

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 303rd Meeting of the State Expert Appraisal Committee (SEAC) held on 18th August 2022 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 303-01

(File No: 8243/2021)

Proposed Rough Stone & Gravel quarry lease over an extent of 0.71.5 Ha at S.F.Nos. 383/1(P) & 383/2A2A1(P) of Morattupalayam Village. Uthukuli Taluk, Tiruppur District, Tamil Nadu by Thiru.K.Senthilkumar - For Environmental Clearance (SIA/TN/MIN/59860/202r dated 13.01.2021)

Earlier, this proposal was placed for appraisal in this 299th meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
2. TOR was issued vide Lr No.SEIAA-TN/F.No.8243/SEAC/ToR-918/2020 Dated : 16.03.2021.
3. Public Hearing was conducted on 23.08.2021.
4. EIA report was submitted on 30.09.2021.

Sl. No	Details of the proposal	
1	Name of the Owner/Firm	: Thiru.K.Senthilkumar Anna Street Uthukuli Taluk Tiruppur District - 638752
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough stone & Gravel
3	S.F No. Of the quarry site with area break-up	: 383/1 (P) & 383/2A2A1(P)
4	Village in which situated	: Morattupalayam
5	Taluk in which situated	: Uthukuli
6	District in which situated	: Tiruppur
7	Extent of quarry (in ha.)	: 0.71.5Ha


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8	Latitude & Longitude of all corners of the quarry site	:	11°08'07.70"N to 11°08'11.35"N 77°25'03.26"N to 77°25'06.97" N
9	Topo Sheet No.	:	58 – E/08
10	Type of mining		Opencast Mechanized Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 15,300m ³ Rough stone with ultimate depth of 32m BGL.
	Existing Depth of Quarry		32 m (avg.) BGL
13	Depth of quarrying	:	32m BGL
14	Depth of water table	:	62m in summer and 58m in rainy season
15	Man Power requirement per day:		13 Nos.
17	Water requirement: 1. Drinking & domestic purposes 2. Dust suppression 3. Green Belt	:	4.5KLD 0.5 KLD 3.0 KLD 1.0 KLD
18	Power requirement		TNEB 500 Liters of HSD/ day
20	Precise area communication approved by the, District Collector, with date	:	Na.Ka.No.992/2020/Mines, dated: 26.11.2020
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Rc.No.992/2020/Mines, dated: 16.12.2020
22	Assistant Director, Department of Geology and Mining 500m cluster letter		Rc.No.992/2020/Mines, dated: 16.12.2020
23	VAO certificate regarding 300m radius cluster		Letter dated: 11.12.2020
24	Project Cost (excluding EMP cost)	:	Rs.17,52,000
25	EMP cost	:	Capital Cost - Rs.10,70,000 Recurring Cost – Rs. 17,20,000

26	CER cost	5 lakhs As per SEAC Minutes
27	TOR Issued	Lr.No.SEIAA-TN/F.No.8243/SEAC/ToR-918/2020 Dated: 16.03.2021
28	Public Hearing	23.08.2021
29	EIA Report Received	30.09.2021

Based on the presentation made by the proponent, SEAC recommended to grant of Environmental Clearance for the production quantity of 15,300 m³ of rough stone with Annual Peak Production Capacity of 4950 m³ (4th year) of Rough stone keeping an ultimate depth of 32m as per the mining plan, subject to the standard conditions as per Annexure -I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall furnish the affidavit to the concerned AD (Geology & Mines) before obtaining the CTO from TNPCB stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
3. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
4. Since the quarry lies in a cluster situation, the PP shall submit a Standard Operating Procedure to the concerned AD (Geology & Mines) before obtaining

the CTO from TNPCB for carrying out the safe blasting operation while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.

5. Since Effluent Treatment plant is located at a distance of 360m from the proposed lease area, 'Cumulative Blast-induced Vibration Study from the cluster of mines' shall be carried out within one year of commencement of mining operations by involving reputed academic/research institution such as Anna University-CEG Campus, IIT Madras, NITK Surathkal – Dept of Mining Engg, NIRM and other CSIR labs such that the blasts are designed to be conducted by achieving the PPV triggered value at the aforesaid Treatment Plant is not exceeding 2 mm/s and the copy of the above study report shall be submitted to the SEIAA, the concerned AD (Geology & Mines), the concerned DEE/TNPCB, MoEF-IRO, Chennai and the DMS, Chennai.
6. In the case of proposed lease in an existing (or old) quarry where the benches are nonexistent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, to the concerned DEE/TNPCB before for obtaining the CTO.
7. As a part of EMP, the PP shall carry out the scientific studies during 3rd year of quarrying operations to assess the slope stability of the proposed working benches / quarry wall, by involving a reputed Research and Academic Institution such as NIRM, IITs, NITK-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, the concerned AD (Geology & Mines), the concerned DEE/TNPCB, MoEF-IRO, Chennai and the DMS, Chennai.
8. All the commitments made by the proponent during the Public Hearing, as per the minutes of Public Hearing should be implemented in total.
9. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.


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10. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the committed activities in Panchayat Union Middle School, Neelagoundapalayam, Tiruppur as committed, before obtaining CTO from TNPCB.

Agenda No: 303-02

(File No: 8285/2021)

Proposed Rough Stone Quarry lease over an extent of 0.82.0Ha in S.F.Nos.80/20, 80/21, 80/22 of Melur Village, Kulathur Taluk, Pudukottai District, Tamil Nadu by R.Muthusamy -Environmental Clearance- Regarding. (SIA/TN/MIN/60331/2021, dated: 30.01.2021)

The proposal was placed for appraisal in this 303rd meeting of SEAC held on 18.08.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).


SEAC noted the following:

1. The Project Proponent, Thiru.R.Muthusamy has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 0.82.0 Ha at S.F.Nos. 80/20, 80/21 & 80/22 at Melur Village, Kulathur Taluk, Pudukottai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 64,576m³ of Rough Stone with ultimate depth of 27m BGL (2m – Top Soil & 25m – Rough Stone).
4. TOR was issued vide Lr No.SEIAA-TN/F.No.8285/SEAC/ToR- 940/2021 Dated: 27.04.2021.
5. Public Hearing was conducted on :7.4.2022.
6. EIA Report was submitted on: 27.5.2022.

Based on the presentation made by the proponent, SEAC noted and decided to call for details as follows

1. SVS International College of Architecture is at a distance of 375m from the proposed lease area. Hence, the PP is requested to furnish 'Not Functioning' letter from the Tahsildar, as PP claims that the college is not functioning in recent years.


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

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

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

Agenda No: 303-03

(File No: 8509/2021)

Proposed Multi Colour Granite Quarry lease over an extent of 1.69.5 Ha in S.F.Nos.898, 899, of Panayadipatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru.A.Gunasekaran - Environmental Clearance- Regarding. (SIA/TN/MIN/207408/2021, dated: 31.03.2021)

The proposal was placed for appraisal in this 303rd meeting of SEAC held on 18.08.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

SEAC noted the following:

1. The Project Proponent, Thiru.A.Gunasekaran has applied for Environmental Clearance for the proposed Multi Colour Granite quarry lease over an extent of 1.69.5 Ha in S.F.Nos.898, 899, of Panayadipatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The approved third scheme of mining plan is for the period of 4 years. The total production for 4 years not to exceed production quantity 15,773m³ of Multi Colour Granite with ultimate depth of 22m BGL.

Based on the presentation made by the proponent, SEAC noted and decided to call for details as follows

1. From the approved 3rd Scheme of Mining, it was ascertained that the PP had carried out the development work during 2nd Scheme Period (i.e., 2018-2019). However, it has been observed from the DD (Geology and Mining) letter Roc.No:KVI/134/2019 dated: 21.01.2021, a quantity of 206,560 cbm of granite had been transported during the above period of 2018-2019. Hence,


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the PP shall furnish actual facts regarding the above quantity of 206.560 cbm of granite obtained from the concerned Competent Authority.

2. Certified Compliance report for the 2nd Scheme of Mining shall be submitted.

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

Agenda No: 303-04

(File No: 8796/2021)

Proposed Quartz & Feldspar quarry lease over an extent of 1.21.5 Ha in S.F.Nos.352/1A of Mulayampoondi Village, Dharapuram Taluk, Tiruppur District, Tamil Nadu by M/s R.S.Mining Corporation - Environmental Clearance- Regarding. (SIA/TN/MIN/229050/2021, dated: 13.09.2021)

The proposal was placed for appraisal in this 303rd meeting of SEAC held on 18.08.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

SEAC noted the following:

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

Sl. No	Details of the proposal	
1	Name of the Owner/Firm	: M/s. R.S.Mining Corporation No.173, Balaji Weighing Company Kondalampatty Bye-Pass Salem District-636010.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Quartz & Feldspar
3	S.F No. Of the quarry site with area break-up	: 352/1A
4	Village in which situated	: Mulayampoondi
5	Taluk in which situated	: Dharapuram
6	District in which situated	: Tiruppur
7	Extent of quarry (in ha.)	: 1.21.5 Ha
8	Latitude & Longitude of all corners of the quarry site	: 10°51'00.73"N to 10°51'04.69"N 77°42'28.53"E to 77°42'32.39" E
9	Topo Sheet No.	: 58 – F/09

10	Type of mining		Opencast Mechanized Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	ROM – 15,673 Tonnes Recoverable reserves (Quartz (40%) + Feldspar (60%)) 70% - 10,970 Tonnes Mineral rejects – 4,703 Tonnes Top soil – 22,880 Tonnes Weathered – 10,706 Tonnes Side burden – 27,378 Tonnes 70% Recovery Quartz 40% - 4,386 Tonnes Feldspar 60% - 6,584 Tonnes
13	Depth of quarrying	:	9m (2m Top soil + 1m Weathered + 6m [Quartz & Feldspar])
14	Depth of water table	:	55m in summer and 50m in rainy season
15	Man Power requirement per day:		12 Nos.
17	Water requirement: 4. Drinking & domestic purposes 5. Dust suppression 6. Green Belt	:	2.0KLD 0.5 KLD 1.0 KLD 0.5 KLD
18	Power requirement		TNEB 150 Liters of HSD/ day
20	Precise area communication approved by the, District Collector, with date	:	Letter No.10216/MMC.1/2020-1, Dated: 25.01.2021
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Letter No.2605/MM7/2020, Dated: 15.07.2021
22	Assistant Director, Department of Geology and Mining 500m cluster letter		Rc.No.933/2019/Mines, dated: 08.09.2021
23	VAO certificate regarding 300m radius cluster		Letter Furnished
24	Project Cost (excluding EMP cost)	:	Rs.26,63,000
25	EMP cost	:	Capital Cost - Rs.12,00,000 Recurring Cost – Rs. 14,38,000
26	CER cost		5 lakhs As per SEAC Minutes

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for quantity of 4,376T of Quartz and 6,584T of Feldspar and for an annual peak production of 894T of Quartz (1st Year) and 1341T of Feldspar (1st Year), subject to the standard conditions as per the Annexure-I of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

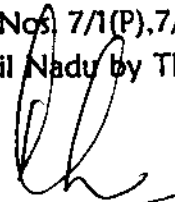
1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The proponent must complete the Green belt development before the execution of mine lease.
3. The proponent must erect sign board with all the necessary signages and warnings.
4. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
5. The PP shall carry out the controlled blasting operation involving line drilling and muffle blasting in the quarry after obtaining the prior permission from the Director of Mines Safety, Chennai.
6. 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.
7. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayat Union Primary School, Moolanur Union, Tiruppur before obtaining CTO from TNPCB.

Agenda No: 303-05

(File No: 9174/2022)

Proposed Rough Stone Quarry lease over an extent of 1.11.5 Ha in S.F.Nos. 7/1(P), 7/4 & 8/3 Veppalampatti Village, Uthangarai Taluk, Krishnagiri District, Tamil Nadu by Thiru.


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B.Amanullah - Environmental Clearance- Regarding. (SIA/TN/MIN/267234/2021, dated: 11.04.2022)

The proposal was placed for appraisal in this 303rd meeting of SEAC held on 18.08.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

SEAC noted the following:

1. The Project Proponent, Thiru. B.Amanullah has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 1.11.5 Ha in S.F.Nos. 7/1(P), 7/4 & 8/3 Veppalampatti Village, Uthangarai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 1,77,329 m³ of Rough Stone with ultimate depth of 38m BGL.

The project proponent and the consultant were absent for the meeting. Hence the SEAC had decided not to take up the project for appraisal.

Agenda No: 303-06


(File No: 5233/2016)

Proposed Gravel Quarry lease over an extent of 2.94.0Ha in S.F.Nos. 75/1A, 75/6, 75/7A, 75/7B, 75/8A, 76/2C, 76/3A, 76/3C & 76/5B of Viralipatti Village, Gandharvakkottai Taluk, Pudukkottai District, Tamil Nadu by Sing.J.Muruganantham - Environmental Clearance- Regarding. (SIA/TN/MIN/263928/2022, dated: 07.04.2022)

The proposal was placed for appraisal in this 303rd meeting of SEAC held on 18.08.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

SEAC noted the following:

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


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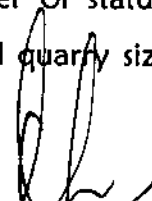
Sl. No	Details of the proposal		
1	Name of the Owner/Firm	:	Sing.J.Muruganantham S/o. Sing.Jegadeesan No.2/7, Poongothaillam Chennapatti Road, Vallam Thanjavur District - 613 403
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	gravel
3	S.F No. Of the quarry site with area break-up	:	75/1A, 75/6, 75/7A, 75/7B, 75/8A, 76/2C, 76/3A, 76/3C & 76/5B
4	Village in which situated	:	Viralipatti
5	Taluk in which situated	:	Gandharvakkottai
6	District in which situated	:	Pudukkottai
7	Extent of quarry (in ha.)	:	2.94.0Ha
8	Latitude & Longitude of all corners of the quarry site	:	10°38'43.82"N to 10°38'51.82"N 78°58'55.00"N to 78°59'02.86" N
9	Topo Sheet No.	:	58 – J/14
10	Type of mining		Opencast Mechanized Mining
11	Period of quarrying proposed	:	3 years
12	Production (Quantity in m ³)	:	As per the mining plan, the lease period is for 3 years. The mining plan is for the period of 5 years. The site area consists of 2 blocks namely A and B. The production quantity for Block A is 12,524m ³ for an ultimate depth of 2m and for Block B is 21,984m ³ for an ultimate depth of 2m. The total production for 3 years not to exceed 34,508m ³ of Gravel.
13	Depth of quarrying	:	2m BGL
14	Depth of water table	:	20m in summer and 15m in rainy season
15	Man Power requirement per day:		09 Nos.
17	Water requirement: 7. Drinking & domestic purposes	:	2.0KLD 0.4 KLD 1.0 KLD

	8. Dust suppression 9. Green Belt		0.6 KLD
18	Power requirement		TNEB 5,750 Liters of HSD will be utilized for the entire project
20	Precise area communication approved by the District Collector, with date	:	Rc.No.186/2018 (G & M), dated:01.08.2019
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Rc.No.186/2018 (G & M), dated:25.02.2022
22	Assistant Director, Department of Geology and Mining 500m cluster letter		Rc.No.186/2018 (G & M), dated:25.02.2022
23	VAO certificate regarding 300m radius cluster		Letter dated: 10.03.2022
24	Project Cost (excluding EMP cost)	:	Rs.16,31,800
25	EMP cost	:	Capital Cost - Rs.6,92,000 Recurring Cost – Rs.6,64,600
26	CER cost		2 lakhs As per SEAC Minutes

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for quantity of 12,524m³ for Block A and 21,984m³ for Block B with a total production quantity of 34,508m³ and for an annual peak production of 12,524m³ of Gravel (1st Year), subject to the standard conditions as per the Annexure -I of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as


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per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.

3. 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.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall 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.
6. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
7. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
8. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate

noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.

9. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
10. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
11. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper spacing as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
12. 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.
13. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
14. 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.

15. 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.
16. 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.
17. 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.
18. 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.
19. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the Appendix -II of this minute.
20. 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.
21. As accepted by the Project Proponent the CER cost is Rs. 2 lakhs and the amount shall be spent to the committed activities for Panchayat Union Primary School, Kalluppatti, Pudukkottai District before obtaining CTO from TNPCB.

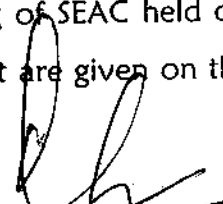
Agenda No: 303-07

(File No: 9202/2021)

Proposed Rough stone and Gravel Quarry quarry lease over an extent of 2.00.0 Ha in S.F.Nos.305/A (part) of Karvazhi Village, Aravakurichi Taluk, Karur District, Tamil Nadu by B.Sasikala - Environmental Clearance- Regarding. (SIA/TN/MIN/268847/2022, dated: 23.04.2022)

The proposal was placed for appraisal in this 303rd meeting of SEAC held on 18.08.2022. The details of the project furnished by the proponent are given on the


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website (parivesh.nic.in).

SEAC noted the following:

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

Sl. No	Details of the proposal	
1	Name of the Owner/Firm	: Tmt.B.Sasikala W/o.Mr.Balusamy Punnam village Pugalur Taluk Karur District-639136
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough stone and gravel
3	S.F No. Of the quarry site with area break-up	: 305/A (Part)
4	Village in which situated	: Karvazhi
5	Taluk in which situated	: Pugalur
6	District in which situated	: Karur
7	Extent of quarry (in ha.)	: 2.00.0Ha
8	Latitude & Longitude of all corners of the quarry site	: 11°01'09.89"N to 11°01'16.79"N 77°48'50.61"E to 77°48'54.93" E
9	Topo Sheet No.	: 58 – E/16
10	Type of mining	Opencast Mechanized Mining
11	Period of quarrying proposed	: 5 years
12	Production (Quantity in m ³)	: As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 2,02,7904m ³ of Rough stone and 62,320m ³ of Gravel with ultimate depth of 40m BGL
13	Existing depth of quarry	18 m BGL
13	Depth of quarrying	: 40m BGL
14	Depth of water table	: 55m in summer and 50m in rainy season
15	Man Power requirement per day:	28 Nos.


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17	Water requirement: 10. Drinking & domestic purposes (in KLD) 11. Dust suppression , Green Belt & Wet Drilling (in KLD)	:	3.3 KLD 1.3 KLD 1.0 KLD 1.0 KLD
18	Power requirement		TNEB 1,62,240 Liters of HSD will be utilized for Rough Stone. 16,624 Liters of HSD will be utilized for Gravel.
20	Precise area communication approved by the, District Collector, with date	:	Na.Ka.No.137/Kanimam/2021, dt: 13.01.2022
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Rc.No.137/Mines/2021, dt:06.04.2022
22	Assistant Director, Department of Geology and Mining 500m cluster letter		Rc.No.137/Mines/2021, dt:18.04.2022
23	VAO certificate regarding 300m radius cluster		Letter dated: 20.04.2022
24	Project Cost (excluding EMP cost)	:	Rs.56,50,000
25	EMP cost	:	Capital Cost - Rs.10,87,600 Recurring Cost – Rs.6,98,000
26	CER cost		5.8 lakhs As per SEAC Minutes

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for quantity of 2,02,790m³ of Rough stone and 62,320m³ of Gravel with an annual peak production of 44,920m³ of Rough stone (5th Year) and 24,600 m³ of Gravel (1st & 2nd Year) by maintaining an ultimate pit depth of 40m BGL, subject to the standard conditions as per the Annexure-I of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:


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1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall furnish the affidavit to the concerned AD (Geology & Mines) before obtaining the CTO from TNPCB stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
4. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
5. Since the habitations and Athupalayam Dam are located at a distance of 470m & 880 m respectively from the quarry site, the PP shall carry out 'Blast-induced Vibration Study' within two years of commencement of mining operations by involving reputed academic/research institution such as Anna University-CEG Campus, IIT Madras, NITK Surathkal – Dept of Mining Engg, NIRM and other CSIR labs such that the blasts are designed to be conducted by achieving the PPV triggered value at the aforesaid structures is not exceeding the values as prescribed by the DGMS and the copy of the above study report shall be submitted to the SEIAA, the concerned AD (Geology & Mines), the concerned DEE/TNPCB, MoEF-IRO, Chennai and the DMS, Chennai.
6. In the case of proposed lease in an existing (or old) quarry where the benches are nonexistent (or) partially formed critical of the bench geometry approved in

the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, to the concerned DEE/TNPCB before for obtaining the CTO.

7. As a part of EMP, the PP shall carry out the scientific studies during 4th year of quarrying operations to assess the slope stability of the proposed working benches / quarry wall, by involving a reputed Research and Academic Institution such as NIRM, IITs, NITK-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, the concerned AD (Geology & Mines), the concerned DEE/TNPCB, MoEF-IRO, Chennai and the DMS, Chennai.
8. The proponent must complete the fencing and also Green belt plantation along the boundary before the execution of lease deed.
9. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
10. As accepted by the Project Proponent the CER cost is Rs. 5.8 lakhs and the amount shall be spent to the committed activities for Government High School – Kaarvali Village before obtaining CTO from TNPCB.

Agenda No: 303-08

(File No: 9272/2022)

Proposed Rough Stone and Gravel Quarry lease over an extent of 3.07.0 Ha in S.F.Nos. 66/1 & 66/2 Keeranur Village, Kangeyam Taluk, Tiruppur District, Tamil Nadu by Thiru. R.Muthusamy - Environmental Clearance- Regarding. (SIA/TN/MIN/273437/2022, dated: 20.05.2022)

The proposal was placed for appraisal in this 303rd meeting of SEAC held on 18.08.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

SEAC noted the following:

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


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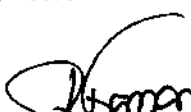

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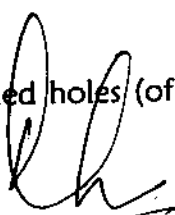
Sl. No	Details of the proposal		
1	Name of the Owner/Firm	:	Thiru. R.Muthusamy S/o. Rangasamy No.77, South Street Morattupalayam Uthukuli Tiruppur -638752
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough stone and gravel
3	S.F No. Of the quarry site with area break-up	:	66/1 & 66/2
4	Village in which situated	:	Keeranur
5	Taluk in which situated	:	Kangeyam
6	District in which situated	:	Tiruppur
7	Extent of quarry (in ha.)	:	3.07.0 Ha
8	Latitude & Longitude of all corners of the quarry site	:	11°03'59.04"N to 11°04'06.38"N 77°33'49.11"N to 77°33'55.55" N
9	Topo Sheet No.	:	58 – E/12
10	Type of mining		Opencast Mechanized Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 2,78,595 m ³ of Rough Stone and 37,886 m ³ of Gravel with ultimate depth of 37m BGL (2m – Gravel & 35m – Rough Stone).
13	Depth of quarrying	:	37m BGL (2m Gravel + 35m Rough stone)
14	Depth of water table	:	70m in summer and 65m in rainy season
15	Man Power requirement per day:		30 Nos.
17	Water requirement: 12. Drinking & domestic purposes 13. Dust suppression 14. Green Belt	:	2.5 KLD 0.5 KLD 1.2 KLD 0.8 KLD
18	Power requirement		TNEB 2,29,190 Liters of HSD will be utilized for the entire project
20	Precise area	:	Rc.No. 1265/Mines/2021, dated: 01.04.2022

	communication approved by the, District Collector, with date		
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Rc.No. 1265/Mines/2021, dated: 11.04.2022
22	Assistant Director, Department of Geology and Mining 500m cluster letter		Rc.No. 1265/Mines/2021, dated: 11.04.2022
23	VAO certificate regarding 300m radius cluster		Letter dated: 18.04.2022
24	Project Cost (excluding EMP cost)	:	Rs.66,38,000
25	EMP cost	:	Capital Cost - Rs.14,81,000 Recurring Cost - Rs.21,81,000
26	CER cost		5 lakhs As per SEAC Minutes

Based on the presentation made by the proponent, SEAC recommended to grant of Environmental Clearance for the production quantity of 2,78,595 m³ of Rough Stone and 37,886 m³ of Gravel as per the mining plan with an ultimate depth of 37m, subject to the standard conditions as per 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 No. S.O. 1807(E) Dt12.4.2022.
2. The proponent must complete the fencing and also Green belt plantation along the boundary before the execution of lease deed.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
4. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34


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mm dia & 1.5 m depth) & NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.

5. In the case of proposed lease in an existing (or old) quarry where the benches are nonexistent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry, to the concerned Asst. Director of Geology and Mining before execution of the lease.
6. 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.
7. As accepted by the Project Proponent the CER cost is Rs. 5.8 lakhs and the amount shall be spent to the committed activities for Government Higher Secondary school, Keeranur, Tiruppur District before obtaining CTO from TNPCB.

Agenda No: 303-09

(File No: 8776/2021)

Proposed Rough Stone & Gravel quarry Lease over an extent of 2.90.5 Ha at S.F.No. 42/1, 42/2, 42/3, 42/4, 42/5 & 42/6 in Mooduthurai Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by. Thiru. A. Chandrasekar – For Environmental Clearance.(SIA/TN/MIN/227740/2021 dated.07.09.2021)

The proposal was placed in 303th SEAC meeting held on 18.08.2022. The project proponent has given a detailed presentation.

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

1. The Project proponent shall furnish a letter from DFO on the proximity details of nearest RF with respect to the proposed project site.
2. The project proponent shall submit certified compliance report for the EC obtained earlier.


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Agenda No: 303-10

(File No: 9266/2022)

Proposed Earth quarry Lease over an extent of 1.74.0 Ha at S.F.No. 2/3C & 139/3A in Manikollai Village, Bhuvanagiri Taluk, Cuddalore District, Tamil Nadu by. Tvl.Grain Commercials LLP – For Environmental Clearance.(SIA/TN/MIN/272829/2022 dated.14.05.2022)

The proposal was placed in 303th SEAC meeting held on 18.08.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

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

Sl. No	Details of the proposal	
1	Name of the Owner/Firm	: Tvl.Grain Commercials LLP No.8, Chennaimalaipalayam Village, Tiruppur Taluk, Tiruppur District – 641 606
2	Type of quarrying (Savudu/Rough Stone/Sand/Earth/Granite)	: Earth quarry
3	S.F No. Of the quarry site	: 2/3C & 139/3A
4	Village in which situated	: Manikollai
5	Taluk in which situated	: Bhuvanagiri
6	District in which situated	: Cuddalore
7	Extent of quarry (in ha.)	: 1.74.0 Ha (Patta land)
8	Period of quarrying proposed	: 2 years
9	Type of mining	: Opencast method of shallow mining
10	Production (Quantity in m ³)	: As per the mining plan, the lease period is for 2 years, the total quantity of recoverable should not exceed 25,456m ³ of earth with an ultimate depth of mining 2 m Below Ground Level.
11	Latitude & Longitude of all corners of the quarry site	: 11°32'58.64"N to 11°33'02.86"N 79°42'54.89"E to 79°43'01.97"E
12	Topo Sheet No.	: 58 M/10
13	Man Power requirement per day:	: 8 Employees
14	Precise area communication approved by the Asst. Director, Department of G&M	: Rc.No. 283/Mines/2021, Dated: 30.03.2022


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	with date		
15	Mining Plan approved by the Asst. Director, Department of G&M with date	:	Rc.No. 283/Mines/2021, Dated: 07.04.2022
16	500m cluster letter approved by the Asst. Director, Department of G&M with date	:	Rc.No. 283/Mines/2021, Dated: 07.04.2022
17	Water requirement: 15. Drinking & domestic purposes 16. Dust suppression 17. Green Belt	:	1.4 KLD 0.2 KLD 0.8 KLD 0.4 KLD
18	Power requirement	:	4240 lts of HSD for entire project life
18	Depth of quarrying	:	2m below ground level
19	Depth of water table	:	18m-13m
20	Whether any habitation within 300m distance	:	No
21	Project Cost (excluding EMP cost)	:	Rs.20.46 Lakhs
22	EMP cost	:	Rs.1.20 Lakhs
22	CER cost	:	Rs.2 Lakhs
23	VAO certificate regarding 300m radius cluster	:	Dated.04.04.2022

2) The project proponent has submitted soil test report obtained from Department of Civil Engineering, National Institute of Technology, Tiruchirappalli vide Ref.No.NITT/RC/DD/2022-41 dated 25.07.2022.

3) Assistant Director (i/c), Geology and Mining, Cuddalore District vide Rc.No.283/Mines/2021 dated.12.08.2022 informed that

"There are no rivers, streams, canals etc., situated adjacent to the applied area. Further there is no Notified/ Declared protected zones situated adjacent to the applied area".

Based on the presentation and document furnished by the project proponent, after detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance for 25,456 Cu.m of Earth with an ultimate depth of mining is 2m Below Ground Level, 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


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- mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
 3. 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.
 4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
 5. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall 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.
 6. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.

7. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
8. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
9. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
10. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
11. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper spacing as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
12. 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.
13. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and


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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.

14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the Appendix –II of this minute.
20. 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.
21. As accepted by the Project Proponent the CER cost is Rs. 2 lakhs and the amount shall be spent for the committed activities for Panchayat Union

Primary School, Palvathunnan, Manikollai Panchayat, Cuddalore District before obtaining CTO from TNPCB.

Agenda No: 303-11

(File No: 7762/2021)

Proposed Rough Stone and Gravel quarry project over an extent of 2.63.0 Ha in S.F.No. 83/2A1(P) & 382/2B at Morattupalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu by Thiru. P.Thangamuthusamy- For Environmental Clearance. (SIA/TN/MIN/55451/2020 dated: 24.09.2021)

The project proposal was placed in the 303rd SEAC meeting held on 18.08.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.P.Thangamuthusamy has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 2.63.0 ha at S.F.No. 83/2A1(P) & 382/2B of Morattupalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the the lease period is for 5 years and the total quantity of recoverable should not exceed 2,30,090m³ of Rough stone & 2,352m³ of gravel with an ultimate depth of mining is 42m (2m Gravel + 40m Rough stone).

Based on the presentation & details furnished by the PP, the SEAC decided to call for the following details.

1. The PP shall furnish the certified compliance report from the MoEF&CC /TNPCB on the Existing EC issued

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

Agenda No: 303-12

(File No: 8847/2021)

Proposed Rough Stone and Gravel quarry project over an extent of 3.40.5 Ha in S.F.No. 64/3A, 3B, 3D, 65/2A, 65/2B, 65/3A, 65/6, 66/1A1, 66/1A2, 66/1B2, 66/2A2, 66/2B1, 66/2B2, 67/3A1, 65/3B1, 66/3B2, 66/1B1, 66/2A1, 64/6A, 64/7A, 64/6B,


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64/7B at Sundakottai Village, Aruppukottai Taluk, Virudhunagr District, Tamil Nadu by Thiru.M.Thiruvappu - For Environmental Clearance.
(SIA/TN/MIN/ 77342/2021 dated: 29.09.2021)

The project proposal was placed in the 303rd SEAC meeting held on 18.08.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.M.Thiruvappu has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 3.40.5ha at S.F.No 64/3A, 3B, 3D, 65/2A, 65/2B, 65/3A, 65/6, 66/1A1, 66/1A2, 66/1B2, 66/2A2, 66/2B1, 66/2B2, 67/3A1, 65/3B1, 66/3B2, 66/1B1, 66/2A1, 64/6A, 64/7A, 64/6B, 64/7B of Sundakottai Village, Aruppukottai Taluk, Virudhunagr District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the the lease period is for 5 years and the total quantity of recoverable should not exceed 502843m³ of Rough Stone for five years & 48210m³ Gravel for two years with an ultimate depth of mining is 47m depth from BGL(2m Gravel + 45m Rough stone)
4. TOR issued vide Lr No.SEIAA-TN/T.No.8847/SEAC/TOR-11/03/2021 Dated :21.03.2022.
5. Public hearing Not conducted
6. Certain survey nos of the land possessing the quarry site indicates the existence of 'Nanjai' land classification.

Based on the presentation & details furnished by the PP, the SEAC decided to call for the following details.

1. Project Proponent shall conduct Public Hearing as imposed in the TOR granted for the Project and revise EIA/EMP reports based on public hearing accordingly.
2. The PP shall provide the information on land classification changes.

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


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Agenda No: 303-13

(File No: 9190/2022)

Proposed Gravel quarry project over an extent of 2.93.5 Ha in S.F.No. 109/1 at Pattavarthi Ayyampalayam Village, Sathyamangalam Taluk and Erode District, Tamil Nadu by Thiru.S.Duraimurugan - For Environmental Clearance.

(SIA/TN/MIN/268447/2022 dated: 19.04.2022)

The project proposal was placed in the 303rd SEAC meeting held on 18.08.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

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

Sl. No.	Details of the proposal	
1.	Name of the Owner / Firm	S.Duraimurugan S/o. Saminadhan No. 5. Mariyamman Kovil Street Mirattunilai Pudukkottai District - 622 201
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Gravel quarry
3.	S.F No. of the quarry site with area break-up	S. F. No. 109/1
4.	Village in which situated	Pattavarthi Ayyampalayam Village
5.	Taluk in which situated	Sathyamangalam Taluk
6.	District in which situated	Erode District
7.	Extent of Quarry (in ha.)	2.93.5 Ha
8.	Period of Quarrying proposed	Three years
9.	Type of Mining	Opencast Mechanized Mining
10.	Production (Quantity in m ³)	As per mining plan, the the lease period is for 3 years and the total quantity of recoverable should not exceed 48,800m ³ of gravel with an ultimate depth of mining is 2m below ground level.
11.	Latitude & Longitude of all corners of the quarry site	11°31'04.84"N to 11°31'11.73"N 77°10'57.84"E to 77°11'06.50"E

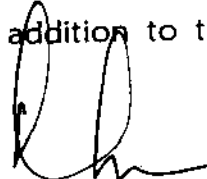

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12.	Topo sheet No.	58-E/ 02
13.	Man power requirement per day:	8 Employees
14.	Precise Area Communication approved by the District Collector Karur District with date	Rc.No.869/Mines/2021, Dated: 01.03.2022
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No. 869/Mines/2021 Dated: 14.03.2022.
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No. 869/Mines/2021 Dated: 14.03.2022.
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression & Green Belt (in KLD)	2.0KLD 1.5KLD 0.2 KLD 1.5KLD & 0.3KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 8130Liters of HSD will be utilized
19.	Depth of Mining	2m Below ground level
20.	Depth of Water table	56m -53m bgl
21.	Whether any habitation within 300m distance	No
22.	Project cost	Rs. 35,30,000/-
23.	EMP cost	Rs. 1,75,000/-
24.	CER cost	No CER
25.	VAO letter dated	Nil

Based on the presentation made by the proponent, SEAC recommended to grant of Environmental Clearance for the production quantity 48,800m³ of gravel with an ultimate depth of mining is 2m below ground level, subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the


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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 No. S.O. 1807(E) Dt12.4.2022.
2. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
3. 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.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall 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.
6. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.

7. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
8. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
9. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
10. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
11. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper spacing as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
12. 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.
13. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and

- public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
14. 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.
 15. 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.
 16. 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.
 17. 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.
 18. 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.
 19. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the Appendix –II of this minute.
 20. 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.
 21. As accepted by the Project Proponent Rs. 2 lakh shall be remitted to DFO, Erode and the amount shall be spent for doing conservation activities in the Satyamangalam Tiger Reserve before obtaining CTO from TNPCB.

Agenda No: 303-14

(File No: 9204/2022)

Proposed Rough stone quarry project over an extent of 1.00.0Ha in S.F.No. 79 (PART) at Rengappanaickenpatty Village, Nilakkottai Taluk, Dindigul District, Tamil Nadu by Thiru.G.Ravikumar - For Environmental Clearance.
(SIA/TN/MIN//251908/2022 dated: 26.04.2022)

The project proposal was placed in the 303rd SEAC meeting held on 18.08.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

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

Sl. No.	Details of the proposal	Data Furnished
1.	Name of the Owner / Firm	Thiru.G.Ravikumar S/o. Ganesan, N.o .1/24c, Karuppusamy kovil street, Ambathurai, Dindigul district -624302
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone quarry
3.	S.F No. of the quarry site with areabreak-up	S. F. No. 79 (PART)
4.	Village in which situated	Rengappanaickenpatty Village
5.	Taluk in which situated	Nilakkottai Taluk
6.	District in which situated	Dindigul District
7.	Extent of Quarry (in ha.)	1.00.0Ha
8.	Period of Quarrying proposed	Five year
9.	Type of Mining	Opencast Semi Mechanized mining method
10.	Production (Quantity in m ³)	As per mining plan, the the lease period is for 5 years and the total quantity of recoverable should not exceed 93,100 m ³ of Rough stone & 6400m ³ of topsoil with an ultimate depth of mining is 30m below ground level

11.	Latitude & Longitude of all corners of the quarry site	10°04'24.52"N to 10°04'28.04"N 77°42'30.67"E to 77°42'34.63"E
12.	Topo sheet No.	58- F/12
13.	Man power requirement per day:	27 Employees
14.	Precise Area Communication approved by the District Collector	R.o.c.No.116/2021(Mines), Dated 6.05.2021
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	R.o.c.No.116/2021(Mines), Dated 7.10.2021
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	R.o.c.No.116/2021(Mines), Dated 7.10.2021
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	2.5KLD 1.0 KLD 1.0 KLD 0.5. KLD
18.	Power requirement: c. Domestic purpose d. Machinery works	TNEB
19.	Depth of Mining	30m Below ground level
20.	Depth of Water table	50m-45m Below ground level
21.	Whether any habitation within 300m distance	No
22.	Project cost	Rs. 42,15,000/-
23.	EMP cost	Rs. 3,40,000/-
24.	CER cost	7 lakhs
25.	VAO letter dated	07.10.2021

Based on the presentation made by the proponent, SEAC recommended to grant of Environmental Clearance for the production quantity of 93,100 m³ of Rough stone with an ultimate depth of mining is 30m below ground level, subject to the standard conditions as per 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 No. S.O. 1807(E) Dt12.4.2022.

2. The proponent must complete the fencing and also Green belt plantation along the boundary before the execution of lease deed.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
4. The PP shall furnish the affidavit to the concerned AD (Geology & Mines) before obtaining the CTO from TNPCB stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
5. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
6. The PP shall construct an embankment to protect the flow of water in the 'Odai' situated at a distance of 70 m from the lease as per the provisions of MMR 1961.
7. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
8. As accepted by the Project Proponent the CER cost is Rs. 7 lakhs and the amount shall be spent to the committed activities for Panchayat union Primary School, Kunnuthupatti Village before obtaining CTO from TNPCB.

Agenda No: 303-15

(File No: 9274/2022)

Proposed Red Earth quarry project over an extent of 2.00.5Ha in S.F.No. 252 at Iruveli Village, Kadaladi Taluk, Ramanathapuram District, Tamil Nadu by Tmt.K.Gandhimathi - For Environmental Clearance. (SIA/TN/MIN/273207/2022 dated: 20.05.2022)

The project proposal was placed in the 303rd SEAC meeting held on 18.08.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

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

Sl. No.	Details of the proposal	Data Furnished
26.	Name of the Owner / Firm	Tmt. K. Gandhimathi W/o. Karuppaiya Sayalkudi Kadaladi Ramanathapuram -623120
27.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Red Earth quarry
28.	S.F No. of the quarry site with area break-up	S. F. No. 252
29.	Village in which situated	Iruveli Village
30.	Taluk in which situated	Kadaladi Taluk
31.	District in which situated	Ramanathapuram District
32.	Extent of Quarry (in ha.)	2.00.5 Ha
33.	Period of Quarrying proposed	one year
34.	Type of Mining	Open cast Shallow mining method
35.	Production (Quantity in m ³)	As per mining plan, the lease period is for 1 years and the total quantity of recoverable should not exceed 27,590 m ³ of Red Earth with an ultimate depth of mining is 2m below ground level.
36.	Latitude & Longitude of all corners of the quarry site	09°09'42.64"N to 09°09'49.86"N 78°24'22.88"E to 78°24'26.56"E
37.	Topo sheet No.	58K/08



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38.	Man power requirement per day:	7 Employees
39.	Precise Area Communication approved by the District Collector	Roc. No. G&M/20/2022 dated 23.03.2022
40.	Mining plan approved by the Deputy Director of Geology and Mining with date	Roc.No.20/G&M/2022 dated: 07.04.2022
41.	500mts letter approved by the Deputy Director of Geology and Mining with date	Roc.No.20/G&M/2022 dated: 07.04.2022
42.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression & Green Belt (in KLD)	2.5KLD 2.5KLD
43.	Power requirement: a. Domestic purpose b. Machinery works	- 4,600 liters of HSD will be used for the entire projects
44.	Depth of Mining	2m Below ground level
45.	Depth of Water table	30m
46.	Whether any habitation within 300m distance	No
47.	Project cost	Rs. 12, 01,000 /-
48.	EMP cost	Rs. 1,30,000 /-
49.	CER cost	No CER
50.	VAO letter dated	Nil

Based on the presentation made by the proponent, SEAC recommended to grant of Environmental Clearance for the production quantity 27,590 m³ of Red Earth with an ultimate depth of mining is 2m below ground level., 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 No. S.O. 1807(E) Dt12.4.2022.


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2. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. 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.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall 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.
6. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
7. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
8. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise

level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.

9. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
10. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
11. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper spacing as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
12. 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.
13. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
14. 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.

15. 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.
16. 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.
17. 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.
18. 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.
19. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the Appendix –II of this minute.
20. 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.
22. As accepted by the Project Proponent Rs. 3 lakh shall be remitted to DFO, Ramanathapuram and the amount shall be spent for doing conservation activities in the Ecological Sensitive area before obtaining CTO from TNPCB.

Agenda No: 303-16

(File No: 9205/2022)

Proposed Construction of Commercial Mall at S.F Nos: 66/3B, 66/6A3 & 66/6A4 of Sennerkuppam Village, Poonamallee Taluk, Tiruvallur District, Tamil Nadu by Dr. N. M. Veeraiyan – For Environmental Clearance.(SIA/TN/MIS/269815/2022 dated 27.04.2022)

The proposal was placed in this 303rd Meeting of SEAC held on 18.08.2022. The details of the project furnished by the proponent are available on the website (www.parivesh.nic.in).


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The SEAC noted the following:

1. The Project Proponent, Dr. N. M. Veeraiyan has applied for Environmental Clearance for the Proposed Construction of Commercial Mall at S.F Nos: 66/3B, 66/6A3 & 66/6A4 of Sennerkuppam Village, Poonamallee Taluk, Tiruvallur District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

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

1. The project proponent shall explore the possibilities of shifting / moving the surface parking area proposed for 668.349 Sq.m (9.01 % of total plot area) to the basement area (1 & 2) or by adopting MLCP system. Details of the plan shall be furnished.
2. The Surface parking area proposed for 668.349 Sq.m (9.01 % of total plot area) shall be converted into a Green belt area in addition to the Green belt area already proposed for 1,116.235 Sq.m (15.04 of total plot area). Totally 24.05 % of the total plot area shall be allotted for green belt development. Accordingly, the project proponent shall furnish the following:
 - i) Details of the revised green belt development plan and layout with the GPS co-ordinates.
 - ii) Details of revised land use break-up area.
 - iii) Details of the basement parking area.
3. Sewage treatment plant proposed should be above ground level.
4. A copy of the water (source water from the Thiruverkkadu Municipality supply) commitment letter obtained from the competent Authority shall be furnished.
5. The project proponent shall furnish a copy of the permission/ NOC obtained from the sister concern (Saveetha Dental University) for the utilization of treated sewage of 24 KLD for the Avenue plantation with area details and EMP shall be revised accordingly.

6. Details of the E-waste generation and disposal and management as per the e-waste management rules 2016.
7. Rainwater harvesting pits shall be re-designed considering the soil profile of the proposed site.
8. Species identified for Greenbelt development shall be revised considering the native species.
9. The project proponent shall furnish the following commitment in an affidavit:
 - i) 50 % utilization of solar power for street lights, etc from the total power consumption.
 - ii) will propose Air Cooled HVAC for the proposed mall
 - iii) we Will comply green building norms and obtain Indian Green Building Council) (IGBC) gold rating.
10. PP shall submit revised CER and EMP as discussed.

On receipt of the above details, the proposals may be placed in the SEAC for re-presentation.

Agenda No: 303-17

(File No: 7857/2021)

Proposed Rough stone and gravel quarry lease over an extent of 1.66.5 Ha at S.F.No. 367/2A (Part), Morattupalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu by Tmt.R.Chitra - For Environmental Clearance. (SIA/TN/MIN/56602/2021 dated 27.09.2021)

The proposal was placed for appraisal in this 303rd meeting of SEAC held on 18.08.2022. The Committee noted that the Project Proponent has submitted request for the withdrawal of EC application after conducting public hearing. Hence the Committee decided to request the Member Secretary, SEIAA TN for admitting the withdrawal of the EC application and to convey the decision accordingly.

Agenda No: 303-18

(File No: 7857/2021)

Proposed Construction of Residential Buildings in the name "RWD -One North" at S.F.No. 14/1A1A1 & 12/2b of Kathirvedu Village, Sembium-Redhills High Road, Madhavaram Taluk, Kolathur, Chennai District, Tamil Nadu by M/s. Ramky Wavoo Developers Pvt Ltd - For Environmental Clearance. (SIA/TN/MIN/267919/2022 dated 18.04.2022)

The proposal was placed for appraisal in this 303rd meeting of SEAC held on


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18.08.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Ramky Wavoo Developers Pvt Ltd has applied seeking Environmental Clearance for the proposed construction of Residential Buildings in the name "RWD -One North" at S.F.No. 14/1A1A1 & 12/2b of Kathirvedu Village, Sembium-Redhills High Road, Madhavaram Taluk, Kolathur, Chennai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. The project consists 4 Blocks (A, B, C - each comprising of Basement+ Stilt + 13 Floors for Residence and Block D comprising Basement+ Ground floor + 3 Floors for Super Market, Multipurpose Hall and Indoor Games & Gym) with total plot area of 9564 Sq.m and built- up area of 40,084. 93 Sq.m.

Based on the presentation and documents furnished by the Project Proponent, the Committee decided to direct the Proponent to furnish the following additional particulars:

1. Project Proponent shall furnish legality of the power of attorney.
2. Copy of 30-year-old A-register pertaining to the project site shall be furnished.
3. History of land ownership (encumbrance certificate) details to be furnished.
4. Project Proponent shall furnish the copy of land use classification certificate obtained from the competent authority.
5. Plan of sewage treatment plant shall be revised for providing ZLD along with adequacy report.
6. Details of parking area assigned for two and four wheelers shall be provided.
7. Land area split-up with percentage land area allocated to be furnished.
8. The Project Proponent shall furnish the copy of Provisional certificate for Gold rating or above issued by Indian Green Building Council for the proposed project activity.
9. The Project Proponent shall ensure 50% of the roof area is covered with solar panels for harnessing solar energy.

10. The Project Proponent shall ensure that the air-conditioners are provided are of air-cooled type.
11. Organic waste converter shall be in-place for processing bio-degradable wastes generated by the occupants.
12. The Project Proponent shall comply with the provisions given under E-waste Management Rules,2016 as amended.
13. 25% of land area shall be earmarked for Green-belt development excluding OSR area and the GPS coordinates of the same shall be furnished.

On receipt of the aforesaid additional details/documents from the Project Proponent the subject shall be placed before the Committee for appraisal.

Agenda No: 303-19

(File No: 9264/2022)

Proposed Rough stone and gravel quarry lease over an extent of 2.45.0 Ha at S.F.No. 112/1A & 113/2, Thulaiyanur Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru. R. Balu - For Environmental Clearance. (SIA/TN/MIN/273652/2022 dated 27.09.2021)

The proposal was placed for appraisal in this 303rd meeting of SEAC held on 18.08.2022. The Committee noted that the Project Proponent vide letter dated 18.08.2022 has explained his inability to attend this meeting in view of medical issue. The Committee therefore decided to defer the proposal to a later date.

Agenda No: 303- TA-01

(File No: 9363/2022)

Proposed Sand quarry over an extent of 4.65.5 Ha in South Vellar river located at S.F.Nos. 79 (P), Piranthani village, Avudaiyarkoil Taluk, Pudukkottai District, Tamil Nadu, by the Executive Engineer,PWD/WRD- For Environmental Clearance. (SIA/TN/MIN/273232/2022 Dt. 28.5.2022)

The proposal was placed for appraisal in this 293rd SEAC Meeting held on 8.7.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for Environmental Clearance for the proposed sand quarry over an extent of 4.65.5 Ha in South Vellar river located at S.F.Nos. 79 (P), Piranthani village, Avudaiyarkoil Taluk, Pudukkottai District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of


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

3. As per mining plan, the lease period is one year and the mining plan for the period of One year & mining quantity should not exceed 81994 cu.m. of sand. The ultimate depth 1 metres below bed level.
4. Earlier the proposal was placed in 293rd SEAC meeting held on 08.07.2022. Based on presentation & documents furnished by the PP, SEAC decided to carry out onsite inspection by the Sub Committee constituted by SEAC to assess the present Environmental Condition. On receipt of the Sub Committee report further deliberation will be done.

Based on the above, The State Expert Appraisal Committee (SEAC) Tamil Nadu constituted a subcommittee vide its Lr.No.SEAC/TN/Site Inspection/2022, dt.06.08.2022 to inspect and study the field condition for the proposal seeking EC for a sand quarry proposed at Piranthani Village in SF No. 79(P), Avudaiyarkoil Taluk, Pudukkottai District. The Committee comprises of Mr. K.S.S.V.P. Reddy, I.F.S (Rtd), member SEAC and Dr. P. Balamadeswaran, Member, SEAC.

Accordingly, the sub-committee visited the site on 11.08.2022. The observations made in the field and recommendations derived on the basis of the field visit are given as below:

1.1 Proponent team:

The following officials of WRD/PWD participated during the field inspection:

1. Er Murugesan EE, Mining & Monitoring division, Trichy
2. Er. Jayaraman, AEE/Mining & Monitoring division, Trichy
3. Er. Annamalai, AE/Mining & Monitoring division, Trichy
4. Er. M. Arulmani, AE/ Mining & Monitoring division, Trichy
5. Mr. S. Suriyakumar EIA Coordinator (Mining), ABM Enviro Tech (P) Ltd., Salem.

2.0 Observations:

- Proposed sand quarry is located in the Piranthani Village in SF. No.79 (P) in the river bed of South Vellar.


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- The dimension of the proposed sand quarry is 576m (Avg) in length and 80m (Avg.) in width.
- Safety distance of 50m is provided from the banks of the river on either side.
- Shoal of the sand elevated for the height of 2m from the ground level is represented by close spaced contour intervals in the geological plan is verified.
- Sand availability below 1m TBL & Shoal of thickness 0.761m is verified in the field from the small excavation made for drainage.
- There is no infrastructures like bridge/ Pump/ Intake well within 500m radius both upstream & Downstream side.
- It is reported that there are no mining leases granted in this area for the past 5 years.

3.0 Recommendations:

1.	The PP shall form the temporary access roads or Katcha roads along the bank of the river to connect the mining area with locally available bio-degradable materials such as sugarcane waste (bagasse), hay, etc.
2.	The PP shall carefully locate the proper entry and exit point taking into consideration the habitations/settlements in the area for the movement of loading vehicles in and out of the sand quarry site.
3.	It is the obligation of the Public Works Department to run the quarry in an environmentally friendly and ecologically sustainable manner.
4.	The PP shall take necessary steps to construct and strengthen the embankments of the river at the both sides during the sand quarrying operation.
5.	The PP shall maintain a uniform depth of excavation above the theoretical bed level during the quarrying operation such that it ensures the free flow of river course.
6.	The PP shall also carry out the closure activities in the line of planting the sand binder creepers such as 'Canavalia cathartica' which can be widely distributed as pantropical mat-forming creeper that prevents sand erosion particularly adjacent to the side of the embankments.

7.	The PP shall carry out the sand quarrying activities in such a manner that it ensures safe & beneficial activity for the public as it also prevents shallow flowing of water into the surrounding agricultural lands.
8.	The PP shall remove the sheds constructed at the quarry site after the exhaustion of the quantity of sand, and all the roads / pathways may be levelled so that there is no obstruction for the normal flow in the river.
9.	The PP shall carry out the quarrying operation as indicated in the approved mining plan in such a way that the operation continuously aligned for smooth flow of water.
10.	To prevent air pollution due to the dust during sand quarrying operations and safeguard the persons in the sand quarry and depot site, constant water sprinkling on the pathways and dust prone areas shall be carried out by the PP. The sand loaded vehicles are also to be covered with a tarpaulin before moving out of the quarries/depots.
11.	The river reaches with sand provide the resource and thus it is necessary to ascertain the rate of replenishment of the mineral. Hence, the PP shall carry out the replenishment study periodically as recommended in the EMGSM-2020, to keep a balance between deposition and extraction.
12.	The PP shall follow the recommendations given in the existing two guidelines viz. "Sustainable Sand Mining Management Guideline-2016" (SSMG-2016), and "Enforcement & Monitoring Guidelines for Sand Mining" (EMGSM-2020) published by the MoEF & CC scrupulously for the management of sustainable sand extraction and monitoring of the mined-out material.

Hence, the subcommittee opined that the proposal for the issue of Environmental Clearance for a Sand quarry proposed at Piranthani Village in SF No. 79(P), Avudaiyarkoil Taluk, Pudukkottai District, Tamil Nadu may be considered.

The proposal was again been placed in 303rd SEAC meeting held on 18.08.2022. Based on the recommendations of the sub-committee and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the 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. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere the EMP as committed.
3. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.65.5 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
4. The depth of sand quarrying shall be restricted to 1 m from the theoretical bed level.
5. The project proponent shall monitor the groundwater level during sand quarrying operations, a network of existing wells may be established around the sand quarrying area and new piezometers must be installed at all sand quarry sites. Monitoring of Ground Water Quality in the vicinity (one Km radius from the sand quarrying site) shall be carried out once in two months by engaging Groundwater Wing of the Water Resources Department.
6. An interdisciplinary team consisting of hydrogeologists, soil scientists, PWD engineers, TWAD Board engineers, and officials may be formed. It can conduct a scientific study to decide the distance or a range of distance that should be maintained between a sand quarry and infiltration and collection wells.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving at least 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.

12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF & CC, GOI, New Delhi.
14. If the agricultural activities (or) thick greeneries are being carried out around all the sand mining projects, the mining operation should not affect the greeneries (or) agricultural activities as well as it should not lead to depletion of water in the open wells located nearby.
15. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle move on the road that should be fully covered with tarpaulin.
16. The pathway used by all machineries should be properly constructed and maintained by the PWD in order to avoid pollution.
17. The mining operation should be above the ground water table.
18. Adequate statutory manpower to be deployed for complying with the provisions to use heavy machineries as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
19. The Proponent shall provide Provision of bio-toilet to be ensured and confirmed.
20. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.

ANNEXURE-I

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

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

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

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

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

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

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

26. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the Appendix –II of this minute.


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Appendix -I
List of Native Trees Suggested for Planting

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

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

Appendix –II

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

-----சுரங்கம்

சுரங்கங்களில் சுவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நுபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/____, தேதியிடப்பட்டு, சுற்றுச்சூழல் அனுமதி _____ தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகனம் பகுதி வளர்ச்சி	சுவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்
மேம்பாட்டுக்கான சுரங்கத் திட்டம்	சுரங்கப்பாறையின் ஆழம் தளமாட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும்.
	காற்றில் மாக ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும்.
நடப்பட்டு	வாகனங்கள் செல்லும் பாறையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் வாரிகளின் மூலமாக அல்வப்போது தெளிக்க வேண்டும்.
பராமரிக்கப்படவேண்டிய மரங்கள் எண்ணிக்கை:	இரைச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக சுவாரியின் எல்லையை சுற்றி அடர்த்தியான பகனம் பகுதியை ஏற்படுத்த வேண்டும்.
	சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுற்கள் பறக்காதவாரும் பாதுகாப்பு நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்.
	சுரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டெசிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.
	சுரங்க சட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு ககாதசுமுள்ள கழிப்பறை வசதிகளை செய்யு தர வேண்டும்.
	கிராமம் அல்லது பஞ்சாயத்து வாரியாக வாகனங்கள் செல்லும் சாலையை தொடர்ந்து தன்கு பராமரிக்க வேண்டும்.
	சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்திலைகள் பாதிக்கப்படக் கூடாது.
	தீர்திலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி தீர்த் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.
	சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.
	சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.
	சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகனம்பகுதியை உருவாக்க வேண்டும்.
	முழுமையான துபந்தனைகளை அறிய பாரிவேஷ் (http://parivesh.nic.in) என்கிற இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 – 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்


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Table Agenda No: 303-TA-02

(File No: 9298/2022)

Proposed Sand quarry over an extent of 2.05.0 Ha in South Vellaru river located at S.F.Nos. 60 (P), Thandalai Village, Manamelkudi Taluk, Pudukkottai District, Tamil Nadu by the Executive Engineer, PWD/WRD- For Environmental Clearance. (SIA /TN /MIN / 273596 /2022 Dt.27.5.2022)

The proposal was placed in the 293rd SEAC Meeting held on 08.7.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).


The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for Environmental Clearance proposed Sand quarry over an extent of 2.05.0 Ha in South Vellaru river located at S.F.Nos. 60 (P), Thandalai Village, Manamelkudi Taluk, Pudukkottai District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is One year and the mining plan for the period of One year & mining quantity should not exceed 21006 cu.m. of sand. The ultimate depth 1 metres below bed level.

Based on presentation & documents furnished by the PP, SEAC decided to carry out onsite inspection by the Sub-Committee constituted by SEAC to assess the present Environmental Condition.

The State Expert Appraisal Committee (SEAC) Tamil Nadu constituted a sub-committee vide its Lr.No.SEAC/TN/Site Inspection/2022, dt.06.08.2022 to inspect and study the field condition for the proposal seeking EC for a sand quarry proposed at Thandalai Village in SF No. 60(P), Manamelkudi Taluk, Pudukkottai District. The Committee comprises of Mr. K.S.S.V.P. Reddy, I.F.S (Rtd), Member, SEAC and Dr. P. Balamadeswaran, Member, SEAC.

Accordingly, the sub-committee visited the site on 11.08.2022. The observations made in the field and recommendation derived on the basis of the field visit are given as below:


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1.1 Proponent team:

The following officials of WRD participated and facilitated the field inspection:

1. Er. Murugesan EE, Mining & Monitoring division, Trichy
2. Er. Jayaraman, AEE/Mining & Monitoring division, Trichy
3. Er. Annamalai, AE/Mining & Monitoring division, Trichy
4. Er. M. Arulmani, AE/ Mining & Monitoring division, Trichy
5. Mr. S. Suriyakumar, EIA Coordinator (Mining), ABM Enviro Tech (P) Ltd, Salem.

2.0 Thandalai Sand Quarry :

a) Location of the Quarry

Pillar No	Latitude	Longitude
1	N10° 03'17.8185"	E79°11'54.8318"
2	N10° 03'19.0725"	E79°11'56.5822"
3	N10° 03'23.2864"	E79°11'59.1525"
4	N10° 03'26.8263"	E79°12'08.9260"
5	N10° 03'25.6975"	E79°12'09.4009"
6	N10° 03'23.2351"	E79°12'01.8241"
7	N10° 03'17.8998"	E79°11'57.0992"
8	N10° 03'17.1691"	E79°11'55.1273"

b) Details of the Quarry

Sl.No	Description	Details
1	Proposal number	SIA/TN/MIN/273663/2022, DT.30.05.2022
2	File number	9298/2022
3	Proponent	Executive Engineer, WRD., Mining and Monitoring Division, Tiruchirappalli
4	Major Project Activity	Mining of minerals
5	Category	B2
6	Project Type	Fresh EC
7	River	South Vellar
8	Location	SF. No. 60(P) of Thandalai Village
9	Area	2.05.0 Hec
10	Quantity& Duration	21006m ³ / 1 year
11	Depth	1m below bed level

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12	Method of Mining	Open cast - mechanized mining
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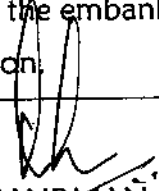
3.0 Observations:

- Proposed sand quarry is located in the Thandalai Village in SF. No.60 (P) in the river bed of South Vellar.
- The dimension of the proposed sand quarry is 526m (Avg) in length and 58m (Avg) in width.
- Safety distance of 50m is provided from the banks of the river on either side.
- Sand availability below 1m TBL is verified in the field
- There is no infrastructures like bridge/ Pump/ Intake well within 500m radius both upstream & Downstream side.
- It is reported that there are no mining leases granted in this area for the past 5 years.
- It has been informed that the the public works department (PWD) proposed to allow the bullock carts for loading the sand and transportation from the Depot, which provides employment opportunities and income for the local villagers.

4.0 Recommendations:

1.	Whenever the bullock carts are used in the quarrying (or) transportation operation, the PP shall ensure that the PWD is tracking the bullock carts with RFID tag to avoid any misuse.
2.	The PP shall form the temporary access roads or Katcha roads along the bank of the river to connect the stock yard with locally available bio-degradable materials such as sugarcane waste (bagasse), hay, etc.
3.	The PP shall carefully locate the proper entry and exit point taking into consideration the habitations/settlements in the area for the movement of loading vehicles in and out of the sand quarry site.
4.	It is the obligation of the Public Works Department to run the quarry in an environmentally friendly and ecologically sustainable manner.
5.	The PP shall take necessary steps to construct and strengthen the embankments of the river at the both sides during the sand quarrying operation.


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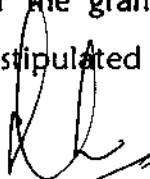

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6.	The PP shall maintain a uniform depth of excavation above the theoretical bed level during the quarrying operation such that it ensures the free flow of river course.
7.	The PP shall also carry out the closure activities in the line of planting the sand binder creepers that prevents sand erosion particularly adjacent to the side of the embankments.
8.	The PP shall carry out the sand quarrying activities in such a manner that it ensures safe & beneficial activity for the public as it also prevents shallow flowing of water into the surrounding agricultural lands. The sand loaded vehicles are also to be covered with a tarpaulin before moving out of the depots.
9.	The PP shall remove the sheds constructed at the quarry site after the exhaustion of the quantity of sand, and all the roads / pathways may be levelled so that there is no obstruction for the normal flow in the river.
10.	The PP shall carry out the quarrying operation as indicated in the approved mining plan in such a way that the operation continuously aligned for smooth flow of water.
11.	The river reaches with sand provide the resource and thus it is necessary to ascertain the rate of replenishment of the mineral. Hence, the PP shall carry out the replenishment study periodically as recommended in the EMGSM-2020, to keep a balance between deposition and extraction.
12.	The PP shall follow the recommendations given in the existing two guidelines viz. "Sustainable Sand Mining Management Guideline-2016" (SSMG-2016), and "Enforcement & Monitoring Guidelines for Sand Mining" (EMGSM-2020) published by the MoEF & CC scrupulously for the management of sustainable sand extraction and monitoring of the mined-out material.


Hence, the subcommittee opines the proposal for the issue of Environmental Clearance for a Sand quarry proposed at Thandalai Village in SF No. 60(P), Manamalkudi Taluk, Pudukkottai District, Tamil Nadu may be considered.

The proposal was again been placed in 303rd SEAC meeting held on 18.08.2022. Based on the recommendations of the sub-committee and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:


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1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere the EMP as committed.
3. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 2.05.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
4. The depth of sand quarrying shall be restricted to 1 m from the theoretical bed level.
5. The project proponent shall monitor the groundwater level during sand quarrying operations, a network of existing wells may be established around the sand quarrying area and new piezometers must be installed at all sand quarry sites. Monitoring of Ground Water Quality in the vicinity (one Km radius from the sand quarrying site) shall be carried out once in two months by engaging Groundwater Wing of the Water Resources Department.
6. An interdisciplinary team consisting of hydrogeologists, soil scientists, PWD engineers, TWAD Board engineers, and officials may be formed. It can conduct a scientific study to decide the distance or a range of distance that should be maintained between a sand quarry and infiltration and collection wells.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving at least 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.

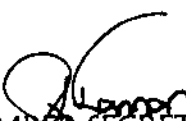


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11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF & CC, GOI, New Delhi.
14. If the agricultural activities (or) thick greeneries are being carried out around all the sand mining projects, the mining operation should not affect the greeneries (or) agricultural activities as well as it should not lead to depletion of water in the open wells located nearby.
15. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle move on the road that should be fully covered with tarpaulin.
16. The pathway used by all machineries should be properly constructed and maintained by the PWD in order to avoid pollution.
17. The mining operation should be above the ground water table.
18. Adequate statutory manpower to be deployed for complying with the provisions to use heavy machineries as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
19. The Proponent shall provide Provision of bio-toilet to be ensured and confirmed.
20. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.


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