

State Expert Appraisal Committee (SEAC)

Minutes of 371st meeting of the State Expert Appraisal Committee (SEAC) held on 26.04.2023(Wednesday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects

Agenda No: 371 - 01


(File No: 8637/2021)

Proposed Multi-Colour Granite Quarry over an extent of 2.95.5 Ha in SF.No. 270/1(P), 271/A1A(P) & 278/1(P) at K.Pitchampatti Village, Karur Taluk, Karur District by Tmt.Nama Umadevi - For Environmental Clearance. (SIA/TN/MIN/ 420257/2023 Dt. 28.02.2023)

The proposal was placed in the 371st SEAC Meeting held on 26.04.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tmt.Nama Umadevi has applied for Environmental Clearance for the Proposed Multi-Colour Granite Quarry over an extent of 2.95.5 Ha in SF.No. 270/1(P), 271/A1A(P) & 278/1(P) of K.Pitchampatti Village, Karur Taluk, Karur District Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 20 years. The mining plan is for the period of five years & the production should not exceed 58,420 m³ of RoM , 35,052 m³ of Multi-Colour Granite @ Recovery 60% , 23,368 m³ of Granite waste @ 40% ,18,283 m³ of weathered rock & 43,086 m³ of Topsoil with an ultimate depth of mining is 33m BGL. The annual peak production is 11,800 m³ of RoM (2nd Year), 7,080 m³ of Multi-Colour Granite @ Recovery 60% (2nd Year) , 4,720 m³ of Granite waste @ 40% (2nd Year) , 7371 m³ of weathered rock (1st Year) & 17750 m³ of Topsoil (1st Year) .
4. ToR was issued vide - Lr.No: SEIAA-TN/F.No.8637/SEAC/ToR-1063/2022,Dated: 01.03.2022.
5. public hearing was conducted on Dated: 06.01.2023.


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Sl. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	Tmt.Nama Umadevi W/o.Nama Krishnaiah, No.742/30, 12th Main Shubh Enclave Harlur Road Sarjapur, Bangaluru Karnataka-560102.
2	Type of quarrying	Multi Colour Granite
3	S.F No. of the quarry site	270/1(P), 271/A1A(P) & 278/1(P)
4	Village in which situated	K.Pitchampatti
5	Taluk in which situated	Karur
6	District in which situated	Karur
7	Extent of quarry (in ha.)	2.95.5 Ha
8	Latitude & Longitude of all corners of the quarry site	10°46'58.96"N to 10°47'03.63"N 78°05'16.60"E to 78°05'28.11"E
9	Topo Sheet No.	57 J/01
10	Type of mining	Opencast Mechanized of Mining
11	Period of current mine plan	5 years
12	Production (Quantity in m ³)	As per the mining plan the lease period is 20 years. The mining plan is for the period of five years & the production should not exceed 58,420m ³ of ROM ,35,052m ³ of Multi-Colour Granite @ Recovery 60% , 23,368m ³ of Granite waste @ 40% ,18,283 m ³ of weathered rock & 43,086m ³ of Topsoil with an ultimate depth of mining is 33m BGL. The annual peak production is 11,800m ³ of ROM (2 nd Year), 7,080m ³ of Multi-Colour Granite @ Recovery 60% (2 nd Year), 4,720m ³ of Granite waste @ 40% (2 nd Year), 7,371m ³ of weathered rock (1 st Year) & 17,750m ³ of Topsoil (1 st Year).
13	Depth of mining	33m BGL
14	Depth of water table	64m BGL
15	Man Power requirement	42 Employees
16	Water requirement: 1. Domestic & Flushing 2. Dust suppression	3.0 KLD 1.0 KLD 1.5 KLD

	3. Green Belt	0.5 KLD
17	Power requirement	TNEB 93,472 liters of HSD Diesel
18	Precise area communication approved by the Industries Department	Letter No.9102/MMB.2/2020-1, dated:21.12.2020
19	Mining Plan approved by the Commissioner, Dept. of Geology and Mining with date	RC.No.5976/MM2/2020, dated.08.05.2021.
20	500m cluster letter issued by the Deputy Director, Dept. of Geology and Mining with date	Rc.No.284/Mines/2020, dated.10.06.2021.
21	VAO certificate regarding habitations in 300m radius	Letter dated: 10.06.2021
22	Project Cost (excluding EMP)	Rs.3,65,99,000
23	EMP cost	Rs.48.70 lakhs
24	ToR details	Lr. No. SEIAA-TN/F. No. 8637/SEAC/ToR-1063/2022, Dated: 01.03.2022.
25	Public hearing details	Public hearing was conducted on 06.01.2023.
26	EIA report submitted on	Dated: 02.03.2023
27	CER Cost	Rs.5 lakhs

Yearwise production as per the SEAC recommendation 4m width Reduced

YEARWISE RESERVES											
Year	Section	Bench	Length in (m)	Width in (m)	Depth in (m)	ROM in (Cu.m.)	Recover @ 60%	Waste @ 40%	Side burden	Weathered Rock	Topsoil
I	XIYI-CD	i	125	71	2						17750
		ii	117	63	1					7371	
		iii	58	40	5	11600	6960	4640			
		iii	58	21	5				6090		
		Total=						11600	6960	4640	6090	7371	17750
II	XY-AB	i	92	61	2						11224
		ii	82	58	1					4756	
	XIYI-CD	iii	43	40	5	8600	5160	3440			
		iii	43	21	5				4515		
		iv	16	40	5	3200	1920	1280			
		iv	16	9	5				720		

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		Total=			11800	7080	4720	5235	4756	11224
III	XIYI-EF	i	112	63	2					14112
		ii	108	57	1				6156	
	XIYI-CD	iv	58	40	5	11600	6960	4640		
		iv	58	9	5				2610	
		Total=				11600	6960	4640	2610	6156	14112
IV	XIYI-CD	iv	12	40	5	2400	1440	960		
		iv	12	9	5				540	
		v	56	33	5	9240	5544	3696		
		v	56	5	5				1400	
		Total=				11640	6984	4656	1940	
V	XIYI-CD	v	15	33	5	2475	1485	990		
		v	15	5	5				375	
		vi	51	25	5	6375	3825	2550		
		vi	51	1	5				255	
		vii	34	15	5	2550	1530	1020		
		Total=				11400	6840	4560	630	
Grand Total=					58040	34824	23216	16505	18283	43086

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a production quantity of 58,040m³ of RoM, 34,824m³ of Multi-Colour Granite @ Recovery 60%, 23,216m³ of Granite waste @ 40%, 18,283m³ of weathered rock & 43,086m³ of Topsoil to a depth of 33m BGL with the annual peak production shall not exceed 11,800m³ of RoM, 7,080m³ of Multi-Colour Granite @ Recovery 60%, 4,720 m³ of Granite waste @ 40%, 7,371m³ of weathered rock & 17,750m³ of Topsoil as per the approved mining plan subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions.

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The 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 Project Proponent shall furnish the conceptual slope stability action plan to the concerned AD (Mines) for the planned working from top to downwards in the hilly terrain (above ground level) by maintaining appropriate benches incorporating the haul road with proper gradient and also to remove the boulder formations in a safe manner, before obtaining CTO from TNPCB.
4. However, the Project Proponent shall carry out the scientific studies to assess the slope stability of the benches of the proposed quarry (or) the benches made in all the quarries of this cluster site collectively if amalgamation is done and when the depth of the working touches 30 m (or) during the 3rd year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT-Dept of Mining Engineering, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
5. The PP shall install the Environmental Management Cell headed by the statutory (I/II Class) Mines Manager of the concerned mine and the cell shall include a dedicated full-time Environmental Engineer exclusively to look into the effective implementation of Environmental Management Plan besides the reviewing the compliance reports with the regulatory authorities.
6. The PP shall strictly adhere with the safety provisions as laid for the operation of Diamond Wire Saw machines and use of Cranes vide DGMS Tech Circulars No: 02 of 29.11.2019 & No. 10 of 19.07.2002 respectively.
7. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral reject (Granite waste) dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de-silted and maintained properly.
8. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed


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due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

9. The proponent shall obtain a 'Star Rating' system awarded by Anna University, Chennai annually to the mining lease being operated for their efforts and initiatives taken for successful implementation of the Sustainable Development Framework (SDF).
10. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
11. The PP shall carry out the comprehensive hydrogeological studies once in two years to monitor the quality & quantity of the ground water due to impacts of quarrying operation by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-Dept of Geology, CEG Campus, and University of Madras -Dept of Applied Geology, Chennai etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
12. The Project Proponent shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
13. The Project Proponent shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.
14. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.

15. -The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
16. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
17. As accepted by the Project proponent the CER cost is Rs.10,00,000 lakhs and the amount shall be spent for the (i) Panchayat Union Primary School, K.Pitchampatti Village and (ii) Panchayat Union Primary School, Alamarathupatti, Karur District as committed, before obtaining CTO from TNPCB.
18. The Project Proponent shall address the needs of the local population as committed during public hearing.

Agenda No: 371 - 02

(File No: 8644/2021)

Proposed Rough Stone & Gravel Quarry over an extent of 2.65.0 Ha in SF.No. 27/2D & 27/2E at Kodangipalayam Village, Palladam Taluk, Tiruppur District by Tmt.S.Kavitha - For Environmental Clearance. (SIA/TN/MIN/ 418450/2023 Dt. 15.02.2023)

The proposal was placed in the 371st SEAC Meeting held on 26.04.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tmt.S.Kavitha has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry over an extent of 2.65.0 Ha in SF.No. 27/2D & 27/2E of Kodangipalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 2,68,630m³ of Rough Stone & 24,044m³ of Gravel with an ultimate depth of mining is 47m BGL. The annual peak production is 55680 m³ of Rough Stone (4th year) & 8310 m³ of Gravel (3rd year) .
4. ToR was issued vide - Lr.No: SEIAA-TN/F.No.8644/SEAC/ToR-1073/2021,Dated: 01.03.2022.


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5. Public hearing was conducted on Dated: 10.01.2023.

Sl. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	Tmt.S.Kavitha W/o.Sivakumar No.1/219, Karanampettai Palldam Taluk Tiruppur District-641662
2	Type of quarrying	Rough Stone & Gravel
3	S.F No. of the quarry site	27/2D & 27/2E
4	Village in which situated	Kodangipalayam
5	Taluk in which situated	Palladam
6	District in which situated	Tiruppur
7	Extent of quarry (in ha.)	2.65.0 Ha
8	Latitude & Longitude of all corners of the quarry site	11°01'43.23"N to 11°01'48.29"N 77°13'06.77"E to 77°13'18.60"E
9	Topo Sheet No.	58-E/04
10	Type of mining	Opencast Mechanized of Mining
11	Period of current mine plan	5 years
12	Production (Quantity in m ³)	As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 2,68,630m ³ of Rough Stone & 24,044m ³ of Gravel with an ultimate depth of mining is 47 m BGL. The annual peak production is 55,680 m ³ of Rough Stone (4 th year) & 8,310 m ³ of Gravel (3 rd year).
13	Depth of mining	47m BGL

14	Depth of water table	70m in summer season -65m in rainy season BGL
15	Man Power requirement	30 Employees
16	Water requirement: 1. Domestic & Flushing 2. Dust suppression 3. Green Belt	3.0 KLD 0.5 KLD 2.0 KLD 0.5 KLD
17	Power requirement	TNEB 2,18,922 liters of HSD for the entire period of life
18	Precise area communication approved by the Assistant Director, Dept. of Geology and Mining with date	Na.Ka.No. 372/Kanimam/2021, Dated: 10.06.2021
19	Mining Plan approved by the Deputy Director, Dept. of Geology and Mining with date	Rc.No. 372/2021/Mines, Dated: 17.06.2021
20	500m cluster letter issued by the Deputy Director, Dept. of Geology and Mining with date	Rc.No. 372/2021/Mines, Dated: 17.06.2021
21	VAO certificate regarding habitations in 300m radius	Letter dated: 17.06.2021
22	Project Cost (excluding EMP)	Rs.98,32,000
23	EMP cost	Rs.50.51 lakhs
24	ToR details	Lr. No. SEIAA-TN/F. No8644/SEAC/ToR-1073/2021, Dated: 01.03.2022.
25	Public hearing details	Public hearing was conducted on 10.01.2023.
26	EIA report submitted on	Dated: 16.02.2023
27	CER Cost	Rs.5 lakhs


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Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a production quantity of 2,68,630m³ of Rough Stone & 24,044m³ of Gravel to a depth of 47m BGL with annual peak production shall not exceed 55,680m³ of Rough Stone and 8310 m³ of Gravel as per the approved mining plan subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions.

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The 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 Project Proponent shall furnish the conceptual slope stability action plan to the concerned AD (Mines) for the planned working from top to downwards in the hilly terrain (above ground level) by maintaining appropriate benches incorporating the haul road with proper gradient and also to remove the boulder formations in a safe manner, before obtaining CTO from TNPCB.
4. However, the Project Proponent shall carry out the scientific studies to assess the slope stability of the benches of the proposed quarry (or) the benches made in all the quarries of this cluster site collectively if amalgamation is done and when the depth of the working touches 30m (or) during the 3rd year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT-Dept of Mining Engineering, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
5. Within one year of the commencement of mining operations, the Project Proponent shall carry out the scientific studies on 'Cumulative Impacts of the

blasting operations carried out in the cluster mines on the surrounding villages and the prominent structures such as blast-induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IIT(ISM), IIT-Madras, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

6. The Project Proponent shall not carry out the secondary rock breakage involving blasting operations and use only the non-explosive techniques such as rock breakers, etc.
7. The Project Proponent shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the school/other habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.
8. The Project Proponent shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
9. The Project Proponent shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
10. The PP shall carry out the comprehensive hydrogeological studies once in two years to monitor the quality & quantity of the ground water due to impacts of quarrying operation by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-Dept of Geology, CEG Campus, and University of Madras -Dept of Applied Geology, Chennai etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.


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11. The Project Proponent shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
12. The Project Proponent shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.
13. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
15. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
16. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
17. As accepted by the Project proponent the CER cost is Rs.5,00,000 lakhs and the amount shall be spent for the Government High School, Kodangipalayam, Tiruppur District as committed, before obtaining CTO from TNPCB.
18. The Project Proponent shall address the needs of the local population such as adequate Air Pollution Control measures etc, as committed during public hearing.

Agenda No: 371 - 03

(File No: 9703/2023)

Proposed Earth Quarry over an extent of 2.15.5 Ha in SF.No. 1524 at Seevalaperi Village, Palayamkottai Taluk, Tirunelveli District, Tamil Nadu by Tmt. A. Gurulakshmi - For Environmental Clearance. (SIA/TN/MIN/ 412611/2022 Dt. 30.12.2022)

The proposal was placed in the 371st SEAC Meeting held on 26.04.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).


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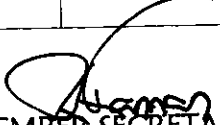
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The SEAC noted the following:

1. The Project Proponent, Tmt. A. Gurulakshmi has applied for Environmental Clearance for the Proposed Earth Quarry over an extent of 2.15.5 Ha in SF.No. 1524 of Seevalaperi Village, Palayamkottai Taluk, Tirunelveli District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 3 years. The mining plan is for the period of three years & the production should not exceed 25,532m³ of Earth with an ultimate depth of mining is 1.5m BGL. The Annual peak production is 8,510.6 m³ of Earth (1st, 2nd & 3rd Year).

Sl. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	Tmt.A. Gurulakshmi D/O Antony No 8 North Part Seevalaperi Palayamkottai Taulk Tirunelveli District
2	Type of quarrying	Earth
3	S.F No. of the quarry site	1524
4	Village in which situated	Seevalaperi
5	Taluk in which situated	Palayamkottai
6	District in which situated	Tirunelveli
7	Extent of quarry (in ha.)	2.15.5 Ha
8	Latitude & Longitude of all corners of the quarry site	08°47'23.80"N to 08°47'28.40"N 77°49'01.80"E to 77°48'57.10"E
9	Topo Sheet No.	58-H/13
10	Type of mining	Opencast Method of shallow mining
11	Period of current mine plan	3 years


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12	Production (Quantity in m ³)	As per the mining plan the lease period is 3 years. The mining plan is for the period of three years & the production should not exceed 25,532m ³ of Earth with an ultimate depth of mining is 1.5m BGL for 3 years. The Annual peak production is 8,510.6m ³ of Earth (1 st , 2 nd & 3 rd Year).
13	Depth of mining	1.5m Below Ground level
14	Depth of water table	50m in summer season -45m in rainy season
15	Man Power requirement	10 Employees
16	Water requirement: 1. Drinking & Dust suppression	1.0 KLD 1.0 KLD
17	Power requirement	TNEB -
18	Precise area communication approved by the Assistant Director(i/c), Department of Geology and Mining with date	Rc.No.M2/17579/ 2019, dated:07.11.2022
19	Mining Plan approved by Joint Director/ Assistant Director(i/c), Department of Geology and Mining with date	Rc.No.M2/17579/ 2019, dated:02.12.2022
20	500mts letter approved by the Joint Director / Assistant Director(i/c), Department of Geology and Mining with date	Rc.No.M2/17579/ 2019, dated:02.12.2022
21	VAO certificate regarding 300m radius cluster	Letter dated:03.12.2022
22	Project Cost	Rs. 11,66,000
23	EMP cost	Rs.12.16 Lakhs

24	CER cost	Rs.1.5 Lakh For School- Rs.75000 For Mitigation measures – Rs. 75000/-
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Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for total excavation quantity of 25,532m³ of Earth and not exceeding the annual peak production of 8510.6m³ of Earth with maintaining an ultimate pit depth of 1.5m BGL subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952.
3. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy.
4. The Project Proponent shall develop the Green belt activities (tree plantations of two to three rows) in the safety zone as stipulated in the Mining Plan around the periphery of the proposed quarry lease before obtaining the CTO from the TNPCB.
5. The Project Proponent shall not carry out blasting operations.
6. The Project Proponent shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.

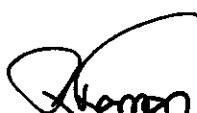

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7. The PP shall ensure that the transport vehicles used in the quarry are adequately covered with tarpaulin before it is allowed to enter into the adjacent village panchayat road.
8. The operation of the quarry should not affect the agricultural activities & 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.
9. The Project Proponent shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.
10. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
11. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
12. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
13. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.II dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
14. As accepted by the Project proponent the CER cost is Rs.75,000 lakh and the amount shall be spent for the Panchayat Union Primary School, Seevalaperi Village as committed and Rs 75000/- shall be spent for mitigation measures to Gangaikondan wild life sanctuary in consultation with concerned DFO, before obtaining CTO from TNPCB.


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Agenda No: 371 - 04

(File No: 9711/2023)

Proposed Gravel Quarry over an extent of 1.30.5 Ha in SF.No. S.F.No.327/4 at Kundukkal Village of Kadayampatti Taluk, Salem District, Tamil Nadu by Thiru. P.Dharmalingam - For Environmental Clearance. (SIA/TN/MIN/412712/2023 Dt. 06/01/2023)

The proposal was placed in the 371st SEAC Meeting held on 26.04.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. P.Dharmalingam has applied for Environmental Clearance for the Proposed Gravel Quarry over an extent of 1.30.5 Ha in SF.No. S.F.No.327/4 at Kundukkal Village of Kadayampatti Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 3 years. The mining plan is for the period of three years & the production should not exceed 30524 m³ of Gravel with an ultimate depth of mining is 6m (4AGL+2 BGL) . The Annual peak production is 10976 m³ of Earth (3rd Year).

Sl. No	Details of the Proposal	Data Furnished
1.	Name of the Owner/Firm	Thiru. P. Dharmalingam, S/o. Ponnusamy, No. 5/71 C, Mottur, Semmandapatti Post, Kadayampatti Taluk, Salem District – 636 309.
2.	Type of quarrying	Gravel
3.	S.F No. of the quarry site	327/4
4.	Village in which situated	Kundukkal
5.	Taluk in which situated	Kadayampatti
6.	District in which situated	Salem
7.	Extent of quarry (in ha.)	1.30.5 Ha


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8.	Latitude & Longitude of all corners of the quarry site	11°53'01.48"N to 11°53'05.38"N 78°02'47.27"E to 78°02'54.75"E
9.	Topo Sheet No.	58-I/01
10.	Type of mining	Opencast Mechanized Mining
11.	Period of current mine plan	3 Years
12.	Production (Quantity in m ³)	30,524 m ³ of Gravel
13.	Depth of mining	6m (4m AGL + 2m BGL)
14.	Depth of water table	60m-56m bgl
15.	Man Power requirement	10 Nos
16.	Water requirement: 1. Domestic & Flushing 2. Dust suppression	0.8 KLD 0.3 KLD 0.5 KLD
17.	Power requirement a. Domestic purpose b. Industrial Purpose	TNEB 5,090 Liters of HSD
18.	Precise area communication approved by the District Collector with date	Na.Ka.No.297/2018/Kanimam/A, Dated:25.11.2018
19.	Mining Plan approved by the Assistant Geologist / Deputy Director (i/c), Dept. of Geology and Mining with date	Roc.297/2018/Mines-A/ Dated: 28.12.2018
20.	500m cluster letter issued by the Assistant Geologist / Assistant Director (i/c), Dept. of Geology and Mining with date	Roc.297/2018/Mines/A, Dated:08.09.2020
21.	VAO certificate regarding habitations in 300m radius	Letter dated 01.12.2020
22.	Project Cost (excluding EMP)	Rs. 13,48,000/-
23.	EMP cost	Capital Cost – Rs. 8,67,800/- Recurring Cost – Rs. 5,22,860/-
24.	CER cost	Rs. 2,00,000/-

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for total excavation quantity of 30524 m³ of Gravel with an ultimate depth of mining is 6m (4AGL+2 BGL). The Annual peak production is 10976 m³ of Earth (3rd Year) subject to the standard conditions as per the Annexure I of this minutes & normal


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

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952.
3. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy.
4. The Project Proponent shall develop the Green belt activities (tree plantations of two to three rows) in the safety zone as stipulated in the Mining Plan around the periphery of the proposed quarry lease before obtaining the CTO from the TNPCB.
5. The Project Proponent shall not carry out blasting operations.
6. The Project Proponent shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
7. The PP shall ensure that the transport vehicles used in the quarry are adequately covered with tarpaulin before it is allowed to enter into the adjacent village panchayat road.
8. 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


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indicating the possible silt content and size in case of any agricultural land exists around the quarry.

9. The Project Proponent shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.
10. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
11. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
12. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
13. 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.
14. As accepted by the Project proponent the CER cost is Rs.2,00,000 lakh and the amount shall be spent for the Kundukkal Village, Kadayampatti Taluk, Salem as committed, before obtaining CTO from TNPCB.

Agenda No: 371 - 05

(File No: 9718/2023)

Proposed File clay Quarry over an extent of 2.20.5 Ha in SF.No. 132/1F, 132/2A, 132/2B, 132/2C, 132/3, 132/4, 132/5 & 134/9 at Karai (East) Village, Alathur Taluk, Perambalur District, Tamil Nadu by Tvl. SS Minerals,- For Environmental Clearance. (SIA/TN/MIN/413122/2023 Dt. 06/01/2023)

The proposal was placed in the 371st SEAC Meeting held on 26.04.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in). The SEAC noted the following:


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1. The Project Proponent, Tvl. SS Minerals has applied for Environmental Clearance for the Proposed Fire clay Quarry over an extent of 2.20.5 Ha in SF.No. 132/1F, 132/2A, 132/2B, 132/2C, 132/3, 132/4, 132/5 & 134/9 at Karai (East) Village, Alathur Taluk, Perambalur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 10 years. The mining plan is for the period of Five years & the production should not exceed ROM- 354695 MT of Fireclay (95% recovery @ 336960 MT & 5% reject @ 17735 MT) with an ultimate depth of mining is 19BGL. The Annual peak production is 77152MT of Fireclay (1st Year).

Sl. No	Details of the Proposal	Data Furnished
1.	Name of the Owner/Firm	Tvl. SS Minerals, 221F, AV Complex, Ariyalur Road, Near Four Road, Thuraimangalam, Perambalur Taluk and District - 621 220.
2.	Type of quarrying	Fireclay
3.	S.F No. of the quarry site	132/1F, 132/2A, 132/2B, 132/2C, 132/3, 132/4, 132/5 & 134/9
4.	Village in which situated	Karai (East)
5.	Taluk in which situated	Alathur
6.	District in which situated	Perambalur
7.	Extent of quarry (in ha.)	2.20.5 Ha
8.	Latitude & Longitude of all corners of the quarry site	11°7'27.82947"N to 11°7'35.04446"N 78°52'59.98432"E to 78°53'6.38446"E
9.	Topo Sheet No.	58-1/16
10.	Type of mining	Opencast Semi Mechanized Mining
11.	Period of current mine plan	5 Years
12.	Production (Quantity in m ³)	ROM- 354695 MT of Fireclay (95% recovery @ 336960 MT & 5% reject @ 17735 MT)
13.	Depth of mining	19m BGL
14.	Depth of water table	45m-40m bgl
15.	Man Power requirement	18 Nos
16.	Water requirement: 1. Domestic & Flushing	2.0 KLD 1.0 KLD


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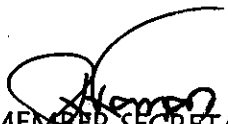
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	2. Dust suppression 3. Green Belt	0.5 KLD 0.5 KLD
17.	Power requirement c. Domestic purpose	TNEB
18.	Precise area communication approved by the Additional Chief Secretary to Government, Industries, Investment Promotion & Commerce (MMC.2) Department with date	Letter No.3050343/MMC.2/2022-1, dated 21.11.2022
19.	Mining Plan approved by the Additional Director, Commissionerate of Geology and Mining with date	Rc.No.1438/MM7/2020, dated 23.12.2022
20.	500m cluster letter issued by the Assistant Director, Dept. of Geology and Mining with date	Rc.No.33/G&M/2019 dated 28.12.2022
21.	VAO certificate regarding habitations in 300m radius	Letter dated 28.12.2022
22.	Project Cost (excluding EMP)	Rs. 38,00,000/-
23.	EMP cost	Rs. 92,44,324/-
24.	CER cost	Rs. 5,00,000/-

Based on the presentation and documents furnished by the project proponent, SEAC observed & suggested that the bench height shall be revised upto 1.5m accordingly revised quantity is as follows

Existing plan


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I - YEAR	X1Y1-CD	I	47	44	1	2068	1.8	3722
	X1Y1-CD	II	46	43	3	5934	2.3	13648	12966	682
	X2Y2-CD	I	31	41	1	1271	1.8	2288
	X2Y2-CD	II	30	40	3	3600	2.3	8280	7866	414	.....
	X3Y3-EF	I	37	78	1	2886	1.8	.....	.....	.....	5195
	X3Y3-EF	II	37	76	3	8436	2.3	19403	18433	970	.....
	X3Y3-GH	I	86	70	1	6020	1.8	.....	.....	.....	10836
X3Y3-GH	II	85	68	3	17340	2.3	39882	37888	1994	.....
TOTAL						47555	.....	81213	77152	4061	22041
II - YEAR	X1Y1-CD	III	43	40	3	5160	2.3	11868	11275	593	.....
	X2Y2-CD	III	27	37	3	2997	2.3	6893	6548	345	.....
	X3Y3-EF	III	37	70	3	7770	2.3	17871	16977	894	.....
	X3Y3-GH	III	82	62	3	15252	2.3	35080	33326	1754	.....
TOTAL						31179	.....	71712	68126	3586	0
III - YEAR	X1Y1-CD	IV	40	37	3	4440	2.3	10212	9701	511	.....
	X2Y2-CD	IV	24	34	3	2448	2.3	5630	5349	282	.....
	X3Y3-EF	IV	37	64	3	7104	2.3	16339	15522	817	.....
	X3Y3-GH	IV	79	56	3	13272	2.3	30526	28999	1526	.....
	X1Y1-CD	V	37	34	3	3774	2.3	8680	8246	434	.....
	X2Y2-CD	V	21	31	3	1953	2.3	4492	4267	225	.....
TOTAL						32991	.....	75879	72085	3794	0
IV - YEAR	X3Y3-EF	V	37	58	3	6438	2.3	14807	14067	740	.....
	X3Y3-GH	V	76	50	3	11400	2.3	26220	24909	1311	.....
	X1Y1-CD	VI	34	31	3	3162	2.3	7273	6909	364	.....
	X2Y2-CD	VI	18	28	3	1512	2.3	3478	3304	174	.....
	X3Y3-EF	VI	37	52	3	5772	2.3	13276	12612	664	.....
TOTAL						28284	.....	65053	61801	3253	0
V - YEAR	X3Y3-GH	VI	73	44	3	9636	2.3	22163	21055	1108	.....
	X1Y1-CD	VII	31	28	3	2604	2.3	5989	5690	299	.....
	X2Y2-CD	VII	15	25	3	1125	2.3	2588	2458	129	.....
	X3Y3-EF	VII	37	46	3	5106	2.3	11744	11157	587	.....
	X3Y3-GH	VII	70	38	3	7980	2.3	18354	17436	918	.....
TOTAL						26451	60837	57795	3042	0
GRAND TOTAL						166460	354695	336960	17735	22041

Revised plan

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YEARWISE PRODUCTION RESERVES												
Year	Section	Bench	length in (m)	Width in (m)	Depth in (m)	Volume in (M ³)	Bulk Density	ROM (MT)	Fire Clay 95% Recovery in (MT)	Fire Clay Rejected Waste 5% in (MT)	Top Soil in (MT)	
I - YEAR	X1Y1-CD	I	47	45	1	2115	1.8				3807	
		II	45.5	43.5	1.5	2969	2.3	6828	6487	341		
		III	44	42	1.5	2772	2.3	6376	6057	319		
	X2Y2-CD	I	31	41	1	1271	1.8					2288
		II	29.5	40	1.5	1770	2.3	4071	1867	204		
		III	28	38.5	1.5	1617	2.3	3719	3533	186		
	X3Y3-EF	I	37	78	1	2886	1.8					5193
		II	37	76	1.5	4218	2.3	9701	9216	485		
		III	37	73	1.5	4052	2.3	9318	8853	466		
	X3Y3-GH	I	86	70	1	6020	1.8					10836
		II	85	68	1.5	8670	2.3	19941	18944	997		
		III	83.5	65	1.5	8141	2.3	18725	17789	936		
TOTAL						46901		78680	74746	3934	22126	
II - YEAR	X1Y1-CD	IV	42.5	40.5	1.5	2582	2.3	5938	5641	297		
		V	41	39	1.5	2399	2.3	5517	5241	276		
	X2Y2-CD	IV	26.5	37	1.5	1471	2.3	3383	3214	169		
		V	25	35.5	1.5	1331	2.3	3062	2909	153		
	X3Y3-EF	IV	37	70	1.5	3885	2.3	8936	8489	447		
		V	37	67	1.5	3719	2.3	8553	8125	428		
	X3Y3-GH	IV	82	62	1.5	7626	2.3	17540	16663	877		
		V	80.5	59	1.5	7124	2.3	16386	15566	819		
	TOTAL						30136		69313	65847	3466	0
	III - YEAR	X1Y1-CD	VI	39.5	37.5	1.5	2222	2.3	5110	4855	256	
VII			38	36	1.5	2052	2.3	4720	4484	236		
X2Y2-CD		VI	23.5	34	1.5	1199	2.3	2757	2619	138		
		VII	22	32.5	1.5	1073	2.3	2467	2343	123		
X3Y3-EF		VI	37	64	1.5	3552	2.3	8170	7761	408		
		VII	37	61	1.5	3386	2.3	7787	7397	389		
X3Y3-GH		VI	79	56	1.5	6636	2.3	15263	14500	763		
		VII	77.5	53	1.5	6161	2.3	14171	13462	709		
X1Y1-CD		VIII	36.5	34.5	1.5	1889	2.3	4344	4127	217		
		IX	35	33	1.5	1733	2.3	3985	3786	199		
X2Y2-CD		VIII	20.5	31	1.5	953	2.3	2192	2083	110		
		IX	19	29.5	1.5	841	2.3	1934	1837	97		
TOTAL						31695		72899	69254	3645	0	
IV - YEAR		X3Y3-EF	VIII	37	58	1.5	3219	2.3	7404	7034	370	
	IX		37	55	1.5	3053	2.3	7021	6670	351		
	X3Y3-GH	VIII	76	50	1.5	5700	2.3	13110	12455	656		
		IX	74.5	47	1.5	5252	2.3	12080	11476	604		
	X1Y1-CD	X	33.5	31.5	1.5	1583	2.3	3641	3459	182		
		XI	32	30	1.5	1440	2.3	3312	3146	166		
	X2Y2-CD	X	17.5	28	1.5	735	2.3	1691	1606	85		
		XI	16	26.5	1.5	636	2.3	1463	1390	73		
	X3Y3-EF	X	37	52	1.5	2886	2.3	6638	6306	332		
		XI	37	49	1.5	2720	2.3	6255	5942	313		
TOTAL						17223		62613	59483	3131	0	
V - YEAR	X3Y3-GH	X	73	44	1.5	4818	2.3	11081	10527	554		
		XI	71.5	41	1.5	4397	2.3	10114	9608	506		
	X1Y1-CD	XII	30.5	28.5	1.5	1304	2.3	2999	2849	150		
		XIII	29	27	1.5	1175	2.3	2701	2566	135		
	X2Y2-CD	XII	14.5	25	1.5	544	2.3	1251	1188	63		
		XIII	13	23.5	1.5	458	2.3	1054	1001	53		
	X3Y3-EF	XII	37	46	1.5	2553	2.3	5872	5578	294		
		XIII	37	43	1.5	2387	2.3	5489	5215	274		
	X3Y3-GH	XII	70	38	1.5	3990	2.3	9177	8718	459		
		XIII	68.5	35	1.5	3596	2.3	8271	7858	414		
TOTAL						25221		58009	55109	2900	0	
GRAND TOTAL						160776		341514	324438	17076	22126	

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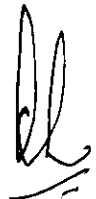
The SEAC also decided to recommend the proposal for the grant of Environmental Clearance for total the production should not exceed ROM- 341514 MT of Fireclay (95% recovery @ 324438 MT & 5% reject @ 17076 MT) with an ultimate depth of mining is 19BGL. The Annual peak production is 74746 MT of Fireclay (1st Year). subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952.
3. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy.
4. The Project Proponent shall develop the Green belt activities (tree plantations of two to three rows) in the safety zone as stipulated in the Mining Plan around the periphery of the proposed quarry lease before obtaining the CTO from the TNPCB.
5. The Project Proponent shall not carry out blasting operations.
6. The Project Proponent shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
7. The PP shall ensure that the transport vehicles used in the quarry are adequately covered with tarpaulin before it is allowed to enter into the adjacent village panchayat road.


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8. 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.
9. The Project Proponent shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.
10. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
11. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
12. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
13. 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.
14. As accepted by the Project proponent the CER cost is Rs.5,00,000 lakh and the amount shall be spent for the Govt He Sec School, Karai village as committed, before obtaining CTO from TNPCB.

Agenda No: 371 - 06
(File No: 8472/2022)

proposed Earth quarry over an extent of 1.84.0 Ha located at S.F.Nos.231/14C, 232/7, 232/8, 232/20, 242/1 & 242/6 of Velakupuram Village, Uthukottai Taluk, Thiruvallur District, Tamil Nadu by Thiru.R.Neruji -For Environmental Clearance (SIA/TN/MIN/202660/2021, 09.03.2021).


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The proposal was placed in this 371st Meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.R.Neruji has applied for Environmental Clearance for the proposed Earth quarry over an extent of 1.84.0 Ha located at S.F.Nos.231/14C, 232/7, 232/8, 232/20, 242/1 & 242/6 of Velakapuram Village, Uthukottai Taluk, Thiruvallur 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 the mining plan the lease period is 6 months. The mining plan is for the period of One year & production should not exceed 9874 m³ of of Earth. The annual peak production is 9874 m³ of of Earth. The ultimate depth is 1m BGL.

The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

Agenda No. 371 - 07

(File No.8598/2023)

Proposed Rough stone & Gravel Quarry lease over an Extent of 0.63.0Ha (patta land) at S.F.Nos. 76/1(P) of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu by M/s. NTC Blue Metals LLP – For Environmental Clearance (SIA/TN/MIN/417641/2023 dated: 09.02.2023).

The proposal was placed in 371st Meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. NTC Blue Metals LLP has applied for Environmental Clearance for the Proposed Rough stone & Gravel Quarry lease over an Extent of 0.63.0Ha (patta land) at S.F.Nos. 76/1(P) of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.


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3. Earlier in the ToR issued, the depth was restricted to 25m and inadvertently mentioned as 42,712 m³ of Rough Stone and 7,888 m³ of Gravel. The Annual peak production as per mining plan is 9120 m³ of rough stone & 7888 m³ of Gravel with ultimate depth – 25m BGL.
4. ToR issued by SEIAA-TN vide Lr No.SEIAA-TN/F.No.8598/SEAC/ToR-1023/2021 Dated:26.08.2021.
5. ToR Amendment issued by SEIAA-TN vide Letter No.SEIAA-TN/F.No.8598/1(a)/ToR-1023/2021/Amendment/ Dated:17.10.2022.
6. Minutes of Public Hearing Conducted on 15.12.2022.
7. EIA Report Submitted on 10.02.2023.

Based on the presentation made by the proponent, SEAC noted that there was a fatal accident in the mine operated by PP because the safety rules were not followed. Hence, the Committee decided to obtain the following from the PP.

- i. The PP shall submit details of the accidents that occurred earlier in the proposed quarry.
- ii. A copy of enquiry report by the AD, G&M, on the above accidents.
- iii. The PP shall submit the details of criminal cases if any pending against the PP/mine.
- iv. The PP shall furnish the details of trees in the mining area and how many trees are proposed to be removed.

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

Agenda No: 371 - 08

(File No: 9706/2022)

Proposed Black Granite (Dolerite) Quarry over an extent of 4.91.5Ha (Government Poramboke land) at S.F.No.856 (Part) of Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by Tvl. Amman Granites -For Environmental Clearance. (SIA/TN/MIN/412545/2022, 29.12.2022).

The proposal was placed in this 371st Meeting of SEAC held on 26.04.2023. 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, Tvl. Amman Granites has applied for Environmental Clearance for the Proposed Black Granite (Dolerite) Quarry over an Extent of 4.91.5Ha (Government Poramboke land) at S.F.No.856 (Part) of Ajjanahalli Village, Pennagaram Taluk, Dharmapuri 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 the mining plan the lease period is 20 years. The mining plan is for the period of five years & production should not exceed 29625m³ of ROM and 2962.5m³ of Black Granite @ 10% recovery and 26662.5m³ of Granite waste @90% with ultimate depth of mining 21m Below ground level.
4. Earlier appl No. SIA/TN/MIN/215800/2021 dt: 19.06.2021 (File No. 8585/2021) was appraised vide 263rd Meeting of SEAC held on 09.04.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

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

The Committee noted that the **Bevanurmalai Reserve Forest** is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, **decided not to recommend the proposal and same was accepted in 508th meeting of SEIAA held on 19.05.2022.**

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


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

6. Now, the Proponent has resubmitted the same proposal vide online application No. SIA/TN/MIN/412545/2023 dt: 29.12.2022 (File No. 9706/2023) with all necessary supporting documents in order to obtain Environmental Clearance.

Description	Old File	New File
File No	8585	9706
Online Proposal No for EC	SIA/TN/MIN/215800/2021, Dated: 19.06.2021.	SIA/TN/MIN/412545/2022 Dated: 29.12.2022.

Now, the subject was again placed for reappraisal in this 371st Meeting of SEAC held on 26.04.2023. Based on the presentation made by the proponent, SEAC noted and decided to call for details as follows,

1. Since the Cauvery South Wildlife Sanctuary is located within 10km & its ESZ is yet to be notified, the PP shall obtain and submit NBWL clearance.

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

Agenda No: 371-09

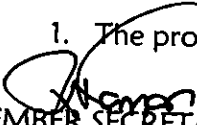
(File No: 8522/2021)

Proposed Ordinary Earth quarry over an extent of 3.25.5Ha in S.F.No. 4(P) PWD Tank at Alapakkam Village, Uthukottai Taluk, Tiruvallur District Tamil Nadu by Thiru R.Boobalan- For Environmental Clearance (SIA/TN/MIN/206292/2021, dated 16.04.2021)

The proposal was placed in 370th meeting of SEAC held on 25.04.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent gave a detailed presentation.

The SEAC noted the following:

1. The project proponent, Thiru R.Boobalan has applied seeking Environmental


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Clearance for the proposed Ordinary Earth quarry over an extent of 3.25.5Ha in S.F.No. 4(P) PWD Tank at Alapakkam Village, Uthukottai Taluk, Tiruvallur District Tamil Nadu.

2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for the quantity of 29,295m³ of Ordinary Earth in PWD tank to an ultimate depth of 0.90 m in 55 days** as per the approved mining plan subject to the standard conditions & normal conditions stipulated by MoEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The project proponent shall ensure that the term "savudu" mentioned in the PWD approval letter is corrected as "ordinary earth" before the execution of mine lease.
3. The mine manager and other statutory competent persons shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952.
4. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy.
5. The Project Proponent shall develop the Green belt activities (tree plantations) in the safety zone as stipulated in the Mining Plan around the periphery of the proposed quarry lease before obtaining the CTO from the TNPCB.
6. The Project Proponent shall not carry out the blasting operations in the proposed quarry.
7. The Project Proponent shall carry out the comprehensive tree plantation (two to three rows) along the boundary of the quarrying site considering the wind direction to act as a barrier to reduce noise level and dust pollution directing the surrounding farm lands before obtaining the CTO from the TNPCB.


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8. The PP shall ensure that the transport vehicles used in the quarry are adequately covered with tarpaulin before it is allowed to enter into the adjacent village panchayat road.
9. The Project Proponent shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.
10. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
11. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
12. 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.
13. As accepted by the Project proponent the CER cost is **Rs. 2.0 lakh** and the amount shall be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

Agenda No: 371-10

(File No: 8599/2023)


proposed of Rough Stone & Gravel Quarry lease over an extent of 2.19.0 Ha at S.F.Nos. 362/2 (part) of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu - M/s.NTC Blue Metals LLP – For Environmental Clearance

(SIA/TN/MIN/417665/2023, dated 10.02.2023)

The proposal was placed in 371st meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent gave a detailed presentation.

The SEAC noted the following:

1. The project proponent, M/s.NTC Blue Metals LLP has applied seeking Environmental Clearance for the proposed Rough Stone & Gravel Quarry lease over an extent of 2.19.0 Ha at S.F.Nos. 362/2 (part) of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of


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Minerals Projects” of the schedule to the EIA Notification, 2006, as amended.

3. ToR Lr No.SEIAA-TN/F.No.8599/SEAC/ToR- 1017/2021 Dated: 23.08.2021

Based on the presentation made by the proponent, SEAC noted that there was a fatal accident in the mine operated by PP because the safety rules were not followed. Hence, the Committee decided to obtain the following from the PP.

- i. The PP shall submit details of the accidents that occurred earlier in the proposed quarry.
- ii. A copy of enquiry report by the AD, G&M, on the above accidents.
- iii. The PP shall submit the details of criminal cases if any pending against the PP/mine.

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

On receipt of the same the subject will be taken up for further deliberations.

Agenda No: 371-11

(File No: 9089/2023)

Proposed Rough stone & Gravel quarry lease over an extent of 3.96.0 Ha S.F.Nos.799/1, 800 and 802/3 Karamadai Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Thiru K.Sundararaj – For Environmental Clearance

(SIA/TN/MIN/414400/2023, dated 12.01.2023)

The proposal was placed in 371st meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent gave a detailed presentation.

The SEAC noted the following:

1. The project proponent, Thiru K.Sundararaj has applied seeking Environmental Clearance for the Proposed Rough stone & Gravel quarry lease over an extent of 3.96.0 Ha S.F.Nos.799/1, 800 and 802/3 Karamadai Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under category “B1” of Item 1 (a) “Mining of Minerals Projects” of the schedule to the EIA Notification, 2006, as amended.


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Based on the presentation and documents furnished by the project proponent, SEAC decided not to recommend the proposed project for the following reasons:

On perusal of the KML file, it was noticed that the proposed mine lease area is the middle portion of the hillock surrounded by Government Poramboke land. Allowing mining on the top of the hillock will adversely impact the ecology, biodiversity, and its flora & fauna. The hillock forms an important component of the meteorology of the area and mining operation will lead to irreversible changes. The Committee, therefore, is of the opinion that any mining activity in this sensitive area will irreparably damage the environment. Furthermore, a public road is also passing very close to the site and, hence operation of the mine involving blasting will pose danger to the users of the road.

Agenda No: 371-12

(File No: 9707/2023)


Existing Grey Granite quarry lease (2nd scheme of mining) over an extent of 3.01.5Ha S.F.Nos. 131/1B2(Part), 136/2, 144/1, 144/2, 145/1 and 145/2 of Sivampatti Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu by Thiru A. Perumal – For Environmental Clearance (SIA/TN/MIN/412849/2023, dated 02.01.2023)

The proposal was placed in 371st meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent gave a detailed presentation.

The SEAC noted the following:

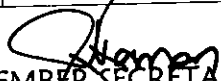
1. The project proponent, Thiru A. Perumal has applied seeking Environmental Clearance for the existing Grey Granite quarry lease (2nd scheme of mining) over an extent of 3.01.5Ha S.F.Nos. 131/1B2(Part), 136/2, 144/1, 144/2, 145/1 and 145/2 of Sivampatti Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.

Sl. No.	Details of the Proposal	
1.	Name of the Owner/Firm	Thiru A. Perumal, S/o. Ayothi, No. 4/66B.


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		Madarahalli Village and Post, Pochampalli Taluk, Krishnagiri District – 635 203
2.	Type of quarrying	Grey Granite
3.	S.F No. of the quarry site	131/1B2(Part), 136/2, 144/1, 144/2, 145/1 and 145/2
4.	Village in which situated	Sivampatti
5.	Taluk in which situated	Pochampalli
6.	District in which situated	Krishnagiri
7.	Extent of quarry (in ha.)	3.01.5Ha -Patta land
8.	Latitude & Longitude of all corners of the quarry site	12°23'23.07"N to 12°23'31.00"N 78°25'55.07"E to 78°26'04.00"E
9.	Topo Sheet No.	57L/07
10.	Type of Mining	Open cast mechanized mining
11.	Period of current mine plan	5 years
12.	Lease period	20 years
13.	Production (Quantity in m ³)	ROM -66,336 m ³ , Recovery @ 25% - 16,583 m ³ and Granite Waste @75% - 49,753 m ³ Peak production in the year wise plan - 3,958 m ³ of Granite @ 25%
14.	<ul style="list-style-type: none"> • Proposed depth of mining in 5 years • Ultimate Depth 	34m 44m
15.	Depth of water table	59m-64m
16.	Man Power requirement	36 Nos
17.	Water requirement: <ul style="list-style-type: none"> 2. Domestic & Flushing 3. Dust suppression 4. Green Belt 	0.6kLD 0.8kLD 0.7kLD
18.	Power requirement <ul style="list-style-type: none"> 1. Domestic 2. Industrial 	TNEB 1,06,144 liters of HSD for five years scheme period
19.	Precise area communication approval letter	G.O. (3D) No.4, Industries (MME.2) Department Dated: 21.06.2017
20.	Mining Plan approval letter	letter No.8390/MM5/2015 dated 25.10.2016 First scheme of mining plan Rc. No. 5043/MM4/2022 Dated: 29.09.22
21.	500m cluster letter	Roc.No.380/2022/Mines Dated: 07.12.2022
22.	VAO certificate regarding habitations within 300m radius	07.10.2022
23.	Project Cost (excluding EMP)	Rs. 3,07,58,000/-


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24.	EMP cost	Capital Cost: Rs 34,96,750/- Recurring Cost/Annum: 12,16,969/- + 5% cost inflation from 2 nd year
25.	CER Cost	Rs. 5.0 Lakh

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a production quantity of RoM -66,336 m³, Recovery @ 25% - 16,583 m³ and Granite Waste 75% - 49,753 m³ to the depth of 34m in 5 years and the annual peak production shall not exceed - 3,958 m³ of Rough stone as per the approved mining plan subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall adhere the EMP as committed.
3. The proponent shall obtain a 'Star Rating' system awarded by Anna University, Chennai annually to the mining lease being operated for their efforts and shall contribute Rs.5 Lakhs for the initiatives taken for successful implementation of the Sustainable Development Framework (SDF).
4. The proponent is requested to prepare Standard Operating Procedure for using Diamond Wire Saw Cutting method before obtaining CTO.
5. The PP shall inform send the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
6. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.


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7. 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.
8. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
9. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
10. As accepted by the Project proponent the CER cost is Rs. 5.0 lakh the amount to be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

Agenda No: 371-13

(File No: 9709/2023)

**Proposed Gravel & Laterite quarry Lease over an extent of 4.28.5 Ha at S.F.No. 220/5A3 in Naduveerapattu Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru. C. Murali – For Environmental Clearance.
(SIA/TN/MIN/412969/2023 dated.03.01.2023)**

The proposal was placed for appraisal in this 371st meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. C. Murali has applied for Environmental Clearance for the Proposed Gravel & Laterite quarry Lease over an extent of 4.28.5 Ha at S.F.No. 220/5A3 in Naduveerapattu Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu.


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2. The project/activity is covered under Category "B2" of item I(a) "Mining of Minerals Project' of the Schedule to the EIA Notification,2006.

3. The salient features of the project are as follows:

Sl. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	Thiru. C.Murali, S/o. Chellappa, No.109, Kalaingar Karunanithi Street, Villupuram Taluk, Villupuram District – 605 602.
2	Type of quarrying	Gravel and Laterite
3	S.F No. of the quarry site	S.F.No. 220/5A3
4	Village in which situated	Naduveerapattu
5	Taluk in which situated	Cuddalore
6	District in which situated	Cuddalore
7	Extent of quarry (in ha.)	4.28.5ha
8	Latitude & Longitude of all corners of the quarry site	11°42'48.69"N to 11°42'59.02"N 79°37'49.23"E to 79°37'58.01"E
9	Topo Sheet No.	58M/10
10	Type of mining	Opencast Mechanized Method without drilling & Blasting
11	Lease Period	2 years
12	Period of quarrying proposed	2 years
13	Production (Quantity in m ³)	40,630m ³ of gravel & 4514m ³ of laterite
14	Depth of mining	2m Below Ground Level (BGL)
15	Depth of water table	20 – 15m BGL
16	Man Power requirement	10 Nos.
17	Water requirement:	2.0 KLD
	5. Drinking & Domestic Purposes	0.2 KLD
	6. Dust suppression	1.5 KLD

	7. Green Belt	0.3 KLD
18	Power requirement	7520 liters of HSD
19	Precise area communication approved by Assistant Director (i/c), Dept. of Geology & Mining with date	Rc.No.288/Mines/2021, dated:09.09.2022.
20	Mining Plan approved by the Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.288/Mines/2021, dated:11.10.2022.
21	500m cluster letter issued by the Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.288/Mines/2021, dated:11.10.2022.
22	VAO certificate regarding habitations in 300m radius	31.10.2022.
23	Project Cost (excluding EMP)	Rs.60,78,000/-
24	EMP cost	Capital Cost: Rs.21,55,200/- Recurring Cost: Rs.6,82,320/-

Based on the presentation & documents furnished and the Committee carefully examined the points raised by SEAC and the replies given by the PP and **SEAC decided to recommend the proposal for the grant of Environmental Clearance for the for the production quantity of 40,630m³ of gravel & 4514m³ of laterite with annual peak production capacity not exceeding 20,520m³ of gravel & 2280m³ of laterite by maintaining the ultimate depth of mining of 2m BGL subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:**

1. The proponent shall mandatorily appoint the statutory competent persons accordingly for the proposed quarry size to satisfy the provisions of Mines Act 1952.
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.


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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. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
5. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals.
6. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
7. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
8. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.
9. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
10. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers

engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.

11. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body, if any should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
12. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
13. The proponent shall ensure that the transportation of the mined mineral 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 materials; and transport of materials will be as per IRC Guidelines with respect to complying with traffic congestion and density.
14. 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.
15. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of mineral in the area for which such license or lease is granted.
16. 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.
17. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the


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- quarrying area and in a manner to preserve the environment and ecology of the area.
18. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
 19. 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.
 20. 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.
 21. 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.
 22. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under.
 23. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
 24. 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.
 25. 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.

26. As committed the PP shall transplant trees proposed to be removed.

27. As accepted by the Project proponent the CER amount of **Rs. 2 Lakhs** shall be spent for the Panchayat Union Primary School, Naduveerapattu, Cuddalore for the activities as committed before obtaining CTO from TNPCB.

Agenda No: 371- 14

(File No: 8712/2023)

Proposed Rough Stone quarry lease area over an extent of Extent 0.74.0 Ha at SF.No. 63 of Ayyapatti Village, Melur Taluk, Madurai District, Tamil Nadu by Thiru. K.Ilayaraja- For Environmental Clearance. (SIA/TN/MIN/421381/2023, Dated:08.03.2023)

The proposal was placed for appraisal in this 371st meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. K.Ilayaraja has applied for Environmental Clearance for the Proposed Rough Stone quarry lease area over an extent of Extent 0.74.0 Ha at SF.No. 63 of Ayyapatti Village, Melur Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 10 years. The production for 5 years not to exceed 70,165m³ of Rough stone to an ultimate depth of Mining 20m(10m Above ground level & 10m Below ground level).
4. ToR issued vide - Lr No -SEIAA-TN/F.No.8712/SEAC/ToR-1147/2020, Dated: 23.05.2022.
5. Public hearing was conducted on Dated 07.02.2023.

The proposal is for mining of Rough Stone and the salient features of the proposal are as follows:

Sl. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	Thiru.K.Ilayaraja S/o.Krishnan


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		W10/215, Pettai, Anna Nagar Karungalakudi, Melur Taluk Madurai District-625101
2	Type of quarrying	Rough Stone
3	S.F No. Of the quarry site	63
4	Village in which situated	Ayyapatti
5	Taluk in which situated	Melur
6	District in which situated	Madurai
7	Extent of quarry (in ha.)	0.74.0Ha
8	Latitude & Longitude	10°10'53.79"N to 10°10'57.00"N 78°22'58.27"E to 78°23'2.00"E
9	Topo sheet No.	58 - J/08
10	Type of mining	Opencast semi-Mechanized Mining
11	Period of quarrying proposed	5 years
12	Production (Quantity in m ³)	70165cu.m of Rough stone
13	Proposed Depth of quarrying	20m (10m above ground level + 10m below ground level)
14	Depth of Water Table	55m - 60m
15	Man Power requirement per day:	26 Nos.
16	Water requirement:	3.75 KLD
	1. Drinking & domestic purposes	1.25 KLD
	2. Dust suppression	1.0 KLD
	3. Green Belt	1.5 KLD
17	Power requirement	TNEB
	a. Domestic Purpose	
	b. Industrial purpose	2,94,348 Liters of HSD.
18	Precise area communication issued Assistant Director	Na.Ka.No.74/2021 – Kanimam Dated: 04.02.2021
19	Mining Plan approved by Deputy Director, G&M with date	Rc.No.74/Mines/2021, Dated: 12.07.2021

20	500m cluster letter issued by Deputy Director, G&M with date	Roc.No.74/Mines/2021, Dated: 16.07.2021
21	VAO certificate regarding habitation within 300m radius	21.07.2021
22	Project Cost (excluding EMP)	Rs. 37,05,000
23	EMP cost	Capital Cost - Rs 19,25,973 Recurring Cost - Rs 12,86,630
24	CER cost	5 lakhs
25	ToR issued details	Lr.No.SEIAA-TN/F.No.8712/SEAC/ToR-1147/2020 Dated: 23.05.2022
26	Public Hearing	07.02.2023

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the depth of mining up to 20m (10m – AGL + 10m BGL) and the production of 70,165 m³ of rough stone. The annual peak production shall not exceed 15,045m³ of Rough stone subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.


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

10. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
11. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
12. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
13. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
15. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
16. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
17. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the Government Higher Secondary School, Chokkalingapuram village as committed, before obtaining CTO from TNPCB.

Agenda No: 371 - 15

(File No: 8999/2023)

Proposed Rough Stone & gravel quarry lease area over an extent of Extent 3.03.0 Ha at SF. No. 908 & 914 of Panaiyadipatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. A. Subbaraman - For Environmental Clearance. (SIA/TN/MIN/413966/2023, Dated: 18.01.2023)


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The proposal was placed for appraisal in this 371st meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. A. Subbaraman has applied for Environmental Clearance for the Proposed Rough Stone & gravel quarry lease area over an extent of Extent 3.03.0 Ha at SF. No. 908 & 914 of Panaiyadipatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 2,10,505m³ of Rough stone & 88,280m³ of Gravel to an ultimate depth of Mining 30m Below ground level.
4. ToR issued vide - Lr No -SEIAA-TN/F.No.8999/SEAC/ToR-1153/2020, Dated: 06.06.2022.
5. Public hearing was conducted on Dated 13.09.2022.

During the presentation SEAC observed that some of the structures from Google imagery, hence SEAC decided to call for the following details.

1. The PP shall carry out a survey and enumerate the structures located within 50m, 100m, 200m and 300m radius from the proposed site, with details such as nature of structure, use, occupation, etc.

Upon the receipt of above said details, further deliberation shall be done.


Agenda No: 371 - 16

(File No: 9701/2022)

Proposed Gravel & Laterite quarry lease area over an extent of Extent 3.78.0 Ha at SF.No. 23/4A2, 25/1B1B, 25/1B2, 25/3 & 25/4 of Silambinathanpettai Village, Panruti Taluk, Cuddalore District, Tamil Nadu by Thiru. S. Mohanraj - For Environmental Clearance. (SIA/TN/MIN/412563/2022, Dated: 29.12.2022)

The proposal was placed for appraisal in this 371st meeting of SEAC held on 26.04.2023. 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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1. The project proponent, Thiru. S. Mohanraj has applied for Environmental Clearance for the Proposed Gravel & Laterite quarry lease area over an extent of Extent 3.78.0 Ha at SF.No. 23/4A2, 25/1B1B, 25/1B2, 25/3 & 25/4 of Silambinathanpettai Village, Panruti Taluk, Cuddalore District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 10 years. The production for 2 years not to exceed 68,768m³ of Gravel & 17,192m³ of Laterite to an ultimate depth of Mining 5m from existing surface level.

Based on the presentation and documents furnished by the project proponent, SEAC decided to obtain the following clarification.


1. The 500m radius cluster letter issued by the AD Geology & Mines has not mentioned about the existence of adjacent quarries/ proposals located in the same village - for example lease granted to Tmt. P. Indira, S.Nos. 24/2(p) & 25/1B1C & Tmt. K. Bhuvaneshwari S.Nos. 265/1B2A, 265/2B2A, 265/2B1, 265/1B2B, 265/2B2B, 265/2A & 276/13. Hence the necessary clarification from AD Mines & Geology shall be furnished.
2. As per the approved Mining plan submitted by the proponent the proposed bench height and width is 2.5m.

As per Metalliferous Mines Regulations, 1961 Chapter XI: Mine Workings
106 Opencast workings – In opencast workings, the following precautions shall be observed, namely: -

(1) In alluvial soil, moorum gravel, clay, debris or other similar ground -

(a)(i) the sides shall be sloped at an angle of safety not exceeding 45 degrees from the horizontal or such other angle as the Regional Inspector may permit by an order in writing and subject to such conditions as he may specify therein; or

(ii) the sides shall be kept benched and the height of any bench shall not exceed 1.5 metres and the breadth thereof shall not be less than the height:


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Hence, the proposed bench for the Gravel quarrying is more than that prescribed in the MMR, 1961 rules. Hence, the proponent is requested to revise the benches as per MMR,1961.

Upon the receipt of above said details, further deliberation shall be done.

Agenda No: 371 - 17

(File No: 9708/2022)

Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 0.84.0 Ha at SF.No. 50/18(Part) of Amburpettai Village, Vaniyambadi Taluk, Thirupathur District, Tamil Nadu by Thiru. B.Suresh - For Environmental Clearance. (SIA/TN/MIN/412508/2022, Dated: 29.12.2022)

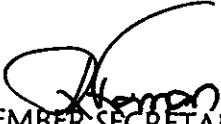
The proposal was placed for appraisal in this 371st meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, Thiru. B.Suresh has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 0.84.0 Ha at SF.No. 50/18(Part) of Amburpettai Village, Vaniyambadi Taluk, Thirupathur District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification,2006.
3. As per the mining plan, the lease period is for 10 years. The production for 5 years not to exceed 41,135m³ of Rough Stone, 10,922 m³ of Gravel & 5,332m³ of Weathered Rock to a depth of Mining 23m Below ground level.

Based on the presentation and documents furnished by the proponent, SEAC decided to call for additional details

1. The PP shall carry out a survey and enumerate the structures located within 50m, 100m, 200m and 300m radius of the proposed site, with details such as nature of structure, use, occupation, etc.
2. The proponent shall furnish the transport route that will be used to transport material from the quarry.
3. The proponent shall furnish the details of the location of the crusher and the transport route.

Upon the receipt of above said details, further deliberation shall be done.


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Agenda No: 371 - 18
(File No: 9722/2023)

Proposed Grey Granite quarry lease area over an extent of Extent 2.02.5 Ha at SF.No. 1022(P), 1023/2(P), 1024/2(P), & 1028(P) of Puligunda Village, Bargur Taluk (Formerly Krishnagiri), Krishnagiri District, Tamil Nadu by Thiru. T.R. Duraiselvam - For Environmental Clearance. (SIA/TN/MIN/413220/2023, Dated: 06.01.2023)

The proposal was placed for appraisal in this 371st meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. T.R. Duraiselvam has applied for Environmental Clearance for the Proposed Grey Granite quarry lease area over an extent of Extent 2.02.5 Ha at SF.No. 1022(P), 1023/2(P), 1024/2(P), & 1028(P) of Puligunda Village, Bargur Taluk (Formerly Krishnagiri), Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 20 years. The scheme of mining for the period 2019-2020 to 2023-24 had been submitted by the proponent and subsequently, the scheme of mining had been approved by Commissioner, Commissionerate of Geology and Mining vide Rc. No. 3853/MM4/2021 Dated: 17.12.2022 for the period 2022 - 2023 and 2023 - 2024 for production quantity of ROM - 6,000m³, Grey Granite 2,400 m³ @ 40% recovery & Granite Waste - 3,600 m³ @ 60% waste to an ultimate depth of Mining 28m below ground level.

The proposal is for mining of Grey Granite Quarry and the salient features of the proposal are as follows:

Sl. No	Details of the Proposal	Data Furnished
1.	Name of the Owner / Firm	Thiru. T. R. Duraiselvam S/o T.D.Ramamurthy, Thogarapalli Village & Post, Krishnagiri Taluk, Krishnagiri District - 635201.


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2.	Type of quarrying	Grey Granite Quarry
3.	S.F No. of the quarry site	1022(P), 1023/2(P), 1024/2(P), & 1028(P)
4.	Village in which situated	Puligunda
5.	Taluk in which situated	Bargur (Formerly Krishnagiri)
6.	District in which situated	Krishnagiri
7.	Extent of Quarry (in ha.)	2.02.5 ha
8.	Period of Quarrying proposed	5 years
9.	Type of Mining	Opencast mechanized mining method.
10.	Production (Quantity in m ³)	ROM – 3,000m ³ , Grey Granite 1,200 m ³ @ 40% recovery & Granite Waste – 1,800 m ³ @ 60% waste.
11.	Latitude & Longitude of all corners of the quarry site	12°25'59.21"N to 12°26'05.19"N 78°21'32.08"E to 78°21'38.41"E
12.	Topo sheet No.	57 -L/07
13.	Man power requirement per day:	35 Employees
14.	Precise Area Communication Letter	6014/MM5/2013, Dated: 19.11.2013
15.	Mining plan approved by the Commissioner of Geology & Mining with date	Rc.No. 3853/MM4/2021 Dated: 17.12.2022
16.	AD mines 500m cluster letter by the Deputy Director of Geology and Mining with date	Roc.No.1061/2018/Mines, Dated: 05.01.2023
17.	Water requirement: 1. Drinking & domestic purposed 2. Dust Suppression 3. Green Belt	2.9 KLD 0.9 KLD 1.0 KLD 1.0 KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 9,600 Liters of HSD.
19.	Depth of Mining	28m BGL
20.	Depth of Water table	63m in rainy season - 68m summer in season
21.	Project cost (Excluding EMP)	Rs. 2,11,24,000
22.	EMP cost	Capital cost: Rs. 42,88,500 Recurring cost: Rs. 12,10,000
23.	CER cost	Rs. 7.5 Lakhs
24.	VAO letter dated	28.12.2022.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance considering the safety aspect the depth of mining up to 28m BGL and should not exceed ROM – 3,000m³, Grey Granite 1,200 m³ @ 40% recovery & Granite Waste – 1,800 m³ @ 60% waste but not exceeding the annual peak production capacity of 3000m³ of ROM and 1200 m³ of Grey Granite for a period of up to 2023-2024 (or) the expiry of the lease period whichever is earlier, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall furnish certified Compliance report before obtaining before obtaining CTO from TNPCB.
3. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
4. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted.
5. 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.
6. The proponent shall obtain a 'Star Rating' system awarded by Anna University, Chennai annually to the mining lease being operated for their efforts and


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initiatives taken for successful implementation of the Sustainable Development Framework (SDF).

7. The proponent is requested to prepare & furnish the Standard Operating Procedure for using Diamond Wire Saw Cutting & Cranes in the proposed Granite Quarry before obtaining CTO.
8. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
9. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
10. 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.
11. 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.
12. 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.
13. 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.
14. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the

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

15. Noise and Vibration Related: (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
16. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
17. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
18. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
19. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
20. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
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.


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22. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
23. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) 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. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
26. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under.
27. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
28. 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.
29. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be

diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.

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

31. As accepted by the Project proponent the CER cost is Rs. 7.50 lakhs and the amount shall be spent for the Government Girls Higher Secondary School – Thogarappalli Village and lifelong maintenance of school toilets. as committed, before obtaining CTO from TNPCB

Agenda No: 371-19

(File No: 8461/2023)

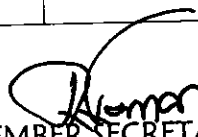
Proposed Rough Stone & Gravel quarry Lease over an extent of 2.46.0 Ha at S.F.No. 1265/5 (P), 1267/2A, 1267/2B, 1495/4 (P), 1495/5(P) & 1495/6(P) in Katchaikatti Village, Vadipatti Taluk, Madurai District, Tamil Nadu by Thiru. K. Ramesh – For Environmental Clearance. (SIA/TN/MIN/414513/2023 dated.13.01.2023)

The proposal was placed for appraisal in this 371st meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. K. Ramesh has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry Lease over an extent of 2.46.0 Ha at S.F.No. 1265/5 (P), 1267/2A, 1267/2B, 1495/4 (P), 1495/5(P) & 1495/6(P) in Katchaikatti Village, Vadipatti Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of item I(a) "Mining of Minerals Project' of the Schedule to the EIA Notification,2006.
3. The salient features of the project are as follows:

Sl. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	Thiru. K. Ramesh S/o. Kannan, D.No.7, New No.42, Ladapillai Street, Mahakalipatty, Madurai District – 625 001.


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2	Type of quarrying	Rough Stone and Gravel Quarry
3	S.F No. of the quarry site	1265/5 (P), 1267/2A, 1267/2B, 1495/4 (P), 1495/5(P) & 1495/6(P)
4	Village in which situated	Katchaikatti
5	Taluk in which situated	Vadipatti
6	District in which situated	Madurai
7	Extent of quarry (in ha.)	2.46.0 ha
8	Latitude & Longitude of all corners of the quarry site	10°04'32.29"N 78°0'17.45"E
9	Topo Sheet No.	58-J/4
10	Type of mining	Opencast Semi Mechanized Mining
11	Lease Period	10 years
12	Period of quarrying proposed	5 years
13	Production (Quantity in m ³)	3,02,270m ³ of Rough Stone and 40,142m ³ of gravel
14	Depth of mining	22m BGL
15	Depth of water table	35m BGL
16	Man Power requirement	18 Nos.
17	Water requirement:	3.0 KLD
	8. Drinking & Domestic Purposes	0.5 KLD
	9. Dust suppression	1.5 KLD
	10. Green Belt	1.0 KLD
18	Power requirement	2,48,498 liters of HSD for the entire project life
19	Precise area communication approved by Joint Director/ Assistant Director (i/c), Dept. of Geology & Mining with date	Roc.No.693/2020-Mines dated:04.01.2021.
20	Mining Plan approved by the Joint Director/ Assistant Director (i/c), Dept. of Geology and Mining with date	Roc.No.693/2020-Mines dated:27.01.2021.


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21	500m cluster letter issued by the Joint Director/ Assistant Director (i/c), Dept. of Geology and Mining with date	Roc.No.693/2020-Mines dated:08.02.2021.
22	VAO certificate regarding habitations in 300m radius	23.02.2021
23	Project Cost (excluding EMP)	Rs. 34,00,000/-
24	EMP cost	Capital Cost: Rs. 40,82,461/- Recurring Cost: 20,87,420/-
25	ToR details	ToR issued vide Lr.No: SEIAA-TN/ F.No.8461/ SEAC/ ToR-994/2021, Dated: 28.07.2021.
26	Public hearing conducted on	05.07.2022
27	EIA Report submitted on	18.01.2023

Based on the presentation and documents furnished by the project proponent, after detailed deliberations, **SEAC considering the safety aspects decided to recommend the proposal for the grant of Environmental Clearance for the restricted & revised quantity of 2,71,015m³ of Rough Stone and 36,392m³ of gravel with maintaining a depth of 22m Below ground level and the annual peak production of not exceeding 61,325m³ of rough stone**, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. PP shall upload the correct kml file in the Parivesh portal before obtaining EC.
3. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 before obtaining the CTO.


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4. The PP shall submit the 'Notice of Opening' of the quarry to the Regional Inspector/Director of Mines Safety, Chennai Region under the section 16 of the Mines Act, 1952 and in accordance with the Reg. 3 of MMR 1961 before obtaining the CTO.
5. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
6. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 / 10 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
7. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.
8. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
9. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
10. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
11. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the temple / habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
12. Within six months from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Suitable blast parameters for reducing the cumulative impact of blast-induced ground/air vibrations and fly rock caused

- due to operation of the quarries in the cluster by adopting appropriate controlled blasting techniques', by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
13. The PP shall carry out the scientific studies to assess the slope stability of the working benches and quarry wall within one year of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
14. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
15. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
16. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
17. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
18. As accepted by the Project proponent the CER cost is Rs. **5 lakhs** and the amount shall be spent for the Panchayat Union Primary School, Ramaiyanpatti Village for the activities as committed, before obtaining CTO from TNPCB.


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Agenda No: 371-20

(File No: 9063/2023)

Proposed Rough Stone quarry Lease over an extent of 2.02.50 Ha at S.F.No. 619/5 (Part) in Karungalakudi Village, Melur Taluk, Madurai District, Tamil Nadu by Thiru. K. Ilayaraja – For Environmental Clearance.

(SIA/TN/MIN/421313/2023 dated.08.03.2023)

The proposal was placed for appraisal in this 371st meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, **Thiru. K. Ilayaraja** has applied for Environmental Clearance for the Proposed Rough Stone quarry Lease over an extent of 2.02.50 Ha at S.F.No. 619/5 (Part) in Karungalakudi Village, Melur Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of item 1(a) "Mining of Minerals Project" of the Schedule to the EIA Notification, 2006.
3. The salient features of the project are as follows:

Sl. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	Thiru. K. Ilayaraja, S/o. Mr. Krishnan, W10/215, Pettai, Anna Nagar, Karungalakudi, Melur Taluk, Madurai District – 625 101.
2	Type of quarrying	Rough Stone Quarry
3	S.F No. of the quarry site	S.F.No. 619/5 (part)
4	Village in which situated	Karungalakudi
5	Taluk in which situated	Melur
6	District in which situated	Madurai
7	Extent of quarry (in ha.)	2.02.5 Ha
8	Latitude & Longitude of all corners of the quarry site	10°10'47.02"N to 10°10'53.05"N 78°22'51.72"E to 78°23'00.92"E


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9	Topo Sheet No.	58J/08
10	Type of mining	Opencast Semi mechanized / Manual Method
11	Lease Period	5 years
12	Period of quarrying proposed	5 years
13	Production (Quantity in m ³)	2,21,770m ³ of Rough Stone, and 2506m ³ of top soil
14	Depth of mining	30m Below Ground Level
15	Depth of water table	55m – 60m BGL
16	Man Power requirement	26 Nos.
17	Water requirement:	3.75 KLD
	11. Drinking & Domestic Purposes	1.25 KLD
	12. Dust suppression	1.0 KLD
	13. Green Belt	1.5 KLD
18	Power requirement	1,77,818 liters of HSD for the entire project life
19	Precise area communication approved by Joint Director/ Assistant Director (i/c), Dept. of Geology & Mining with date	Roc.No.85/2021-Mines dated:05.02.2021.
20	Mining Plan approved by the Deputy Director, Dept. of Geology and Mining with date	Roc.No.85/Mines/2021 dated:26.04.2021.
21	500m cluster letter issued by the Deputy Director Dept. of Geology and Mining with date	Roc.No.85/Mines/2021 dated:18.02.2022.
22	VAO certificate regarding habitations in 300m radius	Nil dated Enclosed
23	Project Cost (excluding EMP)	Rs. 56,00,000/-
24	EMP cost	Capital Cost: Rs.31,97,443/- Recurring Cost: Rs.18,53,880/-
25	ToR details	ToR issued vide Lr.No: SEIAA-TN/ F.No.9063/SEAC/ ToR -1174/2022, Dated: 14.06.2022.


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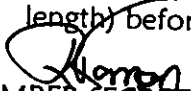
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26	Public hearing conducted on	07.02.2023
27	EIA Report submitted on	10.03.2023

Based on the presentation and documents furnished by the project proponent, after detailed deliberations, **SEAC considering the safety aspects decided to recommend the proposal for the grant of Environmental Clearance for the restricted quantity of 1,80,375m³ of Rough Stone and 2506m³ of topsoil with maintaining an ultimate depth of 30m Below ground level and the annual peak production of not exceeding 50,420m³ of rough stone, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:**

1. **The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.**
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 before obtaining the CTO.
3. The PP shall submit the 'Notice of Opening' of the quarry to the Regional Inspector/Director of Mines Safety, Chennai Region under the section 16 of the Mines Act, 1952 and in accordance with the Reg. 3 of MMR 1961 before obtaining the CTO.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 / 10 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.


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6. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.
7. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
8. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
9. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
10. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the temple / habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
11. Within six months from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Suitable blast parameters for reducing the cumulative impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarries in the cluster by adopting appropriate controlled blasting techniques', by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus, etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
12. The PP shall carry out the scientific studies to assess the slope stability of the working benches and quarry wall within one year of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG


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- Campus, etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
13. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
 14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
 15. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
 16. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
 17. As accepted by the Project proponent the CER cost is Rs. **5 lakhs** and the amount shall be spent for the Government Girls Higher Secondary School, Karungalakudi Village for the activities as committed, before obtaining CTO from TNPCB.

Agenda No: 371-21

(File No: 9702/2023)

Proposed Rough Stone & Gravel quarry Lease over an extent of 2.08.0 Ha at S.F.No. 59/2(P), 59/3(P), 59/4(P), 59/9(P), 59/10, 60/2 & 60/3 in Karattampatti Village, Musiri Taluk, Trichy District, Tamil Nadu by Thiru. A. Andi – For Environmental Clearance. (SIA/TN/MIN/411959/2022 dated.24.12.2022)

The proposal was placed for appraisal in this 371st meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. A. Andi has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry Lease over an extent of 2.08.0 Ha at S.F.No. 59/2(P), 59/3(P), 59/4(P), 59/9(P), 59/10, 60/2 & 60/3 in Karattampatti Village, Musiri Taluk, Trichy District, Tamil Nadu.


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2. The project/activity is covered under Category "B2" of item I(a) "Mining of Minerals Project' of the Schedule to the EIA Notification,2006.
3. Earlier appl No. **SIA/TN/MIN/256657/2022** dt: **15.02.2022** (File No. 9002/2022) was appraised vide 280th meeting of SEAC held on 02.06.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

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

The Committee noted that the Pulivalam Reserve Forest is located at a distance of 800m from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, **decided not to recommend the proposal and same was accepted in 526th meeting of SEIAA held on 30.06.2022.**

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

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

5. Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O.
6. Now, the Proponent has resubmitted the same proposal vide online application No. **SIA/TN/MIN/411959/2022** dated.**24.12.2022** (File No. 9702/2023) with all necessary supporting documents in order to obtain Environmental Clearance.


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Description	Old File	New File
File No	9002	9702
Online Proposal No for EC	SIA/TN/MIN/256657/2022 dated: 15.02.2022	SIA/TN/MIN/411959/2022 dated.24.12.2022

7. The salient features of the project are as follows:

Sl. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	Thiru. A.Andi, S/o. Ammasi Gounder, No.1275/A, Kattalaamman Kovil Street, Singalandapuram, Thuraiyur Taluk, Trichy District – 621 014.
2	Type of quarrying	Rough Stone and Gravel Quarry
3	S.F No. of the quarry site	59/2(P), 59/3(P), 59/4(P), 59/9(P), 59/10, 60/2 & 60/3
4	Village in which situated	Karattampatti
5	Taluk in which situated	Musiri
6	District in which situated	Trichy
7	Extent of quarry (in ha.)	2.08.0 Ha
8	Latitude & Longitude of all corners of the quarry site	11°02'54.15"N to 11°03'00.96"N 78°36'11.69"E to 78°36'15.85"E
9	Topo Sheet No.	58-1/12.
10	Type of mining	Opencast Mechanized Mining
11	Lease Period	10 years
12	Period of quarrying proposed	10 years
13	Production (Quantity in m ³)	3,01,940m ³ of Rough Stone, and 32,930m ³ of gravel
14	Depth of mining	47m Below Ground Level
15	Depth of water table	68m – 63m BGL

16	Man Power requirement	25 Nos.
17	Water requirement: 14. Drinking & Domestic Purposes 15. Dust suppression 16. Green Belt	3.2 KLD 0.7 KLD 2.0 KLD 0.5 KLD
18	Power requirement	1,26,194 liters of HSD for the entire project life
19	Precise area communication approved District Collector with date	Roc.No.416/2021-Mines dated:13.09.2021.
20	Mining Plan approved by the Assistant Director, Dept. of Geology and Mining with date	Roc.No.416/2021-Mines dated:05.10.2021.
21	500m cluster letter issued by the Assistant Director Dept. of Geology and Mining with date	Roc.No.416/2021-Mines dated:12.10.2021.
22	VAO certificate regarding habitations in 300m radius	20.12.2021.
23	Project Cost (excluding EMP)	Rs.69,85,000/-
24	EMP cost	Capital Cost: Rs.26,19,600/- Recurring Cost: Rs.19,32,640/-

Based on the presentation and documents furnished by the project proponent, after detailed deliberations, SEAC considering the safety aspects decided to recommend the proposal for the grant of Environmental Clearance for the restricted quantity of 3,00,300m³ of Rough Stone and 32,930m³ of gravel with maintaining an ultimate depth of 42m Below ground level and the annual peak production of not exceeding 35,770m³ of rough stone, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

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


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2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 before obtaining the CTO.
3. The PP shall submit the 'Notice of Opening' of the quarry to the Regional Inspector/Director of Mines Safety, Chennai Region under the section 16 of the Mines Act, 1952 and in accordance with the Reg. 3 of MMR 1961 before obtaining the CTO.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 / 10 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.
7. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
8. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
9. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
10. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the temple / habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.

11. Within six months from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Suitable blast parameters for reducing the cumulative impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarries in the cluster by adopting appropriate controlled blasting techniques', by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
12. The PP shall carry out the scientific studies to assess the slope stability of the working benches and quarry wall within one year of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
13. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
15. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
16. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
17. As accepted by the Project proponent the CER cost is Rs. **5 lakhs** and the amount shall be spent for the Government Higher Secondary School, Karattampatti


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Village, Musiri Taluk, Trichy for the activities as committed, before obtaining CTO from TNPCB.

Agenda No: 371-22

(File No: 3776/2021)

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

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

The SEAC noted the following:

1. The project proponent, Tvl. Bannari Amman Sugars Limited, has applied for Environmental Clearance for the proposed Black Granite (Dolerite) lease area over an extent of 1.91.0 Ha in S.F.No. 530/1, 530/2 at Puligunda Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006, as amended.

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

Now, the proposal was placed in this 352nd meeting of SEAC held on 08.02.2023. Based on the presentation made by the proponent and the documents furnished, the SEAC noted the following:

1. Previous EC was issued vide Lr. No.SEIAA-TN/F.No.5055/1(a)/ EC.No: 3237/2016 dated:06.07.2016 to Tvl. Bannari Amman Sugars Limited for Black Granite (Dolerite) lease area over an extent of 1.91.0 Ha in S.F.No. 530/1, 530/2 at Puligunda Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu for the production of 2025 cu.m Grey Granite to a depth of 9m.
2. MoEF&CC Notification S.O. 221(E), Dt:18.01.2021.
3. MoEF&CC Notification S.O. 1807(E), Dt: 12.04.2022.


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

5. As per the mining plan, total production for the first 5 years not to exceed RoM: 19130 m³, Grey Granite (50% recovery) – 9565 m³, Granite Waste (50%)- 9565 and the Ultimate depth not to exceed 19m. The annual peak production shall not exceed 1040 m³(4th year).

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

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

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

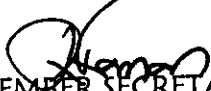
Based on the presentation made by the proponent, the SEAC recommend the proposal for ‘automatic extension to the respective increased validity’ as per the aforementioned OM issued by the MoEF & CC.

Further, as accepted by the Project Proponent the CER cost is **Rs. 8 Lakh** and the amount shall be spent for the committed activities before obtaining CTO from TNPCB

Subsequently, it was placed in 598th SEIAA meeting held on 1.3.2023 and the Authority noted that the subject was appraised in 352nd meeting of SEAC held on 08.02.2023. The SEAC decided to confirm that the proposal is entitled for ‘automatic extension to the respective increased validity’ as per the aforesaid OM issued by the MoEF & CC subject to the following commitment made by the Project Proponent (PP).

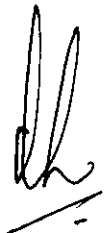
- As accepted by the PP the CER cost is **Rs. 8 Lakh** and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

The Authority, after detailed discussions, decided to call for the following clarification/ additional particulars from the PP: can receipt of the same the proposal shall be referred back to the SEAC for re-appraisal.


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1. Reply for the additional details sought by the Authority in its 469th meeting held on 13.10.2021
2. On perusal of the documents furnished by the PP it was noticed that the mined quantity of Granite is more than that permitted in the EC dated 08.02.2016 and subsequent EC Amendment dated 09.09.2020. A clarification in this regard may be obtained from the AD/Mines concerned.
3. Certified compliance report from the Competent Authority for the existing quarry.
4. Valid Mine plan/scheme of mining and approval letter.
5. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project shall be given

Hence, the proponent may be requested to submit approved scheme of mining.

In the view of the above, SEIAA decided to refer back the proposal to SEAC to examine the above-mentioned points and furnish its recommendation to SEIAA to take further course of action.

Now, the proposal was again placed in the 371st SEAC meeting held on 26.04.2023. During the presentation PP requested time to submit additional documents. Hence, SEAC decided to defer the proposal

Agenda No: 371 – 23


(File No: 3777/2021)

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

The proposal was placed in the 371st SEAC Meeting held on 26.04.2023. The details, furnished by the Proponent are given in the PARIVESH website. (parivesh.nic.in)

The SEAC noted the following:

1. The project proponent, Tvl. Bannari Amman Sugars Limited, has applied for Extension of validity of earlier issued Environmental Clearance for the existing Black Granite lease area over an extent of 4.80.5 Ha in S.F.No. 745, 780 & 786/1 at Puligunda Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu.


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2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. Earlier EC obtained – Lr.No.SEIAA-TN/F.No.3777/EC/1(a)/2802/2015 dated: 08.02.2016

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

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

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

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

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

"The Environment Clearances for which the project proponents have submitted the application for extension of validity as per the provisions of the EIA Notification 2006 as on the date of publication of Notification i.e., 12.04.2022


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shall stand automatically extended to respective increased validity as mentioned at Para no. 1 column (C) above.”

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

- As accepted by the Project Proponent the CER cost is **Rs. 2 Lakh** and the amount shall be spent towards Re-Construction of Toilets for Boys and Maintenance for Thogarapalli Government Higher Secondary School, Krishnagiri, before obtaining CTO from TNPCB.

Subsequently, the proposal was placed in the 598th Authority meeting held on 01.03.2023. The proposal is placed in this 352nd SEAC Meeting held on 08.02.2023. Based on the presentation made by the proponent, the SEAC decided to confirm that the proposal is entitled for 'automatic extension to the respective increased validity' as per the aforesaid OM issued by the MoEF& CC.

The authority after detailed deliberation, noted that

1. The proponent had submitted a proposal for extension of validity of earlier obtained EC vide online number SIA/TN/MIN/214898/2021 dated: 11/06/2021 in Form - 6 through Parivesh Portal.
2. Further, in the additional details to be uploaded in online, the proponent had uploaded Form – 1 submitting following details as below

4	New/ Expansion/ Modernization	It is an existing quarry operating with valid Environmental Clearance vides Lr.No. SEIAA-TN./F.No.3777/EC/1 (a)/2802/2015 Dated:08.02.2016. for the Quantity of 5,749m ³ of Black Granite, now the proposals submitted as increase of production capacity from 5,749m ³ to 25,807m ³
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From the above, it is ascertained that the proponent himself has accepted that there is an increase in production capacity from 5,749 cu.m to 25,807 cu.m and the proponent had applied in the column pertaining to expansion of production capacity. Hence, applicability of Notification dated: 12.04.2022 and OM clarification 13.12.2022 shall be clarified.

3. Further, in the Form – 1 uploaded by the proponent in Parivesh Portal, S.No.22

The first Scheme of Quarrying was prepared and submitted. Now this second Scheme of Quarrying is prepared and submitted for the period of 2016-17 to 2020-21 (five year).

The Second Scheme of Mining plan was approved by the Director, Department of Geology and Mining, Guindy, Chennai Vide Letter No. 6250/MM4/2020, Dated: 21.12.2020

Hence, from the above, it is ascertained that the validity of Scheme of Mining has expired as on Date.

4. The proponent is requested to submit certified compliance certificate (CCR) obtained from IRO, MoEF&CC.
5. The proponent is requested to submit EMP including progressive mine closure plan for the life of mine.
6. Further, the proponent had obtained EC earlier vide Lr. No. SEIAA-TN/F.No.3777/EC/1(a)/2802/2015 dated:08.02.2016 for a production capacity of 5299 cu.m. Hence, the Proponent may be requested to submit details regarding the proposed and achieved quantity during the earlier obtained EC period.

Hence, the proponent may be requested to submit approved scheme of mining.

In the view of the above, SEIAA decided to refer back the proposal to SEAC to examine the above-mentioned points and furnish its recommendation to SEIAA to take further course of action.


Now, the proposal was again placed in the 371st SEAC meeting held on 26.04.2023. During the presentation PP requested time to submit additional documents. Hence, SEAC decided to defer the proposal.

Agenda No: 371 - 24

(File No: 7844/2020)


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

The SEAC noted the following:


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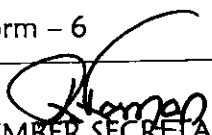

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1. The project proponent, TVL. Bannari Amman Sugars Limited has applied for Environmental Clearance for the Existing Black Granite quarry over an extent of 3.68.5 Ha at S.F.No. 781(Part), 744(Part), 526/2A, 526/2B, 526/3A, 526/3B, 529/2(Part), 529/3(Part), 529/4(Part), 531/1(Part), 531/2(Part) and 531/3(P), Puligunda Village, Bargur (Formerly Krishnagiri) Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier the proposal was placed in 265th SEAC meeting held on 21.04.2022. Based on the presentation made by the proponent and the documents furnished, SEAC decided that the project proponent shall furnish documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest Pulikonda R.F from the proposed quarry site.
On receipt of the aforesaid details, SEAC would further deliberate on the project and decide the further course of action.
4. Subsequently, the proposal was placed in the 510th Authority meeting held on 23.05.2022. In view of the above, the Authority after detailed discussion decided to refer back the proposal to SEAC after the receipt of following additional particulars from the project proponent with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.
 - i. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area from reputed research institutions on the following
 - a) Soil health & bio-diversity.
 - b) Climate change leading to Droughts, Floods etc.
 - c) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people.
 - d) Possibilities of water contamination and impact on aquatic ecosystem health.
 - e) Agriculture, Forestry & Traditional practices.
 - f) Hydrothermal/Geothermal effect due to destruction in the Environment.

- g) Bio-geochemical processes and its foot prints including environmental stress.
- h) Sediment geochemistry in the surface streams.
- ii. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
- iii. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
- iv. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
- v. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
- vi. Detailed Environment Management Plan including adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever is earlier.

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

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


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

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

"The validity of the Environmental Clearance, which had not expired as on the dated of publication of notification, i.e., 12/04/2022, shall stand automatically extended to respective increased validity as mentioned at para no. 1 column (C) above,"

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

- As accepted by the Project Proponent the CER cost is **Rs. 2 Lakh** and the amount shall be spent towards Re-Construction of Toilets for Girls and Maintenance for Thogarapalli Government Higher Secondary School, Krishnagiri, for the committed activities before obtaining CTO from TNPCB.

Subsequently, the proposal was placed in the 598th Authority meeting held on 01.03.2023. The proposal is placed in this 352nd SEAC Meeting held on 08.02.2023. Based on the presentation made by the proponent, the SEAC decided to confirm that the proposal is entitled for 'automatic extension to the respective increased validity' as per the aforesaid OM issued by the MoEF& CC.

The authority after detailed deliberation, noted that

- i) Upon the scrutiny of unapproved mining plan, it is ascertained that the proponent had achieved excess recovery than the approved quantity in the earlier EC issued vide Lr.No. SEIAA-TN/F.No.3775/EC/1(a)/2804/2015 Dated: 08.02.2016.


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Proposed and actual Production particulars from the commencement of quarry operations:

Table -2

Year	Proposed		Achieved Production (m ³)	Period
	ROM	Production @ 5%		
2008 - 09	1000	50	Nil	Mining Plan Period
2009 - 10	2000	100	Nil	
2010 - 11	2000	100	20,380	
2011 - 12	2000	100	971,780	
2012 - 13	2000	100	149,000	
Total	9000	450	1,141,160	
2013 - 14	-	-	2,837,536	1 st Scheme Period
2014 - 15	12000	600	1251,500	
2015 - 16	12000	600	1050,014	
2016 - 17	12010	601	1271,183	
2017 - 18	11970	599	1180,544	
Total	47980	2400	7,590,777	
Grand Total	56980	2850	8,731,937	

Hence, as per the EC General condition point no. 3 & 4, the proponent must have informed SEIAA regarding the increase in the recovery percentage.

Further, as per the OM dated: 07.07.2021, SoP regarding handling of violation cases, MoEF&CC has defined

"... 'Violation' means cases where projects have either started the construction work or installation or excavation, whichever is earlier, on site or have expanded the production capacity and / or project area beyond the limit specified in the Environmental Clearance (Prior-EC) without obtaining Prior-EC or change of scope without prior approval from the ministry."

- i) The proponent is requested to submit approved scheme of mining plan.
- ii) The proponent is requested to submit certified compliance certificate (CCR) obtained from IRO, MoEF&CC.
- iii) The proponent is requested to submit EMP including progressive mine closure plan for the life of mine.

In the view of the above, SEIAA decided to refer back the proposal to SEAC to examine the above-mentioned points and furnish its recommendation to SEIAA to take further course of action.

Now, the proposal was again placed in the 371st SEAC meeting held on 26.04.2023. During the presentation PP requested time to submit additional documents. Hence, SEAC decided to defer the proposal.


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Agenda No: 371 – TA

(File No: 7991/2023)

Proposed Rough Stone and Gravel quarry lease area over an extent of Extent 1.05.0 Ha at SF. No. 909, 911/2 (Part) of Panaiyadipatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. A. Subbaraman - For Environmental Clearance. (SIA/TN/MIN/415624/2023 Dt. 24.01.2023)

The proposal was placed for appraisal in this 370th meeting of SEAC held on 25.04.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, Thiru. A. Subbaraman has applied for Environmental Clearance for the Proposed Rough Stone and Gravel quarry lease area over an extent of Extent 1.05.0 Ha at S.F.No. 909, 911/2 (Part) of Panaiyadipatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 92,950m³ of Rough stone and 14,458m³ of Gravel with an ultimate depth of Mining 27m below ground level.
4. ToR issued vide - Lr No -SEIAA-TN/F.No.7991/SEAC/ToR-1033/2020, Dated: 07.09.2021.
5. Public hearing was conducted on Dated 13.09.2022.
6. Earlier the proposal was placed in 370th SEAC meeting held on 25.04.2023. During the presentation, committee decided to defer the proposal and take up for appraisal in the ensuing meeting.

Now the proposal was placed in 371st SEAC meeting held on 26.04.2023. During the presentation SEAC observed that some of the structures from Google imagery, hence SEAC decided to call for the following details.

1. The PP shall carry out a survey and enumerate on the structures located within 50m, 100m, 200m and 300m radius from the proposed site, with details such as nature of structure, use, occupation, etc.

Upon the receipt of above said details, further deliberation shall be done.


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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, Tamilnadu.
9. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
10. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
11. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper escapements as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
13. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime.

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

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


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

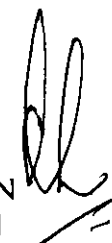
quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.

26. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.

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

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


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Appendix - I
List of Native Trees Suggested for Planting

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

40	<i>Premna mollissima</i>	Munnai	முள்ளை
41	<i>Premna serratifolia</i>	Narumunai	நறு முள்ளை
42	<i>Premna tomentosa</i>	Malaiipoovarasu	மலை பூவரசு
43	<i>Prosopis cinerea</i>	Vanni maram	வள்ளி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வெண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjiva roxburghii</i>	Karipala	கறிபாலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிப்புங்கள் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Piray maram	பீராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தான் கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia bellerica</i>	Thandri	தாண்டி
56	<i>Terminalia arjuna</i>	Ven marudhu	வெண் 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	கொடுக்காப்புளி

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

-----சரங்கம்

சரங்கங்களில் சுவாரி செயல்பாடுகளுக்கான கற்றுத்தழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/-----, தேதியிடப்பட்டு கற்றுத்தழல் அனுமதி----- தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகைம பகுதி வளர்ச்சி மேம்பாட்டுக்கான கரங்கத் திட்டம்	சுவாரியின் எல்லைவயச் சுற்றி வேலி அமைக்க வேண்டும் கரங்கப்பாளையின் ஆழம் தராமட்டத்திலிருந்து... மீட்டர்க்கு மிகமல் இருக்க வேண்டும் காற்றில் மாக ஏற்படாதவாறு கரங்க பணிகளை மேற்கொள்ள வேண்டும்.
நடப்பட்டு பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இரைச்சல் அளவைவயம் ஓரி மாகபாட்டையும் குறைப்பதற்காக சுவாரியின் எல்லைவய சுற்றி அடர்த்தியான பகைம பகுதியை ஏற்படுத்த வேண்டும்.
கரங்கத்தில் வெடி வைக்கும்பொழுது தலைதிரிவுகள் ஏற்படாதவாறும் மற்றும் கற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உள்ளிப்பாக செயல்படுத்தப்பட வேண்டும்.	
கரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிபிபல்ஸ் (dB) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
கரங்க சட்ட விதிகள் 1986ன் கீழ் கரங்கத்தில் உள்ள பணியர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு சுகாதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வட்டமாக வாகனங்கள் செல்லும் சாலைவயை தொடர்ந்து தனக்கு பராமரிக்க வேண்டும்.	
கரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
தீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் திலத்தடி தீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
கரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் கற்றுத்தழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
கரங்கப்பணிகள் முடிக்கப்பட்டவுடன் கரங்க மூடல் திட்டத்தில் உள்ளவாறு கரங்கத்தினை மூட வேண்டும்.	
கரங்க நடவடிக்கைகளை முடித்துவிட்ட கரங்கப் பகுதி மற்றும் கரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகைமப்பகுதியை உருவாக்க வேண்டும்.	
(முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ் (http://parivesh.nic.in) என்பது இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித கற்றுத்தழல் சார்ந்த புகார்களுக்கு சென்னைவில் உள்ள கற்றுத்தழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாசு கட்டுப்பாடு வாரியத்தின் மாவட்ட கற்றுத்தழல் செயற்பாளரை அணுகவும்)	


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