

State Expert Appraisal Committee (SEAC)

Minutes of 388th meeting of the State Expert Appraisal Committee (SEAC) held on 30.06.2023 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects

Agenda No: 388 - 01

(File No: 9973/2023)

Proposed Rough Stone & Gravel Quarry lease over an extent of 2.02.5Ha S.F.No.236/2B (P), 236/3B (P), 236/4 (P), 237/1A, 237/1B & 237/3 (P), Vairapuram Village, Tindivanam Taluk, Viluppuram District by M/s. V. K. New Technologies Blue Metals - For Environmental Clearance. (SIA/TN/MIN/424280/2023, dt: 01.04.2023)

The proposal was placed in 388th SEAC Meeting held on 30.06.2023. The project proponent gave detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. V. K. New Technologies Blue Metals has applied for Environmental Clearance for the Rough stone & gravel quarry lease over an extent of 2.02.5Ha (Patta Land) S.F.No.236/2B (P), 236/3B (P), 236/4 (P), 237/1A, 237/1B & 237/3 (P), Vairapuram Village, Tindivanam Taluk, Viluppuram District by M/s.V.K.New Technologies Blue Metals, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. The precise area communication was issued for the period of 5 years. The approved mining plan is for the period of 1st five years & production should not exceed 190335m³ of Rough Stone & 30148m³ of Gravel. The annual peak production is 44950m³ cu.m of Rough Stone (3rd Year) & 11188m³ of Gravel (3rd Year). The depth of mining is 22m BGL.

Based on the presentation and documents furnished by the project proponent, SEAC decided to seek following additional details

- i) To enumerate the details of farm lands within 1km radius around the proposed mining area and its agricultural vegetation pattern details with source of water including seasonal crops.


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- ii) To enumerate the details of wells, tank, waterbodies within 1km radius around the proposed mining area and impact of proposed mining activity on the wells/ ground water table within 1km radius.
- iii) Scientific Report on analysis of topsoil composition including the presence of micro-organic contents to be obtained from any one of the institutes - University of Madras-Centre for Environmental Sciences, Chennai and TN-Agricultural University, Coimbatore.
- iv) Details of transport route of the proposed quarried minerals and its impact on the habitations.

Agenda No: 388 – 02.

(File No: 9994 /2023)

Proposed Rough Stone Quarry over an extent of 2.79.5Ha (Government Poramboke Land) SF.No.620/2 of Poolancheri Village, Musiri Taluk, Tiruchirappalli District by Tmt.D.Dhanalakshmi - For Environmental Clearance. (SIA/TN/MIN/425080/2023, dt 06.04.2023)

The proposal was placed in 388th SEAC Meeting held on 30.06.2023. The project proponent gave detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Tmt.D.Dhanalakshmi has applied for Environmental Clearance for the Rough Stone Quarry over an extent of 2.79.5Ha (Government Poramboke Land) SF.No.620/2 of Poolancheri Village, Musiri Taluk, Tiruchirappalli District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. The precise area communication was issued for the period of 5 Years. The approved mining plan is for the period of 1st five years & production should not exceed 153100m³ of Rough Stone & 8415m³ of Weathered rock & 13154m³ of Topsoil. The annual peak production is 33330m³ of Rough Stone (3rd Year) & 7329m³ of Weathered rock (1st Year) & 10586m³ of Topsoil (1st Year). The depth of mining is 33m BGL.


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Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	Tmt.D.Dhanalakshmi, W/o.Dharmalingam, : No.20/3, Parvathi puram, Musiri Taluk, Tiruchirappalli District Tamil Nadu State-621211	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	: Rough Stone	
3.	S.F Nos. of the quarry site with area break-up	: 620/2 (Government Poramboke Land)	
4.	Village in which situated	: Poolancheri	
5.	Taluk in which situated	: Musiri	
6.	District in which situated	: Tiruchirappalli	
7.	Extent of quarry (in ha.)	: 2.79.5Ha	
8.	Latitude & Longitude of all corners of the quarry site	: 11°03'09.0370"N to 11°03'16.0931"N 78°23'23.7547"E to 78°23'32.6689"E	
9.	Topo Sheet No.	: 58-I/08	
10.	Type of mining	: Opencast Mechanized Mining	
11.	Life of Project	: 5 Years	
	Lease Period	: 5 Years	
	Mining Plan Period	: 5 Years	
12.	Mining Plan Details	: As per approved Mining Plan	
	Geological Resources m ³ (RoM)	Rough Stone in m ³	Weathered Rock in m ³
		675050m ³	16193m ³
			Topsoil in m ³ 23804m ³

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	Mineable Resources m ³ (RoM)	:	Rough Stone in m ³	Weathered Rock in m ³	Topsoil in m ³
			153100m ³	8415m ³	13154m ³
	Annual Peak Production in m ³	:	Rough Stone in m ³	Weathered Rock in m ³	Topsoil in m ³
			33330m ³	7329 m ³	10586 m ³
	Maximum Depth in meters.	:	33 m		
13.	Depth of water table	:	70m-65m BGL		
14.	Man Power requirement per day:	:	22Nos		
15.	Water requirement: 1. Drinking water 2. Utilized water 3. Dust suppression 4. Green belt	:	1.5 KLD 0.3 KLD 0.7 KLD 0.5 KLD		
16.	Power requirement	:	TNEB		
17.	Precise area communication approved by the District Collector.	:	Na.Ka.No.978/2021/Kanimam-R.5-3, dt: 24.08.2022		
18.	Mining Plan approved by the Assistant Director, Department of G&M.	:	Roc.No.978/2021/Mines-R.5-3, dt: 31.10.2022		
19.	500m radius Cluster Letter issued by the Assistant Director, Department of G&M.	:	Roc.No.978/2021/Mines-R.5-3, dt: 23.03.2023		
20.	VAO Certificate regarding Structures within 300m Radius	:	letter Furnished dt: 10.10.2022		


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21.	Project Cost (excluding EMP cost)	:	Rs.92.40 Lakhs		
22.	EC Recommendation	:	1st Five Years production plan revised quantity considering safety and sustainable mining due to high wall.		
			Rough Stone in m ³	Weathered Rock in m ³	Topsoil in m ³
		Max Total RoM in m ³	151360 m ³	8415 m ³	13154 m ³
		Annual Max RoM in m ³	32650 m ³	7329 m ³	10586 m ³
		Max Depth in mtrs	33 m		
23.	EMP cost (in Rs. Lakh).	:	Rs.116.8 Lakhs/5 Years including capital & recurring cost with 5% Inflation cost anticipated every year.		
24.	CER cost (in Rs. Lakh).	:	Rs.5 Lakhs		

Based on the presentation and documents furnished by the project proponent, SEAC after considering safety and sustainable mining due to the high wall in the XY-AB & XY-CD section decided to recommend the proposal for the grant of Environmental Clearance for the revised quantity of 151360m³ of Rough Stone & 8415m³ of Weathered rock & 13154m³ of Topsoil and the annual peak production shall not exceed 32650m³ of Rough Stone & 7329m³ of Weathered rock & 10586m³ of Topsoil by restricting the ultimate depth of mining upto 33m BGL and for the period five Years 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 proponent shall carryout plantation of 1680 Nos. of tall saplings of native species within the proposed mining area as committed before obtaining CTO from TNPCB.
- 3) The proponent shall carryout fencing around the within the proposed mining area as committed before obtaining CTO from TNPCB.
- 4) Since the structures are situated within a radial distance of 400 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
- 5) As the existing quarry possess the highwall of 18 m at one side of the pit, the PP shall carry out the scientific studies to assess the slope stability of the proposed working benches and existing quarry wall within a period one year from the execution of lease, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.

- 6) As accepted by the Project Proponent the CER cost of Rs.5 Lakhs and the amount shall be spent for the Government Higher Secondary School, Pappapatti, Poolancheri Village, Musiri Taluk, Tiruchirappalli District before obtaining CTO from TNPCB.

Agenda No: 388 - 03.

(File No: 8961/2022)


Proposed Rough Stone and Gravel quarry lease over an extent of 0.90.0Ha in S.F.Nos.420/3 & 420/7 of Palamathi Village, Vellore Taluk, Vellore District by Dr. V.S.

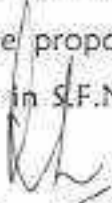
Vijay - For Environmental Clearance. (SIA/TN/MIN/415618/2023 Dr: 23.01.2023)

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

The SEAC noted the following:

1. The Project Proponent, Thiru V.S. Vijay has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 0.90.0 Ha in S.F.Nos. 420/3 & 420/7 of Palamathi Village, Vellore Taluk, Vellore District, Tamil Nadu.
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proposal vide online SIA/TN/MIN/251114/2022 Dated 13.01.2022 was placed in the 279th Meeting of SEAC held on 28.05.2022 and noted that the Palamalai Reserve Forest is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal. Subsequently, the proposal was placed in the 525th Authority meeting held on 29.06.2022 and authority accepted the decision of SEAC and rejected the said online proposal.
4. As per G.O. (Ms.) No. 243 Industries, Investment promotion and Commerce (MMC.I) Department dated 14.12.2022. Again, the project proponent, Thiru V.S. Vijay has again applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 0.90 Ha in S.F.Nos.


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420/3 & 420/7 of Palamathi Village, Vellore Taluk, Vellore District, Tamil Nadu
vide online proposal No. SIA/TN/MIN/415618/2023 Dt: 23.01.2023.

5. Precise area communication period is 5 Years. The mining plan is for the period of 5 years & the production should not exceed 32.420 cu.m. of Rough Stone and 6.630 Cu.m of Gravel. The annual peak production shall not exceed 6530Cu.m of Rough Stone (5th Year) & 2808 Cu.m of Gravel (1st Year). The ultimate depth – 22m BGL.
6. Earlier, the proposal was placed in this 353rd Meeting of SEAC held on 09.02.2023. SEAC decided to call for additional particulars as stated therein.
7. The Salient Features of the proposal:

Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thiru. Dr.V.S.Vijay S/o.Selvaraj Old No.15, New No.55, Thiyagarajapuram Vellore District-632001
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone and Gravel
3.	S.F Nos. of the quarry site with area break-up	:	420/3 & 420/7
4.	Village in which situated	:	Palamathi
5.	Taluk in which situated	:	Vellore
6.	District in which situated	:	Vellore
7.	Extent of quarry (in ha.)	:	0.90.0Ha
8.	Latitude & Longitude of all corners of the quarry site	:	12°52'07.89"N to 12°52'12.00"N 79°10'51.02"E to 79°10'55.64"E


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9.	Topo Sheet No.	:	57- P/01
10.	Type of mining	:	Opencast Semi Mechanized Mining
11.	Life of Project	:	5 Years
	Lease Period	:	5 Years
	Mining Plan Period	:	5 Years
12.	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m ³ (RoM)	:	Rough Stone in m ³
		:	Gravel in m ³
	Mineable Resources m ³ (RoM)	:	120640m ³
		:	12064m ³
	Annual Peak Production in m ³	:	Rough Stone in m ³
		:	Gravel in m ³
13.	Depth of water table	:	66m-63m BGL
		:	
14.	Man Power requirement per day:	:	16 Nos.
15.	Water requirement:	:	2.5 KLD
	1. Drinking water	:	0.8 KLD
	2. Utilized water	:	0.7 KLD
	3. Dust suppression	:	0.5 KLD
	4. Green belt	:	0.5 KLD
16.	Power requirement	:	TNEB
	a. Domestic Purpose	:	
	b. Industrial Purpose	:	
17.	Precise area communication approved by Assistant	:	Rc.No.32/2021 (Mines). Dated: 18.11.2021

	Director, Department of G&M.														
18.	Mining Plan approved by Assistant Director, Department of G&M.	:	Rc.No.32/2021 (Mines), Dated: 20.11.2021												
19.	500m Cluster Letter by the Assistant Director, Department of G&M.		Rc.No.32/2021 (Mines), Dated: 27.12.2021												
20.	VAO Certificate Regarding Structures within 300m Radius		Letter Furnished 14.12.2021												
21.	Project Cost (excluding EMP cost)	:	Rs.47.60 Lakhs												
22.	EC Recommendation	:	1st Five Years as per approved mining plan												
		:	<table><tr><td></td><td>Rough Stone in m³</td><td>Gravel in m³</td></tr><tr><td>Max Total RoM in m³</td><td>32420 m³</td><td>6630m³</td></tr><tr><td>Annual Max RoM in m³</td><td>6530 m³</td><td>2808 m³</td></tr><tr><td>Max Depth in mtrs</td><td colspan="2">17 m</td></tr></table>		Rough Stone in m ³	Gravel in m ³	Max Total RoM in m ³	32420 m ³	6630m ³	Annual Max RoM in m ³	6530 m ³	2808 m ³	Max Depth in mtrs	17 m	
			Rough Stone in m ³	Gravel in m ³											
		Max Total RoM in m ³	32420 m ³	6630m ³											
		Annual Max RoM in m ³	6530 m ³	2808 m ³											
Max Depth in mtrs	17 m														
:															
:															
:															
23.	EMP cost (in Rs. Lakh).	:	EMP Cost – Rs. 79.68 Crores /5 Years including capital & recurring cost with 5% inflation cost anticipated every year.												
24.	CER cost (in Rs. Lakh).	:	Rs.5 Lakhs												

In this connection, the project proponent has furnished reply vide Lr. dt:24.05.2023. The proposal was again placed for appraisal in 388th SEAC Meeting held on 30.06.2023.

S.No.	Raised ADS	PP Reply
353 rd SEAC Meeting ADS RAISED BY SEAC dated – 09.02.2023		
1.	Details of approved layout/structures/buildings, reservoir, canal, highways, railway lines, water bodies, reserve forest, village road, cart track, stream, courses within/outside the radius of 50 m, 100 m, 150 m, 200 m, 250 m & 300 m of the proposed mining area.	A 60 m safety distance is provided for the Punganur Reserve Forest on the Northern side of the mine lease area. Dense trees are proposed to be planted on the Northern side of the project site to mitigate the dust generation from the project site towards the Reserve Forest. A total of 4 structures are present within the 300 m radius of the mine lease area.
2.	A detailed report on 'Environmental Impacts due to the proposed quarrying operation on the ecology of the area prepared by a reputed institute.	Detailed study on the Environmental Impacts due to the proposed quarrying operation on ecology of the area was conducted by M/s. Eco Tech Labs Pvt. Ltd, by the NABET accredited Functional Area expert and the report of the same along with the mitigation measures is enclosed. No thick and rich vegetation are present at the mine lease area, it is a barren land. Hence there will not be any major impacts on the flora due to the proposed project. The trees present at the site is Neem, Panai, Coconut, Mullu maram and Guava. A count of 15 trees will be removed during the mining operation.

		<p>A total of trees are proposed to be planted inside (200 no.s) and outside the mine lease area (300 no.s). To compensate the tree cutting and to mitigate the impact due to dust generation and noise from the mining activity on Punganur Reserve Forest, it is proposed to plant dense trees (500 trees) additionally in 60 m on the northern side of the mine lease area.</p> <p>No aquatic flora is present at and near the mine lease area, hence no impact on aquatic flora. No endangered and Schedule I species are present at and near the project site. There will not be any major impact on the fauna due to the proposed mining activities. As main mitigation measures the 60-meter buffer (Northern side of the Project Site) in our patta land is maintained from the forest land and the full 60 meter buffer area will be used for green belt development of thick native tree species with row plantation method of 10 rows with 5 meter distance which will act as green thick barrier for the dust pollution. We proposed to provide the sheet fencing in the Northern boundary to mitigate the fly rock from the mining for the height of 30 feet in our boundary</p>
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		Trench provision for 3-meter width and 2 meter depth to mitigate the vibration during mining operation in the northern Direction.
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In this connection, the proposal was placed in 388th SEAC Meeting held on 30.06.2023. Based on the presentation & documents furnished and the Committee carefully examined the points raised by SEAC and the replies given by the PP. The SEAC after detailed discussion decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production of not exceeding 6530Cu.m of Rough Stone & 2808 Cu.m of Gravel by restricting the ultimate depth of mining upto 17m BGL and 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 proponent shall ensure adequate safety for the Reserve Forest and shall maintain the Sheet fencing & trench of adequate Size around the proposed mining area and 3 rows of plantation in the North & North- Western direction boundary of the proposed mining area as committed.
- 3) The proponent shall always maintain the buffer zone of 60m away from the Reserve Forest as well as Installation of Sheet fencing, trench of adequate Size and 3 rows of plantation around the proposed mining area all the time.
- 4) The PP shall strictly adhere to the provisions provided in the Annexure to safeguard the existence of Reserved Forest/Reserve Land at a distance of less than 1km from the project site.
- 5) The PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock

from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-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 without any deviation.

- 6) The PP shall furnish the Standard Operating Procedures (SoP) for carrying out the blasting operations in the proposed quarry to the AD (Mines) at the time of lease execution.
- 7) As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs and the amount shall be spent for the Government High School, Palamathi Village before obtaining CTO from TNPCB.

Agenda No: 388-04

(File No: 9967/2023)

Proposed Rough Stone and Gravel Quarry over an extent of 3.40.0 Ha at S.F. Nos.145 (P), 149 (P) and 151 (P) of Kumbikulam Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by M/s. Royal Aggregate Resources-For Environmental Clearance. (SIA/TN/MIN/424324/2023, dated: 03.04.2023).

The proposal was placed in this 388th Meeting of SEAC held on 30.06.2023. 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, M/s. Royal Aggregate Resources has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an extent of 3.40.0 Ha at S.F. Nos.145 (P), 149 (P) and 151 (P) in Kumbikulam Village, Radhapuram Taluk, Tirunelveli District Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item I(a) "Mining Projects" 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 & production should not exceed 593830 m³ of Rough Stone & 55490 m³ of Gravel with ultimate depth of mining 52m BGL.


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4. The salient features of the proposed project as follows

Based on the presentation made and scrutinizing the documents furnished by the Project proponent, SEAC has observed that the SEIAA had granted Environmental Clearance to Tmt. P.Selva Azhagi, for mining of Rough Stone and Gravel at over an Extent of 2.42.0 Ha of Patta lands in S.F.Nos.162/5 (P), 162/6 (P) & 162/7(P) of the same area located adjacent to the current proposal.

Therefore, the SEAC decided that the proponent shall furnish the revised 500m cluster certificate obtained from the concerned AD (Mines) by indicating the list of Existing, Abandoned and Proposed Quarries in the lease area.

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

Agenda No: 388-05

(File No: 9981/2023)

Proposed Rough Stone and Gravel Quarry over an extent of 1.41.24Ha at S.F. No. 3/6A in Pottipuram Village, Uthamapalayam Taluk, Theni District., Tamil Nadu by Thiru.R.Manoharan-For Environmental Clearance. (SIA/TN/MIN/424513/2023, dated:03.04.2023).

The proposal was placed in this 388th Meeting of SEAC held on 30.06.2023. 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.Manoharan has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an extent of 1.41.24Ha at S.F. Nos. 3/6A in Pottipuram Village, Uthamapalayam Taluk, Theni 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 5 years. The mining plan is for the period of five years & production should not exceed 105530 m³ of Rough Stone & 41700 m³ of Gravel with ultimate depth of mining 29m BGL.
4. The salient features of the proposed project as follows

File No	9981	Category	"B2" 1(a)
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	SIA/TN/MIN/424513/2023, 03.04.2023		EC
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thiru.R.Manoharan, S/o.Ramar, No.84/2, Middle Street, T.Ovulapuram, T,Meenakshipuram, Uthamapalayam Taluk, Theni District - 625530
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone and Gravel Quarry
3.	S.F Nos. of the quarry site with area break-up	:	3/6A
4.	Village in which situated	:	Pottipuram
5.	Taluk in which situated	:	Uthamapalayam
6.	District in which situated	:	Theni
7.	Extent of quarry (in ha.)	:	1.41.24Ha
8.	Latitude & Longitude of all corners of the quarry site	:	09°56'46.04"N to 09°56'51.69"N 77°17'31.47"E to 77°17'35.69"E
9.	Topo Sheet No.	:	58 G/05
10.	Type of mining	:	Opencast semi mechanized mining
11.	Life of Project	:	10 years
	Lease Period	:	10 years
	Mining Plan Period	:	5 years
12.	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m ³ (RoM)	:	Rough Stone – 3,52,625 m ³
		:	Gravel – 56,420 m ³


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	Mina ble Resources m ³ (RoM)	:	Rough Stone -1.05.350 m ³
		:	Gravel - 41,700 m ³
	Annual Peak Production in m ³	:	Rough Stone -21575 m ³
		:	Gravel -21000 m ³
	Maximum Depth in meters	:	29m BGL
13.	Depth of water table	:	58m BGL
14.	Man Power requirement per day:	:	21 Nos.
15.	Water requirement:		2.5 KLD
	1. Drinking water	:	0.5 KLD
	2. Dust suppression	:	1.5 KLD
	3. Green belt	:	0.5 KLD
16.	Power requirement.		TNEB -
17.	Precise area communication approved by the Assistant Director.	:	Rc.No.1115/Kanimam/2022 dated 06.01.2023
18.	Mining Plan approved by Assistant Director, Dept. of Geology & Mining.	:	Rc.No.1115/Kanimam/2022 dated 31.01.2023
19.	Assistant Director, Dept. of Geology & Mining 500m Cluster Letter.		Rc.No.1115/Kanimam/2022 dated 02.02.2023
20.	VAO Certificate Regarding Structures within 300m Radius		Letter Dated: 01.02.2023
21.	Project Cost (excluding EMP cost)	:	Rs. 57,57,440/-

22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Gravel
		:	Max Total RoM in m³	105350 m³	41700 m³
		:	Annual Max RoM in m³	21575 m³	21000 m³
		:	Max Depth in mtrs.	29m BGL	
23.	EMP cost (in Rs. Lakh).	:	Capital cost – Rs. 16.64Lakhs recurring cost/annum – Rs. 14.19Lakhs		
24.	CER cost (in Rs. Lakh).	:	Rs. 5,00,000 /- as accepted by the PP		

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 Annual peak production capacity of 21575 m³ of Rough stone & 21000 m³ of Gravel by maintaining an ultimate pit depth of 29 m as per approved mining plan and subject to the standard conditions & normal conditions stipulated by MoEF&CC, in addition to the following specific conditions:

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


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- 2) The PP shall carry out the adequate mitigating measures to conserve the top soil with proper vegetation for the quantity of top soil excavated from the lease.
- 3) The PP shall strictly adhere to the provisions provided in the Annexure to safeguard the existence of Reserved Forest/Reserve Land at a distance of 580 m from the project site.
- 4) Since few structures are located within 300 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air vibrations and fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-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 without any deviation.
- 5) As accepted by the Project Proponent the CER cost of Rs. 5.0lakhs and the amount shall be spent for the Government Middle School, T.Pudukottai village before obtaining CTO from TNPCB.


Agenda No: 388-06

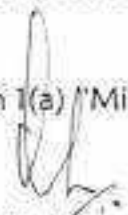
(File No: 9988/2023)

Proposed Rough Stone Quarry over an extent of 1.35.0 Ha at S.F.No. 1193/1(Part-3) of Kodakkal Village, Walajah Taluk, Ranipet District, Tamil Nadu by Thiru.P.Saravanan - For Environmental Clearance. (SIA/TN/MIN/425822/2023, dated:12.04.2023).

The proposal was placed in this 388th Meeting of SEAC held on 30.06.2023. 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.P.Saravanan has applied for Environmental Clearance for the Proposed Rough Stone Quarry over an extent of 1.35.0 Ha at S.F.No. 1193/1(Part-3) of Kodakkal Village, Walajah Taluk, Ranipet District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) Mining


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Projects" of the Schedule to the EIA Notification, 2006.

3. Earlier, EC was accorded to the project proponent vide Lr. No. SEIAA-TN/F.No.7550/EC/1(a)/4425/2020 dated: 09.11.2020 for a quantity of 36,180 m³ of Rough Stone up to a depth of 30m with a maximum validity of 5 years.
4. Now, the had submitted modified mining plan by revising the quantity of rough stone for the remaining lease period of two years and ten months.
5. It is proposed to quarry 91,161 m³ of Rough Stone upto a depth of mining 35m (15m AGL + 20m BGL).
6. As per the approval letter of modified mining plan, it is ascertained that the PP commenced quarrying operation and transported 35,570 m³ of rough stone up to 24.01.2023 by exceeding the annual peak production approved in the earlier mining plan. Existing pit- 15m AGL.

Hence, the Committee observed that the PP has been carrying out the mining operation after obtaining the Environmental Clearance in 2016 for annual peak production capacity of 7590 m³ of Rough stone as earmarked in the EC.

Here, the SEAC decided to request the SEIAA to write to the Director of Geology & Mining (DGM) to obtain the clarifications from the concerned AD (Mines) on the following after a comprehensive field investigation and assessment of documents furnished by the PP during the operation period:

- i. Whether the PP had produced in excess quantity of rough stone against the approved quantity as indicated in the Mining Plan & Environment Clearance granted in 2016.
- ii. Whether the PP had carried out illegal mining outside the sanctioned mining lease area by the competent authority.
- iii. Whether any illegalities are involved in the mining lease granted to the PP lead to the violation of Section 6 of the MMDR Act.
- iv. The AD (Mines) shall inquire into and determine the nature and extent of mining and transportation, done illegally or without lawful authority.
- v. The AD (Mines) shall inquire into the overall impact of such mining, and transportation, done illegally or without lawful authority, in terms of destruction of forest wealth, damage to the environment, prejudice to the

livelihood and other rights of local people, and other persons in the mined areas, and the financial losses caused to the State Governments.

- vi. In contravention of the approved Mining Plan, whether the PP has deviated by mining excess quantity higher than the approved annual peak production capacity of rough stone.
- vii. Whether the PP has involved in forging or misusing valid transportation permits and using forged transport permits and other documents to raise & transport minerals.
- viii. The AD/mines is requested to provide the details on the quantity of mineral mined out/produced against the targeted value as approved in the Mining Plan by the competent authority since the execution of the lease/commencement of mining operations – mineral wise, year wise.
- ix. The AD (Mines) shall inquire whether the PP had operated the quarry under any modified mining plan without obtaining a revised or amended EC.
- x. The AD (Mines) shall also examine whether the PP, who is the holder of a mining lease, had adhered to the terms of the mining scheme/the mining plan and the mining lease as well as the statutes such as the EPA, the FCA, the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981.

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

Agenda No: 388-07

(File No: 9995/2023)

Proposed Rough Stone and Gravel Quarry over an extent of 0.66.5Ha at S.F.No: 270/2 Sivagnanapuram Village, Nilakkottai Taluk, Dindigul District, Tamil Nadu by Thiru.V.Sambath - For Environmental Clearance.(SIA/TN/MIN/426370/2023, dated:18.04.2023).

The proposal was placed in this 388th Meeting of SEAC held on 30.06.2023. 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.V.Sambath has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an extent of 0.66.5Ha at


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S.F.No: 270/2 Sivagnanapuram Village, Nilakkottai Taluk, Dindigul District, Tamil Nadu.

2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 10 years. The mining plan is for the period of five years & production should not exceed 22150 m³ of Rough Stone & 6090 m³ of Gravel with ultimate depth of mining 10m BGL.
4. The salient features of the proposed project as follows

File No	9995		Category	"B2" 1(a)
	SIA/TN/MIN/426370/2023, 18.04.2023			EC
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	V. Sampath . S/o. Venkatasamy. No.125/1A, Middle street, Kulipatti, Nilakottai Taluk, Dindigul District-624202.	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone and Gravel Quarry	
3.	S.F Nos. of the quarry site with area break-up	:	270/2	
4.	Village in which situated	:	Sivagnanapuram	
5.	Taluk in which situated	:	Nilakkottai	
6.	District in which situated	:	Dindigul	
7.	Extent of quarry (in ha.)	:	0.66.5Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	10°7'16.09"N to 10°18.87"N 77°47'39.34"E to 77°47'43.00"E	
9.	Topo Sheet.No.	:	58 F/16	


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10.	Type of mining	:	Open Cast –Semi mechanized
11.	Life of Project	:	10 years
	Lease Period	:	10 Years
	Mining Plan Period	:	5 years
12.	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m ³ (RoM)	:	Rough Stone- 183920 m ³
		:	Gravel – 10032 m ³
	Mina ble Resources m ³ (RoM)	:	Rough Stone- 43150 m ³
		:	Gravel – 6090 m ³
	Annual Peak Production in m ³	:	Rough Stone-4800 m ³
		:	Gravel – 2436 m ³
	Maximum Depth in meters	:	10m BGL
13.	Depth of water table	:	50m in Rainy Season-55m in Summer Season
14.	Man Power requirement per day:	:	18 Nos
15.	Water requirement:		
	1. Drinking & domestic purposed (in KLD)	:	2.8 KLD
	2. Dust Suppression (in KLD)	:	0.8KLD
	3. Green Belt (in KLD)	:	2.0KLD
16.	Power requirement		1.0 KLD TNEB 18748 Liters of HSD
17.	Precise area communication approved by the Assistant Director, Dept. of G&M,	:	Rc.No.245/2020(Mines), Dated:15.10.2020

18.	Mining Plan approved by Deputy Director, Dept. of Geology & Mining.	:	Rc.No.245/2020(Mines). Dated:31.10.2020		
19.	Assistant Geologist, Assistant Director, Dept. of Geology & Mining 500m Cluster Letter	:	Rc.No.245/2020(Mines). Dated:07.03.2023		
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 17.03.2023		
21.	Project Cost (excluding EMP cost)	:	Rs.18,64,000/-		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
			Rough Stone	Gravel	
		:	Max Total RoM in m³	22150 m³	6090 m³
		:	Annual Max RoM in m³	4800 m³	2436 m³
		:	Max Depth in mtrs.	10m BGL	
23.	EMP cost (in Rs. Lakh).	:	Capital cost – Rs. 28,98,164/- recurring cost/annum – Rs. 11,50,700/-		
24.	CER cost (in Rs. Lakh).	:	Rs. 5.00.000 /- as accepted by the PP		


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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 Annual peak production of not exceeding 4800 m³ of Rough stone & 2436 m³ of Gravel by restricting the ultimate pit depth of 10 m as per the approved mining plan and 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 proponent shall ensure adequate safety for the Reserve Forest and shall maintain the Sheet fencing & trench of adequate Size around the proposed mining area and 3 rows of plantation in the North & North- Western direction boundary of the proposed mining area as committed.
- 3) The PP shall strictly adhere to the provisions provided in the Annexure-I to safeguard the existence of Reserved Forest/Reserve Land at a distance of less than 1km from the project site.
- 4) The PP shall carry out the scientific studies within a period of one year from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
- 5) Since the habitations are located within 500 m distance, the PP shall furnish the Standard Operating Procedures (SoP) for carrying out the blasting operations in the proposed quarry to the AD (Mines) at the time of lease execution.

- 6) Since Vaigai river and Canal are situated at a distance of 740 m and 350 m respectively, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry and impact of quarrying operation on the surface & ground water environment, once in 2 years from the date of lease execution, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, 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 without any deviation
- 7) As accepted by the Project Proponent the CER cost of Rs.5.0 lakhs and the amount shall be spent for the Government Higher Secondary School, Kombaipatti village before obtaining CTO from TNPCB.

Agenda No: 388-08

(File No: 10002/2023)

Proposed Rough Stone and Gravel Quarry over an extent of 1.01.5Ha S.F.Nos. 69/4A, 69/4B, 69/4C, 69/4D & 69/4E of Senthurai Village, Natham Taluk, Dindigul District, Tamil Nadu by Tmt. S.Mala -For Environmental Clearance. (SIA/TN/MIN/426796/2023 dated:21.04.2023).

The proposal was placed in this 388th Meeting of SEAC held on 30.06.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tmt. S.Mala has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an extent of 1.01.505Ha S.F.Nos. 69/4A, 69/4B, 69/4C, 69/4D & 69/4E of Senthurai Village, Natham Taluk, Dindigul District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 10 years. The mining plan is for the period


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of five years & production should not exceed 20182 m³ of Rough Stone & 9102 m³ of Gravel with ultimate depth of mining 12.0m (2m Gravel+10m Rough Stone). Based on the presentation and documents furnished by the project proponent, SEAC decided to obtain the following details from the PP.

1. Since the Kadavur Slender Loris WLS is located within 10km & its ESZ is yet to be notified, hence the PP shall obtain and submit NBWL Clearance.
2. The PP shall furnish a clarification letter from AD/DD Mines, as the name of the mineral specified in approved mining plan is different from the approval letter.

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

Agenda No: 388 - 09

(File No: 9968/2023)

Proposed Earth Quarry lease over an extent of 1.78.0 Ha at S.F.Nos.1960/1A & 1960/1B, in Andipatti Bit-II Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru.T.Saravanan - For Environmental Clearance (SIA/TN/MIN/422608/2023 dt: 29.03.2023)

The proposal was placed in this 388th meeting of SEAC held on 30.06.2023. The Project Proponent made a detailed power point presentation on the proposed project. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Thiru.T.Saravanan has applied for Environmental Clearance for the Proposed Earth Quarry lease over an extent of 1.78.0 Ha at S.F.Nos.1960/1A & 1960/1B, in Andipatti Bit-II Village, Andipatti Taluk, Theni 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, as amended.

File No		9968	Category	B2
Sl. No	Salient Features of the Proposal			


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1.	Name of the Owner/Firm	:	Thiru.T.Saravanan, S/o.R.Tharmaraj. Ethakovil (Post). Andipatti Taluk. Theni District-625536	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Earth	
3.	S.F Nos. of the quarry site with area break-up	:	S.F.Nos.1960/1A & 1960/1B	
4.	Village in which situated	:	Andipatti Bit-II Village	
5.	Taluk in which situated	:	Andipatti Taluk	
6.	District in which situated	:	Theni District	
7.	Extent of quarry (in ha.)	:	1.78.0 Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	09°56'28"N to 09°56'33"N 77°39'33"E to 77°39'40"E	
9.	Topo Sheet No.	:	58 G/09	
10.	Type of mining	:	Opencast Semi mechanized method	
11.	Life of Project	:	2 years	
	Lease Period	:	2 years	
	Mining Plan Period	:	2 years	
12.	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	:	Ordinary Earth – 17,800 m ³	-
	Minable Resources m ³ (RoM)	:	Ordinary Earth - 11,136 m ³	-
	Annual Peak Production in m ³	:	Ordinary Earth - 5,568 m ³	-


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	Maximum Depth in meters	:	1m BGL	-
13.	Depth of water table	:	30m	
14.	Man Power requirement per day:	:	7 Nos.	
15.	Water requirement: 1. Drinking water 2. Dust suppression 3. Green belt	:	1.5 kLD	
16.	Power requirement		TNEB 1850 litres of HSD will be utilized	
17.	Precise area communication approved by the Assistant Geologist, Assistant Director(i/c), Dept. of Geology & Mining	:	Rc.No.254/Mines/2018, Dated:07.02.2020	
18.	Mining Plan approved by Assistant Geologist, Assistant Director(i/c), Dept. of Geology & Mining	:	Rc.No.254/Mines/2018, Dated: 09.03.2020 and 23.03.2023	
19.	Assistant Geologist, Assistant Director(i/c), Dept. of Geology & Mining 500m Cluster Letter		Rc.No.254/Mines/2018, Dated:09.03.2020	
20.	VAO Certificate Regarding Structures within 300m Radius		Letter Dated: 27.02.2020	
21.	Project Cost (excluding EMP cost)	:	Rs.8,96,000/-	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.


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		: Max Total RoM in m ³	11,136
		: Annual Max RoM in m ³	5,568
		: Max Depth in m	1m BGL
23.	EMP cost (in Rs. Lakh).	: Capital cost – Rs.15,36,000/- Recurring cost/Annum – Rs. 2,82,000 /- +5% inflation cost	
24.	CER cost (in Rs. Lakh).	: Rs. 1,00,000 /- as accepted by the PP	

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak RoM production capacity not exceeding 5568 m³ of Ordinary Earth by maintaining the ultimate depth of mining of 1 m BGL for a maximum period of 2 years from the lease execution, 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 PP shall not carry out the drilling and blasting activities in the quarry.
- 2) The PP shall carry out the special mitigation measures as enlisted in the Annexure-I to safe guard the Reserve Forest existing within 1 km from the lease.
- 3) The project proponent accepted to contribute Rs.9,00,000/- for Cauvery North Wildlife Sanctuary Conservation Plan in consultation with concerned District Forest Officer, before obtaining CTO from TNPCB.
- 4) As accepted by the Project Proponent the CER cost of Rs 1.0 lakh and the amount shall be spent for the committed activities in the Village Government School before obtaining CTO from TNPCB.

Agenda No: 388 - 10

(File No: 9975/2023)

Proposed Rough Stone & Gravel lease over an extent of 3.51.70 Ha at S.S.F.Nos.240/1A & 240/1B, in Thoppampalayam Village, Sathyamangalam Taluk, Erode District, Tamil Nadu by Thiru. V. K. Ravi - For Environmental Clearance (SIA/TN/MIN/424792/2023 dt 05.04.2023)


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The proposal was placed in this 388th meeting of SEAC held on 30.06.2023. The project proponent was absent for the meeting. Therefore, the SEAC decided to defer the subject to a later date directing the project proponent to furnish the reason for not attending the meeting.

Agenda No: 388 - 11

(File No: 9996/2023)

Proposed Rough Stone & Gravel lease over an extent of 2.43.0 Ha at S.F.No.2/1A (P), 8/1 (P), 9/1 (P), 9/3 (P), 9/4 & 9/6 (P), in Chokkanthangal & Nalmukkal Village, Marakkanam Taluk, Viluppuram District, Tamil Nadu by Thiru. T. Aravindan- For Environmental Clearance (SIA/TN/MIN/425675/2023 dt 11.04.2023)

The proposal was placed in this 388th meeting of SEAC held on 30.06.2023. 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. T. Aravindan has applied seeking Environmental Clearance for the proposed Rough Stone & Gravel lease over an extent of 2.43.0 Ha at S.F.No.2/1A (P), 8/1 (P), 9/1 (P), 9/3 (P), 9/4 & 9/6 (P), in Chokkanthangal & Nalmukkal Village, Marakkanam Taluk, Viluppuram 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 as amended.

File No		9996	Category	B2
Sl. No		Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thiru. T. Aravindan S/o Thinagaran No.11/132, PMD Nagar, Kovilambakkam, Chennai District-600129	


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2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough stone & Gravel
3.	S.F Nos. of the quarry site with area break-up	:	S.F.No.2/1A (P), 8/1 (P), 9/1 (P), 9/3 (P), 9/4 & 9/6 (P)
4.	Village in which situated	:	Chokkanthangal & Nalmukkal Village
5.	Taluk in which situated	:	Marakkanam Taluk
6.	District in which situated	:	Viluppuram District
7.	Extent of quarry (in ha.)	:	2.43.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	:	12°13'03.23"N to 12°13'13.81"N 79°45'21.60"E to 79°45'26.59"E
9.	Topo Sheet No.	:	57-P/16
10.	Type of mining	:	Open cast mechanized method
11.	Life of Project	:	10 years
	Lease Period	:	10 years
	Mining Plan Period	:	10 years (proposed by PP) 5 years (approved by AD/Mines)
12.	Mining Plan Details	:	As per approved Mining Plan As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough stone- 8,50,500 m ³ Gravel- 48,600 m ³
	Minable Resources m ³ (RoM)	:	Rough stone- 2,78,080 m ³ Gravel- 35,984 m ³
	Annual Peak Production in m ³	:	Rough stone- 29,520 m ³

		Gravel- 17,952 m ³	
	Maximum Depth in meters	: 37 m BGL	-
13.	Depth of water table	: 70m-65m	
14.	Man Power requirement per day:	: 18 Nos.	
15.	Water requirement: 1. Drinking water 2. Dust suppression 3. Green belt	: 1.1 kLD 0.2 kLD 0.5 kLD 0.4 kLD	
16.	Power requirement	TNEB 1,17,888 litres of HSD will be utilized	
17.	Precise area communication approved by the Assistant Geologist/ Assistant Director/Deputy Director, Dept. of Geology & Mining	: Rc.No.B/G&M/447/2019, Dated:13.03.2023	
18.	Mining Plan approved by Assistant Geologist/ Assistant Director/Deputy Director, Dept. of Geology & Mining	: Rc.No.B/G&M/447/2019, Dated:23.03.2023	
19.	Assistant Geologist/ Assistant Director/Deputy Director, Dept. of Geology & Mining 500m Cluster Letter	: Rc.No.B/G&M/447/2019, Dated:23.03.2023	
20.	VAO Certificate regarding Structures within 300m Radius	: Letter Dated: 21.03.2023	
21.	Project Cost (excluding EMP cost)	: Rs.54,33,000/-	

22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Gravel
		:	Max Total RoM in m ³	1,39,860	35,984
		:	Annual Max RoM in m ³	29,520	17,952
		:	Max Depth in mtrs	35m	2m
23.	EMP cost (in Rs. Lakh).	:	Capital cost – Rs.26,60,100/- Recurring cost/Annum – Rs. 15,12,396 /- +5% inflation cost		
24.	CER cost (in Rs. Lakh).	:	Rs. 5,00,000 /- as accepted by the PP		

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak RoM production capacity not exceeding 29520 m³ of Rough stone and 17,952 m³ of Gravel by maintaining the ultimate depth of mining of 37 m BGL, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

- 1) The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
- 2) Since few habitations and structures are situated within 400 m from the existing quarry, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock


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from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.

- 3) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 3rd year or when the depth exceeds 30 m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
- 4) The PP shall not cause any disturbances the natural flow of water in the odai situated at a distance of 120 m from the lease.
- 5) As accepted by the Project Proponent the CER cost of Rs. 5.0 lakh and the amount shall be spent for the committed activities in Village Government School before obtaining CTO from TNPCB.

Agenda No: 388 - 12

(File No: 10003/2023)

Proposed Rough Stone & Gravel quarry lease over an extent of 0.45.00 Ha at S.F.No.69/2B & 69/2C, in Senthurai Village, Natham Taluk, Dindigul District, Tamil Nadu by Tmt S Mala - For Environmental Clearance (SIA/TN/MIN/426828/2023 dt 21.04.2023)

The proposal was placed in this 388th meeting of SEAC held on 30.06.2023. The Project Proponent made a detailed power point presentation on the proposed project. The details of the project furnished by the proponent are available in the website


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(parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Tmt. S. Mala has applied seeking Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 0.45.00 Ha at S.F.No.69/2B & 69/2C in Senthurai Village, Natham Taluk, Dindigul District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006 as amended.

Based on the documents furnished and the presentation made by the Project Proponent, the Committee directed the PP to furnish the following additional details/documents:

1. Slender Loris Wild Life Sanctuary is located within 10km radius of the mine lease area & the ESZ is yet to be notified for the same, Hence the PP shall obtain and submit NBWL Clearance.
2. The PP shall furnish a clarification letter from AD/DD Mines, as the name of the mineral specified in approved mining plan is different from the approval letter.

On receipt of the same, the subject will be taken up for further deliberation and to decide on future course of action.

Agenda No: 388-13

(File No: 9983/2023)

Proposed Rough Stone Quarry lease over an extent of 1.00.0 Ha at S.F. Nos. 121 (PART-3) of Perumugai Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru. K. Devendiran - For Environmental Clearance. (SIA/TN/MIN/425776/2023, Dated: 12.04.2023)

The proposal was placed in 388th SEAC meeting held on 30.06.2023. 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. Devendiran has applied for Environmental Clearance for the proposed Rough Stone Quarry lease over an extent of 1.00.0 Ha at S.F. Nos. 121 (PART-3) of Perumugai Village, Vellore Taluk, Vellore District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects"


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of the Schedule to the EIA Notification, 2006.

3. The Proponent had earlier applied for Environmental Clearance under B2 category vide Online number - SIA/TN/MIN/175565/2020 Dated: 29/09/2020 & offline F.No. 7902/2020.
4. The Proposal was placed in 269th SEAC meeting held on 05.05.2022. Based on the presentation and documents furnished by the project proponent, SEAC 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 Punganur Reserve Forest is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

5. Subsequently, the proposal was placed in 514th SEIAA meeting held on 31.05.2022. In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 31.05.2022.
6. 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 (I-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

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


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Description	Old File	New File
File No	7902	9983
Online Proposal No for EC	SIA/TN/MIN/175565/2020 Dated: 29/09/2020.	SIA/TN/MIN/425776/2023. Dated: 12.04.2023.

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

1. The proponent shall submit letter obtained from DFO regarding the existence of nearest RF from the proposed mine lease boundary.
2. The proponent shall submit a fresh 500m cluster certificate obtained from the concerned AD (Mines) since the 500m cluster certificate submitted is more than 3 years old.

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

Agenda No: 388-14

(File No: 9997/2023)

Proposed Rough Stone Quarry lease over an extent of 1.04.5 Ha at S.F. Nos. 626/1 of Poolancheri Village, Musiri Taluk, Tiruchirapalli District, Tamil Nadu by Thiru. M. Mohammed Meera - For Environmental Clearance. (SIA/TN/MIN/425372/2023, Dated: 12.04.2023)

The proposal was placed in 388th SEAC meeting held on 30.06.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Thiru. M. Mohammed Meera has applied for Environmental Clearance for the proposed Rough Stone Quarry lease over an extent of 1.04.5 Ha at S.F. Nos. 626/1 of Poolancheri Village, Musiri Taluk, Tiruchirapalli District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 5 years. The mining plan is for 5 years & production should not exceed 45,590m³ of Rough Stone. The annual peak production 10,400m³ of Rough Stone. The ultimate depth of mining is


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File No		9997/2023		Category	B2	
		425372/2023			1(a)	
Sl. No		Salient Features of the Proposal				
1.		Name of the Owner/Firm	:	M. Mohammed Meera S/o Mohammed Mohideen No:7/34, South Street, Elangakurichi, Manapparai Taluk, Tiruchirapalli District-621302		
2.		Type of quarrying (Ordinary Stone/Sand/Granite/Lime stone)	:	Rough stone Quarry		
3.		S.F Nos. of the quarry site with area break-up	:	626/1		
4.		Village in which situated	:	Poolancheri		
5.		Taluk in which situated	:	Musiri		
6.		District in which situated	:	Tiruchirapalli		
7.		Extent of quarry (in ha.)	:	1.04.5 Ha		
8.		Latitude & Longitude of all corners of the quarry site	:	11°03'16.86"N to 11°03'18.98"N 78°23'26.80"E to 78°23'35.04"E		
9.		Topo Sheet No.	:	58- I/08		
10.		Type of mining	:	Opencast Semi-Mechanized Mining		
11.		Life of Project	:	5 years		
		Lease Period	:	5 years		


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	Mining Plan Period	:	5 years	
	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
12.	Geological Resources m ³ (RoM)	:	Rough stone	Rough stone
		:	3.15.540m ³	-
	Mina ble Resources m ³ (RoM)	:	Rough stone	Rough stone
		:	45.590m ³	-
	Annual Peak Production in m ³	:	Rough stone	Rough stone
		:	10,400m ³	-
	Maximum Depth in meters	:	31m BGL	
13.	Depth of water table	:	46m in rainy & 49m in summer	
14.	Man Power requirement per day:	:	18 Nos	
15.	Water requirement: 1. Drinking water 2. Dust suppression 3. Green belt	:	1.2 KLD	
		:	0.3 KLD	
		:	0.5 KLD	
		:	0.4 KLD	
16.	Power requirement	:	TNEB 36,860 Litres of HSD	
17.	Precise area communication approved by the District Collector, Department of G&M.	:	Na. Ka. No. 978/2021/Kanimam-R. S-4, Dated: 25.08.2022	


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18.	Mining Plan approved by Assistant Director, Department of G&M.	:	Roc. No. 978/2021/Mines-R. S-4, Dated: 31.10.2022	
19.	Department of G&M, Assistant Director, 500m Cluster Letter	:	Rc. No. 978/2021/Mines-R. S-4, Dated: 21.03.2023	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 10.04.2023	
21.	Project Cost (excluding EMP cost)	:	Rs. 70,50,000	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
				Rough Stone
		:	Max Total RoM in m ³	45,590m ³
		:	Annual Max RoM in m ³	10,400m ³
		:	Max Depth in mtrs	31m BGL
23.	EMP cost (in Rs. Lakh).	:	Capital Cost – Rs. 20,17,150 Recurring Cost – Rs. 11,92,774	
24.	CER cost (in Rs. Lakh).	:	Rs. 5,00,000	

A. During the presentation, SEAC noted that, based on the KML file uploaded by the proponent in Parivesh Portal and google imagery, it is ascertained that the proposed site has been quarried earlier. Further, in 500m cluster certificate issued by AD/ Mines vide Rc. No. 978/2021/Mines-RS-4 Dated: 21.03.2023 which states that

"The Proposed quarry S.F.No.626/1 of Poolancheri village, Musiri Taluk was


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already leased out to Thiru.V.R.Kumar vide Tiruchirappalli, District Collectr Proceedings Rc.No.B.265/2008/Mines Dated: 24.04.2008. The lease period is 10 years from 07.07.2008 to 06.07.2018. The Existing quarry pit measurement is tabulated below"

	Length	Width	Depth
PIT-I	75m	34m	16m
PIT-II	39m	26m	1m

Hence, in the view of the above, SEIAA may get an explanation from AD/Mines with respect to allowing the earlier lessee to operate the mine without a valid Environmental Clearance.

B. In the meanwhile, based on the presentation & documents furnished, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 10,400 m³ of Rough Stone with maintaining the ultimate depth of 31m BGL as per the approved mining plan and 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 proponent shall carryout plantation of 1000 Nos. of tall saplings of native species within the proposed mining area as committed before obtaining CTO from TNPCB.
3. The proponent shall carryout fencing around the within the proposed mining area as committed before obtaining CTO from TNPCB.
4. Since the structures are situated within a radial distance of 300 to 400 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the


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blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.

5. As the existing quarry possess the highwall of 18 m at one side, the PP shall carry out the scientific studies to assess the slope stability of the proposed working benches and existing quarry wall within a period one year from the execution of lease, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
6. As accepted by the Project proponent the CER cost is Rs.5 lakhs and the same shall be spent for the Panchayat Union Primary School, Pappapatti Village, Tiruchirapalli District as committed, before obtaining CTO from TNPCB.

Agenda No: 388-15

(File No: 10004/2023)

Proposed Rough Stone & Gravel Quarry lease over an extent of 2.29.0 Ha at S.F. Nos. 89/1A (PART) of Ponnammangalam Village, Tirumangalam Taluk, Madurai District, Tamil Nadu by Thiru. M. Vasanthkumar - For Environmental Clearance. (SIA/TN/MIN/426169/2023, Dated: 21.04.2023)

The proposal was placed in 388th SEAC meeting held on 30.06.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. M. Vasanthkumar has applied for Environmental Clearance for the proposed Rough Stone & Gravel Quarry lease over an extent


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of 2.29.0 Ha at S.F. Nos. 89/1A (PART) of Ponnangalam Village, Tirumangalam Taluk, Madurai District, Tamil Nadu.

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

Based on the presentation and document furnished by the proponent, SEAC noted that

- The proponent had obtained 500m cluster certificate from AD/Mines vide Roc. No. 04/Mines/2023-2 Dated: 21.03.2023 as below

a. Existing Quarries

S. No.	Name of the Owner	Village	S.F.No.	Extent (in hec)	Collector's Proceedings No & date	Lease period
1.	Vetrivel. I	Ponnangalam	89/1B (Part). 90/8 (Part)	2.20.0	Roc. No. 797/2021. Dt: 14.02.2023	01.03.2023 to 29.02.2028

b. Expired/Abandoned Quarries

S. No.	Name of the Owner	Village	S.F.No.	Extent (in hec)	Collector's Proceedings No & date	Lease period

c. Present Proposed Quarries

S. No.	Name of the Owner	Village	S.F.No.	Extent (in hec)
1.	S. Vasanthakumar	Ponnangalam	89/1A (Part)	2.29.0

- Based on the perusal of our office records, it is ascertained that the lessee I. Vetrivel had earlier obtained Environmental Clearance vide Lr. No. SEIAA-TN/F.No.9448/EC. No:5453/2022, Dated: 14.12.2022.
- Upon the scrutiny of F.No. 9448 vide online number SIA/TN/MIN/288754/2022, dated 22.08.2022, it is ascertained that the


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proponent had obtained 500m cluster radius from AD/ Mines vide Roc. No.797/Mines/2021 Dated: 22.07.2022 as below

a. Existing quarries

S. No.	Name of the owner	Village	S.F.No.	Extent in Hectare	Collector's Proceedings No & date	Lease period
1	Vetrivel. I	J. Alangulam	1/1 (Part)	1.21.5	Roc.No.430/2018 Dt 26.02.2019	08.03.2019 to 07.03.2024

b. Expired quarries

S. No.	Name of the owner	Village	S.F.No.	Extent in Hectare	Collector's Proceedings No & date	Lease period
1.	Tvl. Patel KNR (JV)	J. Alangulam	50/1. 50/5. 50/6. 50/7. 50/8. 50/9. 4/1. 4/2. 4/3. 4/4. 3/2A. 3/2B	4.63.5	Roc.No.74 7/2008 Dt 28.08.2008	28.08.20 08 to 27.08.20 09
2	Vetrivel. I	J. Alangulam	2/2A. 2/2C1. A. 2/C1B. 5/4.	6.33.0	Roc.No.104 2/2008 Dt 13.06.2009	02.07.20 09 to

			5/5A & 5/5B			01.07.201 4
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c. Abandoned quarries

S. No.	Name of the owner	Village	S.F.No.	Extent in Hectare	Collector's Proceedings No & date	Lease period	Remarks
1	Vetrivel. I	J. Alangulam	2/2C1A & 2/2C1B	2.25.5	Roc.No.373/2014 Dt 24.12.2015	24.12.2015 to 23.12.2020	Abandoned quarry (Lease expired on 23.12.2020 further quarrying is not feasible in this area)

d. Present proposed quarries

S. No.	Name of the owner	Village	S.F.No.	Extent in Hectare
1	Vetrivel. I	Ponnamangalam	89/1B (Part), 90/8 (Part)	2.20.0

4. Based on the above, it is ascertained that mine lease pertaining to SF No. 89/1B (P), 90/8 (P) with an extent of 2.20.0 Ha is within 500m of the mine lease pertaining to SF No. 1/1 (P) with an extent of 1.21.5 Ha as per 500m cluster certificate obtained vide Roc. No.797/Mines/2021 Dated: 22.07.2022.
5. Further, the proposed mine lease area pertaining to SF No. 89/1A (P) with an extent of 2.29.0 Ha comes within 500m of the mine lease pertaining to SF No. 89/1B (P), 90/8 (P) with an extent of 2.20.0 Ha based on the 500m cluster certificate obtained from AD/Mines vide Roc. No. 04/Mines/2023-2 Dated: 21.03.2023.


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6. Since, the mine lease area pertaining to SF No. 89/1B (P), 90/8 (P) with an extent of 2.20.0 Ha comes within 500m of mine lease area pertaining to SF No. 1/1 (P) with an extent of 1.21.5 Ha, the proposed mine lease area pertaining to SF No. 89/1A (P) has to be considered as part of above-mentioned cluster,
7. Hence, the cluster area to be calculated must include mine lease area pertaining to SF No. 1/1 (P), SF No. 89/1B (P), 90/8 (P) and SF No. 89/1A (P). Subsequently, the cluster area shall be

S. No.	Survey Number	Extent in Ha
1.	SF No. 89/1B (P), 90/8 (P)	2.20.0 Ha
2.	SF No. 1/1 (P)	1.21.5 Ha
3.	SF No. 89/1A (P)	2.29.0 Ha
	Total	5.70.5 Ha

Hence, based on the above facts and documents furnished, SEAC decided to call for additional details.

1. The proponent shall furnish the revised 500m cluster certificate obtained from the competent authority by indicating the list of Existing, Abandoned and Proposed Quarries in the lease area.
2. The PP shall enumerate the existence of structures/houses/buildings/water bodies located within 50m, 100m, 150m, 200m, 300m, 500m along with the details of inhabitants and nature of construction of the buildings/structures.
3. The PP shall furnish the haulage route for the transportation of mineral from the quarry site after having studied the traffic volume.
4. The proponent shall revise the EMP Budget based on the life of project.
5. The proponent shall furnish the slope stability action plan accommodating the benches and haul roads/ramps intact for the proposed quarry for the life of the project.

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


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Agenda No: 388-16

(File No: 9970/2023)

Proposed rough stone & gravel quarry lease over an extent of 1.97.0 Ha at S.F.No. 492/5, 492/6 & 492/7 of Rasingapuram Village, Bodinaickanur Taluk, Theni District, Tamilnadu by Thiru.G.Birla – For Environmental Clearance (SIA/TN/MIN/424700/2023 dated 03.04.2023)

The proposal was placed in this 388th SEAC meeting held on 30.06.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

SEAC noted the following:

1. The Project Proponent, Thiru.G.Birla has applied for Environmental Clearance for the Proposed rough stone & gravel quarry lease over an extent of 1.97.0 Ha at S.F.No. 492/5, 492/6 & 492/7 of Rasingapuram Village, Bodinaickanur Taluk, Theni District, Tamil Nadu.
2. The project/activity is covered under Category “B2” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
3. The Patta for the proposed quarry land is furnished with the name of Thiru.Prabhu.

Based on the presentation and details furnished by the project proponent, the Committee decided to call for the following details from the project proponent to consider the proposal for appraisal:

- i) The proponent shall submit a registered consent document for carrying out quarrying operations from the concerned land owner.
- ii) The PP shall enumerate the existence of structures/houses/buildings/water bodies located within 50m, 100m, 150m, 200m, 300m, 500m along with the details of inhabitants and nature of construction of the buildings/structures.
- iii) The PP shall furnish the haulage route for the transportation of mineral from the quarry site after having studied the traffic volume.

On receipt of the same, further deliberations will be done.

Agenda No: 388-17

(File No: 9984/2023)


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Proposed rough stone & gravel quarry lease over an extent of 1.68.5 Ha at S.F.No. 418/8, 9A & 9B of Meerankulam - I Village, Sathankulam Taluk, Thoothukudi District, Tamil Nadu by Thiru.G.Karuppasamy – For Environmental Clearance.

(SIA/TN/MIN/425725/2023 dated.13.04.2023)

The proposal was placed in the 388th meeting of SEAC held on 30.06.2023. The details of the project are available in the website (Parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.G.Karuppasamy has applied for Environmental Clearance for the Proposed rough stone & gravel quarry lease over an extent of 1.68.5 Ha at S.F.No. 418/8, 9A & 9B of Meerankulam - I Village, Sathankulam Taluk, Thoothukudi District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The salient features of the proposal are as follows:

File No		9984		Category	1(a)
		SIA/TN/MIN/425725/2023			B2
Sl. No	Salient Features of the Proposal				
1	Name of the Owner/Firm	:	Thiru. G. Karuppasamy, S/o. Shri. Gurusamy. No.262-8, K.R.Colony, 11 th Street, Ward No 5, Kuthukalvalasai, Tirunelveli Taluk, Tirunelveli District – 627 803.		
2	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone and Gravel Quarry		
3	S.F Nos. of the quarry site with area break-up	:	418/8, 9A & 9B		


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4	Village in which situated	:	Meerankulam - 1	
5	Taluk in which situated	:	Sathankulam	
6	District in which situated	:	Thoothukudi	
7	Extent of quarry (in ha.)	:	1.68.5Ha	
8	Latitude & Longitude of all corners of the quarry site	:	08°32'51.51"N to 08°32'56.85"N 77°51'27.58"E to 77°51'34.05"E	
9	Topo Sheet No.	:	58H/14	
10	Type of mining	:	Opencast Method of Mechanized Mining	
11	Life of Project	:	5 years	
	Lease Period	:	5 years	
	Mining Plan Period	:	5 years	
12	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough Stone-4,15,925m ³	Rough Stone-4,15,925m ³
		:	Topsoil with gravel – 83,185m ³	Topsoil with gravel – 83,185m ³
	Mina ble Resources m ³ (RoM)	:	Rough Stone-1,27,835m ³	Rough Stone-1,27,835m ³
		:	Gravel-60,540m ³	Gravel-60,540m ³
	Annual Peak Production in m3	:	Rough Stone-26,350m ³	Rough Stone- 26,350m ³
		:	Top soil with Gravel – 21,930m ³	Top soil with Gravel – 21,930m ³
Ultimate Depth in meters	:	30m below ground level	30m below ground level	
13	Depth of water table	:	65m – 60m below ground level	


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14	Man Power requirement per day:	:	10 Nos.	
15	Water requirement: 1. Drinking and Domestic Purpose 2. Dust suppression 3. Green belt	:	1.45KLD 0.45 KLD 0.5 KLD 0.5 KLD	
16	Power requirement		1,12,358 liters of HSD for the entire project life.	
17	Precise area communication approved by the Assistant Director, Dept. of Geology and Mining with date	:	Rc. No. GM.1 /461/2022 dated 08.02.2023.	
18	Mining Plan approved by the Assistant Geologist/ Assistant Director(i/c), Dept. of Geology and Mining with date	:	Rc. No. G.M.1 /461/2022 dated.27.02.2023.	
19	500m cluster letter issued by the Assistant Geologist/ Assistant Director (i/c), Dept. of Geology and Mining with date		Roc. No.G.M.1/461/2022 dated: 27.02.2023	
20	VAO Certificate Regarding Structures within 300m Radius		Letter dated: 10.03.2023.	
21	Project Cost (excluding EMP cost)	:	Rs.1,27,08,400/-	
22	EC Recommendation	:	Validity	30 years subject to the following upper limits.


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			Rough Stone	Top soil with Gravel
		:	Max Total RoM in m ³	1,27,835 60,540
		:	Annual Max RoM in m ³	26,350 21,930
		:	Max Depth in mtrs	30m below ground level
23	EMP cost (in Rs. Lakh).	:	Capital Cost – 10,52,950/- Recurring Cost – 9,15,095/-	
24	CER cost (in Rs. Lakh).	:	Rs.5,00,000/-	

Based on the presentations & detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 26,350m³ of rough stone by maintaining the ultimate pit depth of 30 m BGL as per the approved Mining Plan and subject to the standard 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) Since few habitations and Reserve Forest are situated within 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG


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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 without any deviation.

- 3) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 4th year or when the depth of working touches 30 m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
- 4) The PP shall install tall metal sheets around the crusher plant located adjacent to the quarry in such a manner that no suspended dust particle travels out of the crushers and a photo showing the installation of such arrangements to be furnished to the DEE/TNPCB while obtaining the CTO.
- 5) As accepted by the Project Proponent the CER cost of Rs. 5 lakhs and the amount shall be spent towards the Panchayat Union primary School, Therkkankulam, Thoothukudi for the committed activities before obtaining CTO from TNPCB.

Agenda No: 388-18

(File No: 10005/2023)

Proposed rough stone quarry lease over an extent of 2.67.0 Ha at S.F.No. 1365/2, 1365/3 & 1365/4 (Part) of Anjehalli Village, Pennagaram Taluk, Dharmapuri District, Tamilnadu by Tmt.P.Rathna – For Environmental Clearance (SIA/TN/MIN/426424/2023 dated 24.04.2023)

The proposal was placed in this 388th SEAC meeting held on 30.06.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

SEAC noted the following:

1. The Project Proponent, Tmt.P.Rathna has applied for Environmental Clearance


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for the Proposed rough stone quarry lease over an extent of 2.67.0 Ha at S.F.No. 1365/2, 1365/3 & 1365/4 (Part) of Anjehalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu.

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

Based on the presentation and details furnished by the project proponent, the Committee decided to call for the following details from the project proponent to consider the proposal for appraisal:

- i) The PP shall obtain NBWL clearance since the Cauvery South Wildlife Sanctuary is located within the ESZ of 10 Km from the proposed project site.
- ii) The proponent shall furnish the revised 500m cluster certificate obtained from the competent authority by indicating the list of Existing, Abandoned and Proposed Quarries in the lease area.

On receipt of the same, further deliberations will be done.

Agenda No: 388-19

(File No: 9978/2023)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.78.0Ha at SF.No. 1168, 1172/1 & 1172/2 of Tamaraikulam Bit-1 Village, Periyakulam Taluk, Theni District, Tamil Nadu by Thiru.A.Saravanakumar - for Environmental Clearance. (SIA/TN/MIN/424301/2023, Dated:01.04.2023)

The proposal was placed in 388th meeting of SEAC held on 30.06.2023. 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.A.Saravanakumar has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 1.78.0Ha at SF.No. 1168, 1172/1 & 1172/2 of Tamaraikulam Bit-1 Village, Periyakulam Taluk, Theni 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.


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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: 388-20

(File No: 9985/2023)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.77.5Ha at SF.No. 22/1A2, 22/2, 22/3, 23/1A2, 23/1B2 of Sirupagal Village, Walajabad Taluk, Kancheepuram District, Tamil Nadu by Thiru.L.Arockya Raj - for Environmental Clearance. (SIA/TN/MIN/425825/2023, Dated:12.04.2023)

The proposal was placed in 388th meeting of SEAC held on 30.06.2023. 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.L.Arockya Raj has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 1.77.5Ha at SF.No. 22/1A2, 22/2, 22/3, 23/1A2, 23/1B2 of Sirupagal Village, Walajabad Taluk, Kancheepuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The PP has furnished Existing Pit Letter obtained from DD, Dept of Geology and Mining vide Rc.No.341/Q3/2019 dated 06.07.2022 in which it was stated as,

Pit No	Average Length in m	Average Width in m	Average Depth in m
I	80	35	12
II	80.4	50	5

File No	9985/2023	Category	B2
	SIA/TN/MIN/425825/2023, Dated:12.04.2023		


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Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	Thiru.L.Arockya Raj No.2. C Block. Venkatapuram. Little Mount, Saidapet, Chennai-600 015	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	Rough stone & Gravel Quarry	
3.	S.F Nos. of the quarry site with area break-up	22/1A2, 22/2, 22/3, 23/1A2, 23/1B2	
4.	Village in which situated	Sirupagal	
5.	Taluk in which situated	walajabad	
6.	District in which situated	Kancheepuram	
7.	Extent of quarry (in ha.)	1.77.5Ha	
8.	Latitude & Longitude of all corners of the quarry site	12°51'30.73"N to 12°51'34.71"N 79°49'58.80"E to 79°50'06.85"E	
9.	Topo Sheet No.	57 -P/13	
10.	Type of mining	Opencast Semi-Mechanized Mining	
11.	Life of Project	5 years	
	Lease Period	5 years	
	Mining Plan Period	5 years	
12.	Mining Plan Details	As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	Rough stone	Gravel
		573892m ³	7924m ³
	Mina ble Resources m ³ (RoM)	Rough stone	Gravel
		207687m ³	4170m ³
	Annual Peak Production in m ³	Rough stone	Gravel


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			42827m ³	4170m ³
	Ultimate Depth in meters	:	47m (2m Gravel + 45m Rough Stone) BGL	42m (2m Gravel + 40m Rough Stone) BGL
13.	Depth of water table	:	60m – 65m BGL	
14.	Man Power requirement per day:	:	18 Employees	
15.	Water requirement: 1. Drinking water 2. Dust suppression 3. Green belt	:	1.9 KLD 0.9 KLD 0.5 KLD 0.5 KLD	
16.	Power requirement	:	TNEB 1,66,834 Liters of HSD for the entire period of life	
17.	Precise area communication approved by the Deputy Director/ Assistant Director, Department of G&M.	:	Rc.No.341/Q3/2019 dated: 17.05.2022	
18.	Mining Plan approved by Deputy Director, Department of G&M.	:	Rc.No.341/Q3/2019 dated: 06.07.2022	
19.	Department of G&M, Deputy Director, 500m Cluster Letter	:	Rc.No.341/Q3/2019 dated: 06.07.2022	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Furnished Dated: Nil	
21.	Project Cost (excluding EMP cost)	:	Rs.62,37,500	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.


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			Rough Stone	Gravel
		: Max Total RoM in m ³	204722m ³	4170m ³
		: Annual Max RoM in m ³	42827m ³	4170m ³
		: Max Depth in mtrs	42m (2m Gravel + 40m Rough Stone) BGL	
23.	EMP cost (in Rs. Lakh).	: Rs.48.84 Lakhs		
24.	CER cost (in Rs. Lakh).	: Rs. 5 Lakhs		

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 Annual peak production capacity of not exceeding 38,715m³ of Rough stone and 4170m³ of Gravel by restricting the Ultimate pit depth to 42 m BGL as committed by the QP & PP and subject to the standard conditions & normal conditions stipulated by MoEF&CC and Annexure-I, 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 submit a slope stability action plan to the concerned AD (Mines) during the time of lease execution, for ensuring the stability of existing highwall of 12 m as shown in the Sections - X-Y / E-F / G-H through providing the safety berm of not less than 10 m to safe guard the persons employed in the mine.
- 3) Since few structures are located within the danger zone of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the blasting operations

carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-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 without any deviation.

- 4) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall within a period of one year from the date of lease execution, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-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 without any deviation.
- 5) As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs and the amount shall be spent for the committed activities in the Government Higher Secondary School, Chinnaiyan Chatram Neervalur Village before obtaining CTO from TNPCB.

Agenda No: 388-21

(File No: 9992/2023)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.93.0Ha at SF.No. 217/3(part) of Soolakal Village, Kinathukkadavu Taluk, Coimbatore District, Tamil Nadu by Thiru.S.Viswanathan - for Environmental Clearance.(SIA/TN/MIN/425622/2023, Dated:12.04.2023)

The proposal was placed in 388th meeting of SEAC held on 30.06.2023. 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.S.Viswanathan has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 1.93.0Ha at SF.No. 217/3(part) of Soolakal Village, Kinathukkadavu Taluk, Coimbatore District, Tamil Nadu.


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2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the PP has obtained EC vide Lr.No.SEIAA-TN/F.No.3733/1(a)/EC.No.2868/2015 dated 15.02.2016.
4. The PP has obtained EC from DEIAA for Enhanced quantity vide Lr.No.DEIAA-CBE-Iv/F.No.332/1(a&b)/EC.No.19/2018 dated 04.10.2018.
5. The PP has furnished certified compliance report vide EP/12.1/2023-24/SEIAA-17/TN/671 dated 02/06/23.

File No	9992/2023	Category	B2
	SIA/TN/MIN/425622/2023, Dated:12.04.2023		
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thiru. S. Viswanathan, S/o. Subramaniam, No.14/35, Vinayagar Kovil Street, Othakalmandapam, Madukkarai Taluk, Coimbatore District - 641032
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough stone & Gravel quarry
3.	S.F Nos. of the quarry site with area break-up	:	217/3 (Part)
4.	Village in which situated	:	Soolakal
5.	Taluk in which situated	:	Kinathukkadavu
6.	District in which situated	:	Coimbatore
7.	Extent of quarry (in ha.)	:	1.93.0Ha
8.	Latitude & Longitude of all corners of the quarry site	:	10°46'3.52131"N to 10°46'9.13072"N 76°58'11.09752"E to 76°58'17.63791"E
9.	Topo Sheet No.	:	58 B/13

10.	Type of mining	:	Open Cast Semi mechanized Mining	
11.	Life of Project	:	5 Years	
	Lease Period	:	5Years	
	Mining Plan Period	:	5 Years	
12.	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough Stone	Gravel
		:	472568m ³	1302m ³
	Minable Resources m ³ (RoM)	:	Rough Stone	--
		:	104580m ³	--
	Annual Peak Production in m ³	:	Rough Stone	--
		:	21425m ³	--
Ultimate Depth in meters	:	40m BGL	35 m BGL	
13.	Depth of water table	:	55m - 50m	
14.	Man Power requirement per day:	:	16 Employees	
15.	Water requirement:	:	3.5KLD	
	1. Drinking water	:	0.5KLD	
	2. Utilized water	:	1.5KLD	
	3. Dust suppression	:	1.0KLD	
	4. Green belt	:	0.5KLD	
16.	Power requirement	:	TNEB	
		:	83664Liters of HSD Will be utilized for the rough stone	
17.	Precise area communication approved by the Assistant Director, Department of G&M.	:	Roc.No.622/Mines/2020 Dated: 20.12.2022	
18.	Mining Plan approved by Assistant Director, Department of G&M.	:	Rc.No.622/Mines/2020 Dated: 27.03.2023	


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19.	500m Cluster Letter approved by the Assistant Director, Department of G&M.	:	Roc.No.622/Mines/2020 Dated: 27.03.2023			
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Furnished Dated: Nil			
21.	Project Cost (excluding EMP cost)	:	Rs. 36.50.000/-			
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.		
		Rough Stone		Gravel		
		:	Max Total RoM in m ³	104580m ³	-	
		:	Annual Max RoM in m ³	21425m ³	-	
		:	Max Depth in mtrs	35 m BGL		
23.	EMP cost (in Rs. Lakh).	:	Rs.103.43Lakhs			
24.	CER cost (in Rs. Lakh).	:	Rs. 7 Lakhs			

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 Annual peak production capacity of not exceeding 21,425m³ of Rough stone by restricting the Ultimate pit depth to 35 m BGL for safety reasons as committed by the QP & PP and subject to the standard conditions & normal conditions stipulated by MoEF&CC and Annexure-I, 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 furnish the Slope Stability Action Plan incorporating the safety zone of 7.5 m / 10 m, haul road with benches, location for dumping of Overburden/Weathered rock to the concerned AD (Mines) while executing the lease.
- 3) Since few structures/habitations are located within the danger zone of 300 m, the PP shall carry out the scientific studies within a period of six months from the date of lease execution after obtaining prior permission from the Director of Mines Safety, DGMS-Chennai Region, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the blasting operations, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
- 4) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall within a period of six months from the date of lease execution, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
- 5) As accepted by the Project Proponent the CER cost of Rs. 7 Lakhs and the amount shall be spent for the committed activities in the Panchayat Union Middle School, Sulakkal Village, Kinathukkadavu Taluk, Coimbatore District before obtaining CTO from TNPCB.


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Agenda No: 388-22

(File No: 9999/2023)

Proposed Gravel quarry lease over an extent of 3.34.0Ha at SF.No. 1288/1 of Senapathipalayam Village, Kangeyam Taluk, Tiruppur District, Tamil Nadu by Thiru.M.Vigneshwaran - for Environmental Clearance.(SIA/TN/MIN/424745/2023, Dated:12.04.2023)

The proposal was placed in 388th meeting of SEAC held on 30.06.2023. 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.M.Vigneshwaran has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of 3.34.0Ha at SF.No. 1288/1 of Senapathipalayam Village, Kangeyam Taluk, Tiruppur 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.

The PP requested to defer the proposal to accommodate more time for acquiring some documents pertaining to the quarrying site.

The SEAC have accepted the request and decided to defer the proposal.

Agenda No: 388-23

(File No: 10006/2023)

Proposed Gravel quarry lease over an extent of 2.84.50Ha at SF.No. 420/1 & 421 of Puliampatti Village, Palani Taluk, Dindigul District, Tamil Nadu by Thiru.K.Jeyakandan - for Environmental Clearance.(SIA/TN/MIN/426289/2023, Dated:21.04.2023)

The proposal was placed in 388th meeting of SEAC held on 30.06.2023. 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.K.Jeyakandan has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of 2.84.50Ha at SF.No. 420/1 & 421 of Puliampatti Village, Palani Taluk, Dindigul District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.


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File No	10006/2023	Category	B2
	SIA/TN/MIN/426289/2023, Dated:21.04.2023		
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	Thiru.K.Jeyakandan, S/o.Kandasamy, : No.2192, Sun city layout, Puliyampatti, Palani Taluk, Dindigul District-624617	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	: Gravel quarry	
3.	S.F Nos. of the quarry site with area break-up	: 420/1 & 421	
4.	Village in which situated	: Puliyampatti	
5.	Taluk in which situated	: Palani	
6.	District in which situated	: Dindigul	
7.	Extent of quarry (in ha.)	: 2.84.50Ha	
8.	Latitude & Longitude of all corners of the quarry site	: 10°30'40.81"N to 10°30'47.18"N 76°30'50.73"E to 77°30'57.14"E	
9.	Topo Sheet No.	: 58 F/06	
10.	Type of mining	: Open Cast Shallow Mining	
11.	Life of Project	: 3 Years	
	Lease Period	: 3 Years	
	Mining Plan Period	: 3 Years	
12.	Mining Plan Details	: As per approved Mining Plan	As modified by SEAC
	Geological Resources m³ (RoM)	: Gravel	


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			56,900m ³
	Minable Resources m ³ (RoM)	:	Gravel
			46,982m ³
	Annual Peak Production in m ³	:	Gravel
			15,661m ³
	Maximum Depth in meters	:	2m BGL
13.	Depth of water table	:	35m
14.	Man Power requirement per day:	:	7 Employees
15.	Water requirement: 1. Drinking water 2. Utilized water 3. Dust suppression 4. Green belt	:	1.5KLD 0.5KLD 0.5KLD 0.25KLD 0.25KLD
16.	Power requirement	:	TNEB 7830Liters of HSD Entire Project life
17.	Precise area communication approved by the Assistant Geologist /Assistant Director(i/c), Department of G&M.	:	Rc.No.288/Mines/2022, Dated: 14.10.2022
18.	Mining Plan approved by Assistant Geologist /Assistant Director(i/c), Department of G&M.	:	Rc.No.288/Mines/2022 Dated: 04.11.2022
19.	500m Cluster Letter approved by the Assistant Geologist /Assistant Director(i/c), Department of G&M.	:	Rc.No.288/Mines/2022 Dated: 04.11.2022
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 24.11.2022
21.	Project Cost (excluding EMP cost)	:	Rs. 15.62.000/-
22.	EC Recommendation	:	Validity 30 years subject to the following upper limits.


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			Gravel
		: Max Total RoM in m ³	46,982m ³
		: Annual Max RoM in m ³	15,661m ³
		: Max Depth in mtrs	2m BGL
23.	EMP cost (in Rs. Lakh).	: Rs.37.49 lakhs	
24.	CER cost (in Rs. Lakh).	: Rs. 2 Lakhs	

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 total excavation quantity of not exceeding 46,982m³ of Gravel for a maximum period of 3 years from the date of lease execution with an ultimate depth of 2m BGL by maintaining the Annual peak production of not exceeding 15,661m³ of Gravel as per the approved mining plan subject to the standard conditions & normal conditions stipulated by MoEF&CC and Annexure-I, in addition to the following specific conditions:

- 1) The PP shall not carry out the drilling and blasting activities in the quarry.
- 2) The PP shall carry out the excavation and transportation activities without disturbing the odai exits at a distance of 250 m.
- 3) The PP shall carry out the plantation of atleast 1000 numbers of saplings along the both sides of the odai for the environment sustainability before obtaining the CTO from the DEE/TNPCB.
- 4) As accepted by the Project Proponent the CER cost of Rs. 2 Lakhs and the amount shall be spent for the committed activities in the Government Girls Higher Secondary School, Palani before obtaining CTO from TNPCB.

Agenda No: 388-24

(File No: 9986/2023)

Proposed Rough Stone and Gravel quarry lease area over an extent of 1.49.5 Ha at S.F.No. 1210/1C of Kunnur Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru. R. Kannan - For Environmental Clearance. (SIA/TN/MIN/425875/2023, Dated: 13.04.2023)


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The proposal was placed for appraisal in this 388th meeting of SEAC held on 30.06.2023. 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. R. Kannan has applied for Environmental Clearance for the Proposed Rough Stone and Gravel quarry lease area over an extent of 1.49.5 Ha at S.F.No. 1210/1C of Kunnur Village, Andipatti Taluk, Theni District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.

Based on the presentation and document furnished by the proponent, SEAC noted that there are windmills are located in the vicinity of the project site, hence SEAC decided to call for additional details:

1. The proponent shall furnish the revised mining plan leaving a minimum safety distance of 150m and above for the windmill located near the lease boundary.
2. The PP shall undertake the plantation activities by planting atleast 1000 number of saplings on all sides the lease area including the boundary of the quarry site and furnish the geo-tagged greenbelt photos.
3. The PP shall provide the details with Photograph showing the erection of the fencing with 'S3' or 'G2' design as under the provisions of DGMS Circular No.11 of 1959.

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

Agenda No: 388-25

(File No: 9993/2023)

Existing Rough Stone and Gravel quarry lease area over an extent of 1.65.0 Ha at S.F.Nos. 338/3B, 338/3A2 (P) & 336/1A1A (P) of Marapparai Village, Tiruchengode Taluk, Namakkal District, Tamil Nadu by Thiru. M.K. Rajendran - For Environmental Clearance. (SIA/TN/MIN/425534/2023, Dated: 11.04.2023)

The proposal was placed for appraisal in this 388th meeting of SEAC held on 30.06.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, Thiru. M.K. Rajendran has applied for Environmental Clearance for the Existing Rough Stone and Gravel quarry lease area over an extent of 1.65.0 Ha at S.F.Nos. 338/3B, 338/3A2 (P) & 336/1A1A (P) of Marapparai


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Village, Tiruchengode Taluk, Namakkal 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. From the CCR it was observed that, the PP has done excess 2% of excess mining and the commissioner of Geology & mining has imposed penalty.

File No	9993 / 2023	Category	B2
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thiru. M.K. Rajendran, S/o. Kailasam. No.4/282-D, Gandhi Nagar, Vaiyappamalai Post, Tiruchengode Taluk, Namakkal District - 637 410.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone and Gravel
3.	S.F Nos. of the quarry site with area break-up	:	338/3B, 338/3A2 (P) & 336/1A1A (P)
4.	Village in which situated	:	Marapparai
5.	Taluk in which situated	:	Tiruchengode
6.	District in which situated	:	Namakkal
7.	Extent of quarry (in ha.)	:	1.65.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	:	11°23'57.83"N to 11°24'03.04"N 78°04'19.01"E to 78°04'24.76"E
9.	Topo Sheet No.	:	58-I/03
10.	Type of mining	:	Opencast Mechanized Mining
11.	Life of Project	:	5 years
	Lease Period	:	5 years
	Mining Plan Period	:	5 years


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12.	Mining Plan Details	:	As per approved Mining Plan		As modified by SEAC	
	Geological Resources m ³ (RoM)	:	Rough Stone	Gravel	Rough Stone	Gravel
			5,50,955 m ³	6464 m ³		
	Mina ble Resources m ³ (RoM)	:	Rough Stone	Gravel	Rough Stone	Gravel
			1,26,361 m ³	4720 m ³		
	Annual Peak Production in m ³	:	Rough Stone	Gravel	Rough Stone	Gravel
31,455 m ³			1600 m ³			
	Ultimate Depth in meters	:	49m bgl			
13.	Depth of water table	:	68m-63m bgl			
14.	Man Power requirement per day:	:	18 Nos.			
15.	Water requirement: 1. Drinking water 2. Utilized water 3. Dust suppression 4. Green belt	:	1.0 KLD 0.2 KLD - 0.5 KLD 0.3 KLD			
16.	Power requirement	:	1.03,988 Liters of HSD			
17.	Precise area communication approved by Assistant Director, Department of G&M.	:	Na.Ka.No.503/Kanimam/2022, Dated: 14.03.2023			
18.	Mining Plan approved by Assistant Director, Department of G&M.	:	Roc. No. 503/Mines/2022, Dated: 28.03.2023			


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19.	Department of G&M, Assistant Director 500m Cluster Letter	:	Roc. No. 503/Mines/2022, Dated: 28.03.2023		
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter not furnished		
21.	Project Cost (excluding EMP cost)	:	Rs. 41.01.000/-		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Gravel
		:	Max Total RoM in m ³	1,26,361 m ³	4720 m ³
		:	Annual Max RoM in m ³	31,455 m ³	1600 m ³
		:	Max Depth in mtrs	49m bgl	
23.	EMP cost (in Rs. Lakh).	:	Capital Cost – Rs. 23,47,500/- Recurring Cost – Rs. 14,37,939/-		
24.	CER cost (in Rs. Lakh).	:	Rs. 5,00,000/-		

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 31,455 m³ of Rough stone & 1600 m³ of Gravel by maintaining the ultimate pit depth of 49 m as per the approved Mining Plan and 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


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thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.

- 2) The PP shall furnish the Slope Stability Action Plan incorporating the haul road with benches, location to the concerned AD (Mines) while executing the lease.
- 3) As a part of environmental compliance, the PP shall carry out the scientific studies within a period of six months from the date of lease execution after obtaining prior permission from the Director of Mines Safety, DGMS-Chennai Region, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the blasting operations, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
- 4) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the proposed working benches and existing quarry wall within a period of six months from the date of lease execution, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
- 5) As accepted by the Project Proponent the CER cost of Rs. 5.0 lakh and the amount shall be spent for the committed activities in Government Higher Secondary School, Periyamanali Village, Thiruchengode Taluk, Namakkal District, before obtaining CTO from TNPCB.


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ANNEXURE-I

SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED WITHIN 1 KM FROM THE RESERVE FORESTS

1. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in two to three rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
2. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
3. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.
4. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.
5. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
6. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
7. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
8. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.


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9. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals. Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.
10. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
11. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
12. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 20° or more or areas with a high degree of erosion on forestland.
13. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco- sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
14. The PP shall not use plastic carry bags within the quarry area.
15. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
16. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.

I. GRAVEL / ORDINARY EARTH QUARRY – GENERAL CONDITIONS

1. The proponent shall mandatorily appoint the statutory competent persons and commence the quarry operations within the purview 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.
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 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 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.

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 comply with the provisions of the Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.

22. 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.

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


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II. QUARTZ & FELDSPAR – GENERAL CONDITIONS

1. 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.
2. 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.
3. The proponent shall appoint the statutory competent persons relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961, as amended from time to time.
4. Within a period one month from the execution of lease deed, the PP shall ensure that the persons deployed in the quarry including all the contractual employees/truck drivers shall undergo initial/periodical training in the DGMS approved GVTC situated in Trichy / Salem / Hosur.
5. The PP shall construct a garland drain of size, gradient and length around the proposed quarry incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining. Garland drain, silt-traps, siltation ponds and outflow channel should be de-silted periodically and geo-tagged photographs of the process should be included in the HYCR.
6. Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.
7. The proponent shall install the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.

8. The Proponent shall submit a conceptual 'Slope Stability Action Plan' incorporating the benches & accessible haul road approved by the concerned AD (Mines) for the proposed quarry to the DEE/TNPCB at the time of obtaining the CTO.
9. The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are undergoing the initial/periodical medical examination particularly free silica test in the DGMS approved OHS Clinics/Hospitals as per the DGMS Circular No. 01 of 2011 before they are engaged in mining activities.
10. The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are provided with adequate PPEs before engaged in mining operations.
11. The PP shall meticulously carry out the mitigation measures as spelt out in the approved EMP.
12. Proper barriers to reduce noise level and dust pollution should be established by providing grass greenbelt comprising of three rows of plantations adopting an incremental layer of plants with canopy along the boundary of the quarrying site and suitable working methodology should be adopted by considering the wind direction.
13. The Project Proponent shall ensure that the funds earmarked for environmental protection measures are kept in a separate bank account and should not be diverted for other purposes. Year-wise expenditure should be included in the HYCR.
14. The Project Proponent shall send a copy of the EC to the concerned Panchayat/local body.
15. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required, in coordination with the concerned Govt. Authority.
16. Perennial sprinkling arrangements shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be

carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.

17. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures are undertaken accordingly. The report on the periodic monitoring shall be included in the HYCR.
18. 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.
19. 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. 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.
20. 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.
21. 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.
22. The PP shall also ensure that the blasting operations are not carried out on a 'day after day' basis and a minimum 24 hours break should be

observed between blasting days to reduce the environmental impacts effectively.

23. 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. 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.
24. 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.
25. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan & the approved Mine Closure Plan.
26. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
27. 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.
28. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
29. 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.

30. 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.
31. 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
32. 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.
33. 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.
34. 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 (TNPCCB) by the proponent without fail.
35. 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.

36. 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.
37. 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.
38. 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.
39. 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.
40. 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.
41. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.


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III. ROUGH STONE/JELLY/BLUE METAL QUARRY

- 1) 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.
- 2) 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.
- 3) The proponent shall appoint the statutory competent persons relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961, as amended from time to time.
- 4) Within a period one month from the execution of lease deed, the PP shall ensure that the persons deployed in the quarry including all the contractual employees/truck drivers shall undergo initial/periodical training in the DGMS approved GVTC situated in Trichy / Salem / Hosur.
- 5) The PP shall construct a garland drain of size, gradient and length around the proposed quarry incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining. Garland drain, silt-traps, siltation ponds and outflow channel should be de-silted periodically and geo-tagged photographs of the process should be included in the HYCR.
- 6) Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.
- 7) The proponent shall install the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
- 8) The Proponent shall submit a conceptual 'Slope Stability Action Plan' incorporating the benches & accessible haul road approved by the concerned

AD (Mines) for the proposed quarry to the DEE/TNPCB at the time of obtaining the CTO.

- 9) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are undergoing the initial/periodical medical examination in the DGMS approved OHS Clinics/Hospitals as per the DGMS Circular No. 01 of 2011 before they are engaged in mining activities.
- 10) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are provided with adequate PPEs before engaged in mining operations.
- 11) The PP shall meticulously carry out the mitigation measures as spelt out in the approved EMP.
- 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 should be adopted by considering the wind direction.
- 13) The Project Proponent shall ensure that the funds earmarked for environmental protection measures are kept in a separate bank account and should not be diverted for other purposes. Year-wise expenditure should be included in the HYCR.
- 14) The Project Proponent shall send a copy of the EC to the concerned Panchayat/local body.
- 15) Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required, in coordination with the concerned Govt. Authority.
- 16) Perennial sprinkling arrangements shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
- 17) The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures are undertaken accordingly. The report on the periodic monitoring shall be included in the HYCR.

- 18) 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.
- 19) 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. 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.
- 20) 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.
- 21) **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
- 22) The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 30 to 40 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting.
- 23) The PP shall also ensure that the blasting operations are not carried out on a 'day after day' basis and a minimum 24 hours break should be observed between blasting days to reduce the environmental impacts effectively.

- 24) If 'Deep-hole large diameter drilling and blasting' is required, then the PP shall obtain special permission from DGMS.
- 25) 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. 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.
- 26) 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.
- 27) The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan & the approved Mine Closure Plan.
- 28) Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
- 29) 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.
- 30) The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
- 31) 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,

- 32) 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.
- 33) 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.
- 34) 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.
- 35) 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.
- 36) 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.
- 37) 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.
- 38) 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.

39) As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

40) 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.

41) As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.


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SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED IN CLOSE PROXIMITY TO THE WIND MILLS

Sl. No	Existing (or) Virgin Quarry	
	Wind Mills located at a distance of 150 m to 300 m	Wind Mills located beyond 300 m upto 500 m
1.	Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961.	Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961.
2.	Special precautions are to be taken during blasting within danger zone such as posting guards, etc.	Blast design parameters should be mentioned in mining plan/scheme, and may be reviewed by a competent mining engineer.
3.	Blast design parameters should be mentioned in mining plan/scheme.	MCPD and total charge should be fixed such that it should not exceed 1.3 kg and 26.50 kg respectively.
4.	The recommendations of scientific organisation need to be incorporated in the mining plan/scheme before its approval.	Fresh scientific study may be conducted if mine management wants to increase the MCPD and total explosive charge above the quantity of 1.30 kg and 26.50 kg respectively. Continuous monitoring using seismograph should also be done in such cases by the mine management.
5.	Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting.	Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting.
6.	Training of the blasting crew on controlled blasting practices before engaged in operation.	Training of the blasting crew on controlled blasting practices before engaged in operation.


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7.	Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, PESO or SPCB.	Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, SPCB, Report of recorded ground vibration need to be added in monthly report.
8.	Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB.	Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB.
9.	Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge.	Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge.
10.	Electronic (or) Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing.	Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing.
11.	Max. number of holes in a round: 30.	Max. number of holes in a round: 40 to 60.


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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	விலவம்
2	<i>Adenaanthera patonina</i>	Manjadi	மஞ்சாடி, ஆனாக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathu	இருவாத்
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	புனை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon stoeitenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூளி
18	<i>Creteva adansonii</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kalltchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்பவரசு
25	<i>Hardwickia bimata</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>Lopisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinos</i>	Pisirpattai	பிசிர்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஏச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	பங்கம்

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

-----சுரங்கம்

கரங்குகளில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது. மேலும், தேதியிடப்பட்டு சுற்றுச்சூழல் அனுமதி _____ தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகலம் பகுதி வளர்ச்சி மேம்பாட்டுக்கான கரங்கத் திட்டம்	குவாரியின் எல்லைவரை சுற்றி வேலி அமைக்க வேண்டும். கரங்கப்பாளையின் ஆழம் தளமட்டத்திலிருந்து _____ மீட்டர்க்கு மிகாமல் 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. இனஞ்சல் அளவையும் தூசி மாகபாடையும் குறைப்பதற்காக குவாரியின் எல்லைவரை சுற்றி அடர்த்தியான பகலம் பகுதியை ஏற்படுத்த வேண்டும்.
கரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுதாகர பற்க்காதவாரும் பாதுகாப்பு நடவடிக்கைகளை உணர்ப்பாக செயல்படுத்தப்பட வேண்டும்.	கரங்கத்தில் இருந்து ஏற்படும் இனஞ்சல் அளவு 85 டிசிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.
கரங்க சட்ட விதிகள் 1955ன் கீழ் கரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு கொதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வட்டியாக வாகனங்கள் செல்லும் சாலைவரை தொடர்ந்து நன்கு பராமரிக்க வேண்டும்.	
கரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்திணைகள் பாதிக்கப்படக் கூடாது.	
நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
கரங்கத்திலிருந்து கனம் பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
கரங்கப்பணிகள் முடிக்கப்பட்டவுடன் கரங்க மூடல் திட்டத்தில் உள்ளவாறு கரங்கத்தினை மூட வேண்டும்.	
கரங்க நடவடிக்கைகளை முடித்தபின்னர் கரங்கப் பகுதி மற்றும் கரங்க நடவடிக்கைகளால் இடைபூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகலம்பகுதியை உருவாக்க வேண்டும்.	
(முழுமையான நிபந்தனைகளை அரிய பாரிவேஷம் (http://parivash.com) என்கிற இணையதளத்தைப் பார்வைவிடவும். மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் மூலங்களிலுள்ள வட்டா அலுவலகம்: 044 - 26222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறிப்பாளரை அணுகவும்.	


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