production as per mining plan is 44,955cu.m of rough stone.

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to make an onsite inspection by the sub-committee constituted by the SEAC to assess the present status of the proposed project, environmental settings and bio-diversity.

The Sub-Committee of SEAC visited the project site on 08.06.2022 (Wednesday) to collect the factual information and took photographs of the salient features of the site to get the first-hand information of the site. The Sub-Committee inspection report was placed in this 290th Meeting of SEAC held on 30.06.2022 and the observations of the Sub-committee are as follows.

Observations Made by the Sub-Committee:

| | |
|----|--|
| 1. | This is a virgin quarry and applied for fresh lease to the extent of 1.20 Ha in the Government Poromboke land. It is an already quarried site on one side by a different proponent. |
| | The present proposal seeks Environmental clearance for the adjacent site abetting the earlier quarried site. |
| 2. | Even though the validity of the lease period is 10 years, the scheme of mining has been prepared for the first five year of quarry operation as a part of Mining Plan which was approved by the concerned AD (Geology & Mining). |


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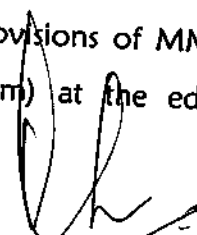
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|----|--|
| 3. | As per the approved Mining Plan, the quarry is planned to produce the rough stone of 1,87,545 cu.m and top soil of 10,830 cu.m above ground for the initial five years. |
| | The proposed site is a hill located between 12.51249 Latitude and 78.356404 Longitude. There is a kacha road leading to the quarry. |
| | The hill on the opposite side also has been quarried on one side. However, it has clearly shown that these quarries have not followed any safety measures. |
| 4. | There is a habitation located at a distance of 350m. Hence the PP shall adopt the controlled blasting techniques using NONEL shock tube (or) Electronic detonators with muffle blasting techniques such that no fly rock travels beyond 10 m. |
| 5. | The proposed site is surround by various reserve Forests and the nearest RF is Barugur RF located at a distance of 3.5 km. |
| 6. | There is temple located at the foothill of the adjacent hill at a distance of 500m and the people occasionally come to the temple during any festive seasons and for family worships |
| 7. | It was also noted that the site is dominated by trees of Albizia amara (Usilai/Thurinji). The entire surrounding hills are also covered with the same species. . |

Recommendations by sub-committee:

The Subcommittee observed that,

1. The aforesaid site has been opened up already and hence the quarrying operation in the proposed site will not affect any new environmental settings.
2. The PP shall initially construct the haul road following the provisions of MMR 1961 by maintaining proper gradient and safety bunds (berm) at the edge


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particularly on the valley side at a height equivalent to the wheel diameter of trucks/dumpers.

3. It is also recommended to carry out the quarrying operations from top to downwards in the hillock by keeping the benches of adequate dimension intact such that the stability of slope is ensured at all the time.
4. It is recommended that the loose boulders, rock fragments existing at the tope of the proposed quarry site shall be removed to provide safe environment for the quarrying operations.
5. Since there is a Habitation at a distance of 350m, the PP shall adopt the controlled blasting techniques using NONEL shock tube (or) Electronic detonators with muffle blasting techniques such that no fly rock travels beyond 10 m.
6. It has been observed that since this proposed quarrying necessitates safe operation, the PP shall appoint the statutory Mines Manager possessing I Class or II Class certificate of competency issued under MMR'1961 and the other 5 competent persons such as Mine Foreman/Mine Mate, Blaster under the provisions of Mines Act, 1952 without fail.
7. It is recommended that the proponent shall leave at least 1.5m width of the existing green cover of Albizia amara trees intact as part of Green Belt. Where gaps exist, can be filled with planting of the same species as this seems to be the most suitable species for the proposed area. No other green belt planting is needed and hence not recommended.
8. The proponent is directed to raise 500 saplings of Albizia amara and hand them over to the DFO Krishnagiri for public distribution/planting.

Based on the presentation and document furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance**, for an **annual peak production of 44,955cu.m of rough stone by maintaining the depth of 31m**, 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:


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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 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 carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.400 kg/round using jack hammer drilled holes (32-34 mm dia & 1.5 m length) to ensure the environmentally acceptable blasting operation. The PP shall also ensure an interval of at least 30 minutes is maintained between these rounds of blast.
4. The PP shall initially construct the haul road following the provisions of MMR 1961 by maintaining proper gradient and safety bunds (berm) at the edge particularly on the valley side at a height equivalent to the wheel diameter of trucks/dumpers.
5. It is also recommended to carry out the quarrying operations from top to downwards in the hillock by keeping the benches of adequate dimension intact such that the stability of slope is ensured at all the time.
6. It is recommended that the loose boulders, rock fragments existing at the top of the proposed quarry site shall be removed to provide safe environment for the quarrying operations.
7. It is recommended that the proponent shall leave at least 1.5m width of the existing green cover of Albizia amara trees intact as part of Green Belt, Where gaps exist, can be filled with planting of the same species as this seems to be the most suitable species for the proposed area. No other green belt planting is needed and hence not recommended.


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8. The proponent is directed to raise 500 saplings of Albizia amara and hand them over to the DFO Krishnagiri for public distribution/planting.
9. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
10. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayat Union Primary School, Gundalagunda before obtaining CTO from TNPCB.


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ANNEXURE

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

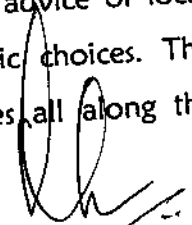

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surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.

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


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

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


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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


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- be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
24. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
25. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
26. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the **Appendix -II** of this minute.
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>Aegle marmelos</i> | Vilvam | வில்வம் |
| 2 | <i>Adenanthura pavonina</i> | Manjadi | மஞ்சாடி, ஆனைக்குன்றிமணி |
| 3 | <i>Albizia lebbek</i> | Vaagai | வாகை |
| 4 | <i>Albizia amara</i> | Usil | உசில் |
| 5 | <i>Bauhinia purpurea</i> | Mantharai | மந்தாரை |
| 6 | <i>Bauhinia racemosa</i> | Aathi | ஆத்தி |
| 7 | <i>Bauhinia tomentos</i> | Iruvathi | இருவாத்தி |
| 8 | <i>Buchanania axillaris</i> | Kattuma | காட்டுமர |
| 9 | <i>Borassus flabellifer</i> | Panai | பனை |
| 10 | <i>Butea monosperma</i> | Murukkamaram | முருக்கமரம் |
| 11 | <i>Bobax ceiba</i> | Ilavu, Sevvilavu | இலவு |
| 12 | <i>Calophyllum inophyllum</i> | Punnai | புன்னை |
| 13 | <i>Cassia fistula</i> | Sarakondrai | சரக்கொன்றை |
| 14 | <i>Cassia roxburghii</i> | Sengondrai | செங்கொன்றை |
| 15 | <i>Chloroxylon swietenia</i> | Purasamaram | புரச மரம் |
| 16 | <i>Cochlospermum religiosum</i> | Kongu, Manjaillavu | கோங்கு, மஞ்சள் இலவு |
| 17 | <i>Cordia dichotoma</i> | Naruvoli | நருவலி. |
| 18 | <i>Cretosa adansonii</i> | Mavalingum | மாவிலங்கம் |
| 19 | <i>Dillenia indica</i> | Uva, Uzha | உசா |
| 20 | <i>Dillenia pentagyna</i> | SiruUva, Sitruzha | சிறு உசா |
| 21 | <i>Diospyro seberum</i> | Karungali | கருங்காலி |
| 22 | <i>Diospyro schloroxylon</i> | Vaganai | வாகனை |
| 23 | <i>Ficus amplissima</i> | Kallitchi | கல் இச்சி |
| 24 | <i>Hibiscus tiliaceou</i> | Aatrupoovarasu | அத்தரப்புவரசு |
| 25 | <i>Hardwickia binata</i> | Aacha | ஆச்சா |
| 26 | <i>Holoptelia integrifolia</i> | Aayili | ஆயா மரம், ஆயிலி |
| 27 | <i>Lanea coromandelica</i> | Odham | ஒதயம் |
| 28 | <i>Lagerstroemia speciosa</i> | Poo Marudhu | பூ மருது |
| 29 | <i>Lepisanthus tetraphylla</i> | Neikottaimaram | நெய் கொட்டை மரம் |
| 30 | <i>Limonia acidissima</i> | Vila maram | வில்வ மரம் |
| 31 | <i>Litsea glutinos</i> | Pisinpattai | அரும்பு பிசின்பட்டை |
| 32 | <i>Madhuca longifolia</i> | Illuppai | இலுப்பை |
| 33 | <i>Manilkara hexandra</i> | UlakkaiPaalai | உலக்கை பாலை |
| 34 | <i>Mimusops elengi</i> | Magizhamaram | மகிழ்மரம் |
| 35 | <i>Mitragyna parvifolia</i> | Kadambu | கடம்பு |
| 36 | <i>Morinda pubescens</i> | Nuna | நுனை |
| 37 | <i>Morinda citrifolia</i> | Vellai Nuna | வெள்ளை நுனை |
| 38 | <i>Phoenix sylvestre</i> | Eachai | ஈச்சமரம் |
| 39 | <i>Pongamia pinnat</i> | Pungam | புங்கம் |

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|----|--------------------------------|----------------------|--------------------------|
| 40 | <i>Premna mollissima</i> | Munnai | முன்னை |
| 41 | <i>Premna serratifolia</i> | Narumunnai | நறு முன்னை |
| 42 | <i>Premna tomentosa</i> | Malaipoovarasu | மலை பூவரசு |
| 43 | <i>Prosopis cinerea</i> | Vanni maram | வன்னி மரம் |
| 44 | <i>Pterocarpus marsupium</i> | Vengai | வேங்கை |
| 45 | <i>Pterospermum canescens</i> | Vennangu, Tada | வேண்ணங்கு |
| 46 | <i>Pterospermum xylocarpum</i> | Polavu | புலவு |
| 47 | <i>Puthranjiva roxburghii</i> | Karipala | கரிபலா |
| 48 | <i>Salvadora persica</i> | Ugaa Maram | ஊகா மரம் |
| 49 | <i>Sapindus emarginatus</i> | Manipungan, Soapukai | மணிப்புண்டன் சோபுகாய் |
| 50 | <i>Saraca asoca</i> | Asoca | அசோகா |
| 51 | <i>Streblus asper</i> | Piray maram | பிராய் மரம் |
| 52 | <i>Strychnos nuxvomica</i> | Yetti | எட்டி |
| 53 | <i>Strychnos potatorum</i> | Therthang Kottai | தேத்தான் கொட்டை |
| 54 | <i>Syzygium cumini</i> | Naval | நாவல் |
| 55 | <i>Terminalia belleric</i> | Thandri | தாண்ட்ரி |
| 56 | <i>Terminalia arjuna</i> | Ven marudhu | வென் மருது |
| 57 | <i>Toona ciliata</i> | Sandhana vembu | சந்தன வேம்பு |
| 58 | <i>Thespesia populnea</i> | Puvarasu | பூவரசு |
| 59 | <i>Walsuratrifoliata</i> | valsura | வால்கரா |
| 60 | <i>Wrightia tinctoria</i> | Veppalai | வேப்பாலை |
| 61 | <i>Pithecellobium dulce</i> | Kodukkapuli | கொடுக்கப்பூரி |


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Appendix -II

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

காரங்கம்

காங்கங்களில் சுவாமி செயல்பாடுகளுக்கான கற்றுத்தழல் அனுமதி கீழ்க்கண்ட இடத்தளைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEAY, தேதி உட்பட்டு, கற்றுத்தழல் அனுமதி தேதி வரை செல்லத்தக்கதாக உள்ளது.

| | |
|---|--|
| பகமை பகுதி வளர்ச்சி | சுவாமிநின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும் |
| மேம்பாட்டுக்கான கருங்கத் திட்டம் | காங்கப்பாளையின் ஆழம் தளமாட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். |
| | காற்றில் மாக ஏற்படாதவாறு காங்க பணிகளை மேற்கொள்ள வேண்டும். |
| | வாகணங்கன் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். |
| நட்பு உட்பட்டு | இளஞ்சல் அளவையும் தூசி மாகபட்டையும் சூறையாதற்காக சுவாமிநின் எல்லையை சுற்றி அடத்திலான பகமை பகுதியை ஏற்படுத்த வேண்டும். |
| புறாமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை: | கற்று அடத்திலான பகமை பகுதியை ஏற்படுத்த வேண்டும். |
| | காங்கத்தில் வெடி வைக்கும்பொழுது திடஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் கற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உண்டிப்பாக செயல்படுத்தப்பட வேண்டும். |
| | காங்கத்தில் இருந்து ஏற்படும் இளஞ்சல் அளவு 85 டெசிபல்ஸ் (85A) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும். |
| | காங்க சட்ட விதிகள் 1955ன் கீழ் காங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு ககாதாறுமுள்ள சுழிப்பறை வாதிகளை செய்வு தர வேண்டும். |
| | கிராமம் அல்லது பஞ்சாயத்து வறியாக வாகணங்கன் செல்லும் சாலைவைய தொடர்ந்து தன்கு புறாமரிக்க வேண்டும். |
| | காங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்திலைகள் பாதிக்கப்படக் கூடாது. |
| | தீர்திலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்தும் வாகையில் நிலத்தடி தீர்த் தகத்தினை தொடர்ந்து கண்காணிக்க வேண்டும். |
| | காங்கத்திலிருந்து கலிம் பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் தீராமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் கற்றுத்தழல் பாதிக்கவாத வண்ணம் வாகணங்களை இயக்க வேண்டும். |
| | காங்கப்பணிகள் முடிக்கப்பட்டவுடன் காங்கமூடல் திட்டத்தில் உள்ளவாறு காங்கத்தினை மூட வேண்டும். |
| | காங்க நடவடிக்கைகளை முடித்தபின்னர் காங்கப் பகுதி மற்றும் காங்க நடவடிக்கைகளால் இடைபூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்வு தரவாங்கன் விவங்குகள் ஆலிபவற்றின் வளர்ச்சிக்கு ஏற்ற வாகையில் பகமைப்பகுதியை உருவாக்க வேண்டும். |
| | முழுமையான திட்டத்தைகளை அறிப யாரிவேஷ் (http://parivesh.nic.in) என்சிற இணையதளத்தைப் பார்வைபிடவும். மேலும் எந்தவித கற்றுத்தழல் சார்ந்த புளர்களுக்கு சென்னையில் உள்ள கற்றுத்தழல் மற்றும் வாக அமைச்சகத்தின் ஒருக்கிணைத்த வட்டபா அலுவலகம்: 044 - 28227325 (அல்லது) துரித்தோடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட கற்றுத்தழல் பெறுபாளரை அனுலகவும். |

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