

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 306th Meeting of the State Expert Appraisal Committee (SEAC) held on 25th August 2022 (Tuesday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 306- 1

(File No: 6239/2018)

Proposed Existing Limestone Mine over an extent of 4.71.5 Ha at S.F.No. 116/1(P), 123/2B(P), 123/2C, 123/2D, 123/2E1B, 123/2E1C, 123/2E1G(P), 123/2E1D & 123/2E1F(P) of Chinnagoundanur Village, Sankari Taluk, Salem District, Tamil Nadu by Tvl. Mahalakshmi Mines & Pulverisers - For Environmental Clearance(Under Violation Category) (SIA/TN/MIN/ 69745/2018 Dt. 08.12.2021)


The proposal was placed in 306th SEAC meeting held on 25.08.2022. 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, Tvl. Mahalakshmi Mines & Pulverisers has applied for Environmental Clearance for the proposed Existing Limestone Mine over an extent of 4.71.5 Ha at S.F.No. 116/1(P), 123/2B(P), 123/2C, 123/2D, 123/2E1B, 123/2E1C, 123/2E1G(P), 123/2E1D & 123/2E1F(P) of Chinnagoundanur Village, Sankari Taluk, Salem 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. ToR issued vide Lr.No.SEIAATN/F.No.6239/ToR-327/2018 dated 11.05.2018.
 4. Public hearing was conducted on 23.09.2021.
 5. Earlier this proposal was placed in 256th SEAC meeting held on 24.03.2022.
- Based on the presentation and documents furnished by the project proponent,

SEAC observed the following:

- Suriyamalai reserve forest is located at a distance of 1.3 km. The project proponent shall obtain ground truth letter from DFO/Revenue Department clearly indicating the distance from the proposed site to the nearest point of Reserve Forest and shall obtain No objection certificate from Wild Life Warden, Salem.
- The project proponent shall revise afforestation cost in EMP.


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- Since the project comes under violation category, the project proponent shall furnish status report on credible action initiated by the state Government under the provision of section 19 of the Environment (protection) Act, 1986.
- The proponent shall Re-work Environmental damage assessment as per the guidelines and formula prescribed by MoEF for the violation projects.

Now, the proposal was placed for reappraisal in this 306th SEAC meeting held on 25.08.2022. The project proponent requested SEAC to defer the proposal to submit some additional documents. SEAC, therefore, decided to defer the proposal.

Agenda No: 306-02

(File No: 6443/2017)

Proposed Expansion of Steel Melting Plant from 1,42,200 TPA (MS INGOTS of 41,400 TPA, MS BILLETS of 1,00,800 TPA) to 2,88,000 TPA of MS BILLETS and 2,50,000 TPA of TMT BARS at SIPCOT Industrial Complex, Pappankuppam Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu by M/s. ARS Steels & Alloy International Private Limited - For Environmental Clearance. (SIA/TN/MIN/59690/2021 dated 06.01.2021)

The proposal was earlier placed for appraisal in 242nd meeting of SEAC held on 03.02.2022 & 276th meeting of SEAC held on 21.05.2022. 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 proposes expansion of Steel Melting Plant from 1,42,200TPA to 2,88,000 TPA of MS Billets and 2,50,000 TPA of TMT Bars at Pappankuppam Village, SIPCOT Industrial Complex, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu.
2. ToR issued by SEIAA-TN vide Lr.No.SEIAA-TN/F.No.6443/2017/3 (a)/ARS/ToR-494/2018 dated: 08.06.2018.
3. Amendment ToR-I issued by SEIAA-TN vide Lr.No.SEIAA-TN/F.No.6443/2017/3 (a)/ARS/A/ToR-494/2018 dated: 17.06.2019.
4. Amendment ToR-II issued by SEIAA-TN vide Lr.No.SEIAA-TN/F.No.6443/2017/3 (a)/ARS/B/ToR-494/2018 dated: 19.08.2019.
5. Public hearing was conducted on 27.11.2020.


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

- Pulicat Eco-sensitive Zone is located at a distance of 6.48 km, N, the project proponent shall obtain a No objection certificate from Wild Life Warden, Chennai.
- The project proponent shall submit certified compliance report for the EC obtained earlier.
- 4 Nos of Ambient air quality monitoring (AAQM) stations shall be set up as per statutory requirement. The locations of ambient air quality monitoring stations shall be decided in consultation with the Tamil Nadu Pollution Control Board and it shall be ensured that maximum numbers of stations to be installed in the up wind direction and same shall be connected to CARE AIR centre in TNPCB for online monitoring.
- The proponent shall furnish revised CER as per OM dated 13.09.2020 & 20.10.2020.
- The proponent shall furnish a certificate from a senior official of SIPCOT, not below the rank of GM on the distance between the proposed site and the nearest inter-State boundary.
- The proponent shall furnish an adequacy report on the efficiency of the revamped APC measures by either IIT, Madras or Anna University.

Again the proposal was placed in the 284th meeting of SEAC held on 10.6.2022. The project proponent made presentation along with above said details. Based on the presentation, SEAC noted that the project proponent has not obtained NBWL clearance, since Pulicat Eco-sensitive Zone is located at a distance of 6.48 km. SEAC therefore decided to direct the project proponent to submit NBWL clearance.

The subject was again placed in this 306th meeting of SEAC held on 25.08.2022. SEAC noted that the project proponent has not obtained NBWL clearance for the Pulicat Eco-sensitive Zone which is located at a distance of 6.48 km from the project site. Hence the Committee decided to request SEIAA to direct the Proponent to submit the NBWL clearance and verify the same before remitting the file back to SEAC.


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Agenda No. 306-03

File No. 6990/2019

Proposed savudu quarry lease over an extent of 3.33.3 Ha in S.F.Nos. 445 (Part), Prelayambakkam II Village (lease in PWD Tank), Ponneri Taluk, Thiruvallur District, Tamil Nadu by S. Narendiran - For Environmental Clearance. (SIA/TN/MIN/39363/2019)

The proposal was placed in this 306th SEAC Meeting held on 28.06.2022. The details of the project furnished by the proponent are enclosed as Annexure.

The SEAC noted the following:

1. The Proponent, Thiru. S. Narendiran has applied for Environmental Clearance for the proposed savudu quarry lease over an extent of 3.33.3 Ha in S.F.Nos. 445 (Part), Prelayambakkam II Village(lease in PWD Tank), Ponneri Taluk, Thiruvallur District, Tamil Nadu for quarrying of 29997 Cu.m of savudu for a depth up to depth of 0.9m for a period of forty five days.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier this proposal was placed in 158th SEAC meeting held on 22.06.2020. The project proponent did not turn up and hence SEAC decided to defer the proposal.

The proposal was again placed in 306th SEAC meeting held on 25.08.2022. The Project proponent was absent for the meeting and the consultant requested for time. Hence, the Committee decided to defer the proposal.

Agenda No: 306 - 04

(File No: 7015/2019)

Proposed Savudu quarry lease over an extent of 0.39.5ha at S.F.No.45/4 in Thenpoduvakudi Village, Paramakudi Taluk, Ramanathapuram District, Tamil Nadu by Thiru.B.Prabakar - For Environmental Clearance.(SIA/TN/MIN/40739/2019, dated: 07.08.2019)

The proposal was earlier, placed in this 207th SEAC Meeting held on 17.03.2021. The project proponent gave detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:


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1. The project proponent, Thiru. B.Prabakar has applied for Environmental Clearance for the proposed Savudu quarry lease over an extent of 0.39.5ha at S.F.No. 45/4 in Thenpoduvakudi Village, Paramakudi Taluk, Ramanathapuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication has been issued to grant the lease for a period of **6 Months** only. The approved mining plan is also prepared accordingly for the period of **6 months** with the production quantity of not to exceed **2862 Cu.m of Savudu by restricting** the ultimate depth of **1.5 m BGL**.

On initial discussion, as per The Hon'ble Madurai Bench of Madras High Court order in WP(MD) No 20903 of 2016 dated 28/08/2019 wherein it is stated that,


"(i) The District Collectors of all the Southern Districts Viz., 13 Districts (i) Ramanathapuram, (ii) Madurai, (iii) Tiruchirappalli, (iv) Karur, (v) Thanjavur, (vi) Dindigul, (vii) Pudukottai, (viii) Theni, (ix) Sivagangai, (x) Virudhunagar, (xi) Thoothukudi, (xii) Tirunelveli, (xiii) Kanyakumari coming under the jurisdiction of this Court, are restrained from granting any fresh lease /license for quarrying Savudu sand in respect of patta lands; and

(ii) They are also directed to take necessary steps to cancel the lease/license already granted to the pattadars in accordance with law at the earliest."

Hence, the SEAC decided to defer the proposal.

In view of the Hon'ble Madurai Bench of Madras High Court Order Dt: 25.04.2022, the proposal was again placed in this 306th SEAC Meeting held on 25.08.2022.

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


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- i. *There shall not be any grant of quarry lease without ascertaining the composition/component of the minerals and without obtaining the report from authorized lab. The Dept of Geology and Mining shall establish a lab on its own or shall authorize any lab in this regard.*
- ii. *There shall not be any quarry operation in the name of colloquial terms/local terms and any lease shall be in accordance with minerals notified under section 3 (e) of the MMDR Act.*
- iii. *A high-level committee has to be constituted, consisting of Geologists and Experts in the said field and eminent Officers from WRO, PWD to conduct a detailed study/survey on the possibility or the availability of the river sand on the adjacent patta lands to the rivers and those places, where sand is available, have to be notified and declared as protected zones and there cannot be any quarry operation other than by the Government. in those notified areas.*
- iv. *The Department of Geology and Mining, shall furnish the details of all the Savudu quarries granted so far, in the state of Tamil Nadu, to this court, within a period of eight weeks from the date of receipt of a copy of this order.*
- v. *The details of all the savudu quarries shall also be furnished to the High Level Committee and High Level Committee shall inspect those quarries to ascertain the availability of sand in those quarries. In the event of High Level Committee ascertaining the availability of sand in these quarries, the same shall be reported to the Commissioner of Geology and Mining, marking a copy to this court and the Commissioner shall take necessary action as against the officials, who have granted quarry permits without ascertaining the composition of minerals.*
- vi. *Any quarry operations shall be permitted only by way of lease agreement, as per Article 299(1) of constitution of India.*
- vii. *The Government shall either adopt the Mineral Conservation Rules, 2017, framed by the Central Government or frame a separate Rule, as directed by the Hon'ble Supreme court in Deepak Kumar's case, within a period of six months from the date of receipt of a copy of this order.*
- viii. *Whenever, SEIAA clearance is required, it shall be done only physical inspection by deputing an officer attached to SEIAA and depending upon the report further*

proceedings may take place in accordance with law and there must be a mechanism to ensure the conditions of SEIAA are strictly complied with.

Acting on the above Judgment, the Director of Geology and Mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a lease period less than one year.
- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

The Committee, therefore, directed the proponent to submit the following additional details for further processing the proposal.

1. Revised precise area communication and revised mining plan avoiding colloquial name of mineral and revising the period of lease for a period of not less than 1 year.
2. The letter of precise area communication issued by the concerned competent authority (Asst Director / Geology & Mining, Cuddalore District) shall contain the details of composition / component of the minerals present in the proposed quarry lease based on the test results obtained from labs authorized by Director of Geology and Mining. Besides, the precise area communication shall also state that the applied area/the proposed quarry site does not lie adjoining to any river, canals, streams, etc and also does not comes under any notified / declared protected zones.
3. PP shall furnish the DFO letter indicating the proximity details of nearest RF, WLS, Tiger reserve etc., located within 25 Km radius.


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Agenda No: 306-5

(File No: 7433/2020)

Proposed Rough Stone quarry lease area over an extent of 1.25.0Ha at S.F.Nos. 328(Part - IV) of Mellur Duraisamipuram Village, Rajapalayam Taluk, Virudhunagar District, Tamil Nadu by Tmt. R. Iniya Snegha- For Environmental Clearance.

(SIA/TN/MIN/276698/2022, dated: 11.06.2022).

The proposal was earlier, placed in 207th SEAC meeting held on 17.3.2021. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

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

Sl. No.	Details of the proposal	
1.	Name of the Owner / Firm	Tmt. R. Iniya Snegha W/o. A.K. Rajpriam No. 18/D3, Chinnayaraja Street Rajapalayam Taluk Virudhunagar District - 626 117
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone quarry
3.	S.F No. of the quarry site with area break-up	328(Part - IV) – Poramboke Land.
4.	Village in which situated	Mellur Duraisamipuram Village
5.	Taluk in which situated	Rajapalayam Taluk
6.	District in which situated	Virudhunagar District
7.	Extent of Quarry (in ha.)	1.25.0Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast Semi-mechanized Mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 5 years & mining plan is for 5 years. Total production is 345500 m³ of Rough stone for five years with an ultimate depth of mining 60m (50m Above ground level and 10m below ground level). The Annual peak production as per mining plan is 7710 m³ of rough stone (3rd year) & 7392 m³ of gravel (2nd year)
11.	Latitude & Longitude of all corners of the quarry site	09° 21'30"N to 09° 21' 33"N 77° 26' 46"E to 77° 26' 50"E
12.	Topo sheet No.	58 - G/07
13.	Man power requirement per day:	19 Employees
14.	Precise Area Communication approved by the District Collector	Rc.No.K.V1/242/2018, Dated: 14.08.2018

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15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No.K.V1/242/2018, Dated: 09.11.2018
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No.K.V1/242/2018, Dated: 20.12.2019
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	4.5 KLD 1.0 KLD 2.0 KLD 1.5 KLD Source : From existing, bore wells and drinking water will be sourced from Approved water vendors.
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 91,563 Liters of HSD will be utilized for entire project life.
19.	Depth of Mining	60m (50m Above ground level and 10m below ground level)
20.	Depth of Water table	45-48 m
21.	Whether any habitation within 300m distance	No
22.	Project cost	Rs. 128.51 Lakhs
23.	EMP cost	Rs. 4,45,000/-
24.	CER cost	No CER
25.	VAO letter dated	06.02.2020

Based on the presentation made and the documents furnished by the Project proponent, SEAC directed the proponent to furnish the following details

- The project proponent shall obtain NOC from Chief Wildlife Warden, Srivilliputhur, since the proposed rough stone mining site is close to Srivilliputhur Grizzled Squirrel Wild Life Sanctuary (2.54 km) and Periyar Tiger Reserve (ESZ- II.96 km).

The PP has furnished the reply vide Lr Dt. 13.7.2022 for the aforesaid query. Based on the above, the proposal was again placed in this 306th Meeting of SEAC held on 25.08.2022. From the presentation and documents furnished by the project proponent, SEAC has decided to **recommend the proposal for the grant of Environmental Clearance** for the ultimate depth of mining upto 60m (50m Above ground level and 10m below ground level) and the quantity of 345500 m³ of Rough


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stone for a period of five years with the Annual peak production of 7710 m³ of rough stone (3rd year) & 7392 m³ of gravel (2nd 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. Prior clearance from NBWL is required by projects located within 10 km of national park/wildlife sanctuary where eco-sensitive zone (ESZ) has not been notified, as in the present case. The PP has, however, submitted NOC from Wildlife Warden, Srivilliputhur as directed by the Committee. SEIAA may, therefore, request the PP to submit NBWL clearance before issuing EC.
2. 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) Dt. 12.4.2022.
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 send the notice of opening to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
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. Within one year of the commencement of mining operations, the PP shall carry out the scientific studies on controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving reputed academic/research institution such as NIRM, Anna University-CEG Campus, IIT Madras, NITK Surathkal – Dept of Mining Engg. and other CSIR labs such that the blasts are designed to be conducted by achieving the PPV triggered value

at a distance of 1 km from the quarry, 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.

7. As a part of EMP, the PP shall carry out the scientific studies to assess the slope stability of the working benches / quarry wall during 4th year of quarrying operations (or) the depth of quarry exceeds 40 m whichever is earlier, 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. 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.
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.
10. As accepted by the Project proponent Rs.5 lakhs shall be remitted to DFO Viruthunagar and the amount shall be spent for the conservation measures in ESZ in SMTR, before obtaining CTO from TNPCB.

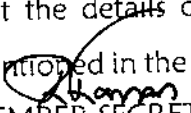
Agenda No: 306-06

(File No: 8056/2022)

Proposed Rough Stone quarry lease area over an extent of 0.94.0 Ha at S.F.No. 342 (Part- 2) of Palandampatti Village, Kulathur Taluk, Pudukottai District, Tamil Nadu by Thiru.V.Nishanthakumar - For Environmental Clearance.(SIA/TN/MIN/182357/2020, Dated 06.11.2020).

The proposal was placed in this 306th Meeting of SEAC held on 25.08.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

Earlier, this Proposal was placed in 222th SEAC held on 27.07.2021. Based on the presentation made and documents furnished by the project proponent, SEAC noted that the details of existing pit 2 nos. with depth 10m & 9m respectively were not mentioned in the mining plan approval & 500m radius letters of AD, Geology & Mining


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letter for this proposed mining area. Therefore, SEIAA office shall obtain clarification in this regard from the District Collector, Vellore District to verify the facts. Based on the said reply letter obtained from District Collector, Vellore District, SEAC would consider this application for further appraisal in any one of the forthcoming SEAC meetings.

The proponent has furnished reply vide Ir. Dt: 04.08.2022 enclosing AD, Geology & Mining, Pudukkottai Ir. Dt:24.03.2022 existing pit dimension details of the proposed mining area. In this connection, the proposal was again placed in this 306th SEAC Meeting held on 25.08.2022.

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
2. The Clarification as sought from Vellore Collector instead of Pudukkottai Collector.

Sl. No.	Details of the proposal	
1.	Name of the Owner / Firm	Thiru.V.Nishanthakumar S/o.Vivekanandan No.577, North 3rd Street Pudukkottai District - 622001
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone quarry
3.	S.F No. of the quarry site with area break-up	S. F. No. 342 (Part- 2) – Poramboke Land.
4.	Village in which situated	Palandampatti Village
5.	Taluk in which situated	Kulathur Taluk
6.	District in which situated	Pudukkottai District
7.	Extent of Quarry (in ha.)	0.94.0Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast Mechanized Mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 5 years & mining plan is for 5 years. 66977m ³ of Rough stone with ultimate depth of mining 32m below ground level The Annual peak production as per mining plan is 17550 m ³ of rough stone (2 nd year).
11.	Latitude & Longitude of all corners of the quarry site	10° 35' 57.97"N to 10° 36' 04.47"N 78° 46' 38.35"E to 78° 46' 43.35"E


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12.	Topo sheet No.	58 - J/14
13.	Man power requirement per day:	14Employees
14.	Precise Area Communication approved by the District Collector	Rc.No.18/2020/(G&M), Dated: 18.02.2020
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No.18/2020/(G&M), Dated: 11.05.2020
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No.18/2020/(G&M), Dated: 24.09.2020
17.	Water requirement: 4. Drinking & domestic purposed (in KLD) 5. Dust Suppression 6. Green Belt (in KLD)	2.3KLD 0.8KLD 1.0KLD 0.5KLD Source : For Greenbelt, from existing bore wells and however the drinking water will be sourced from Approved water vendors.
18.	Power requirement: c. Domestic purpose d. Machinery works	TNEB 53,584Liters of HSD will be utilized for entire project life.
19.	Depth of Mining	32m below ground level
20.	Depth of Water table	70m - 65 m
21.	Whether any habitation within 300m distance	No
22.	Project cost	Rs. 31,70,000/-
23.	EMP cost	Rs. 3,80,000/-
24.	CER cost	Rs.3 lakhs
25.	VAO letter dated	18.09.2020

Based on the presentation and documents furnished by the project proponent, SEAC has decided to **recommend the proposal for the grant of Environmental Clearance** for the ultimate depth of mining upto **32m** and the quantity of **66977m³** of **Rough stone** and the **Annual peak production is 17550 m³ of rough stone**, subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


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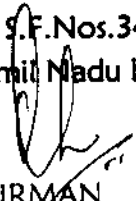
1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
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. Within one year of the commencement of mining operations, the PP shall carry out the scientific studies on controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as NIRM, IIT Madras, IIT (ISM), Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
4. The Project Proponent (PP) shall submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry exceeds 30 m vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
5. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
6. As accepted by the Project proponent the CER cost is Rs. 3 lakhs and the amount shall be spent for the Govt School as committed, before obtaining CTO from TNPCB.

Agenda No: 306 - 07

(File No: 8058/2020)

Proposed Rough Stone quarry lease area over an extent of 2.31.0Ha at S.F.Nos.342 (Part - 1), Palandampatti Village , Kulathur Taluk, Pudukottai District, Tamil Nadu by


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Thiru.V.Nishanthakumar - For Environmental Clearance. (SIA/TN/MIN/ 182383/2020, dated: 06.11.2020).

The proposal was earlier, placed for appraisal in this 222th meeting of SEAC held on 27.07.2021. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
2. The precise area communication was issued for the period of 5 years. The approved mining plan was issued for the period of five years & as per approved mining plan, the production should not exceed 193349 Cu.m of Rough Stone. The annual peak production is 48950 Cu.m of Rough Stone (4th Year). The ultimate depth is 47 m from the existing ground profile.

The Proposal was placed in 222th SEAC held on 27.07.2021. Based on the presentation made and documents furnished by the project proponent, SEAC noted that the details of existing pit 5 nos. with depth of 8m, 6m, 8m, 25m, & 17m respectively were not mentioned in the mining plan approval & 500m radius letters of AD, Geology & Mining for this proposed mining area. Therefore, SEIAA shall obtain clarification in this regard from the District Collector, Pudukottai District to verify the facts. Based on the said reply letter obtained from District Collector, Vellore District, SEAC would consider this application for further appraisal in any one of the forthcoming SEAC meetings. The proponent has furnished reply vide Ir. Dt: 04.08.2022 enclosing AD, Geology & Mining, Pudukkottai Ir. Dt: 24.03.2022 existing pit dimension details of the proposed mining area.

In this connection, the proposal was again placed in this 306th SEAC Meeting held on 25.08.2022.

Based on the presentation and documents furnished by the project proponent, SEAC noted that as the width of bottom most bench shown in the section - XIY1-GH is less than the safe width of 12m as recommended by the SEAC. Therefore, the removal of the aforesaid bench possessing the dimension of 19m x 9m x 5m shall be deducted from the proposed quantity of 1,93,349 Cu.m of rough stone results in the amended quantity of 1,92,494 Cu.m of rough stone.

Hence, SEAC decided to recommend the proposal for the grant of Environmental



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Clearance for the ultimate depth of mining upto **47m** and the quantity of **192494 Cu.m** of **Rough Stone** and for the **annual peak production of 48950 Cu.m of Rough Stone**, subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
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 Metalliferrous Mines Regulations, 1961.
3. Within one year of the commencement of mining operations, the PP shall carry out the scientific studies on controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
4. The Project Proponent (PP) shall submit an 'Action Plan' for carrying out the realignment of the benches in the existing quarry and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry is exceeding 40 m to the office of concerned AD (Mines) before obtaining CTO from TNPCB.
5. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 40 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR


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Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

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 EMP furnished.
7. As accepted by the Project proponent the CER cost is Rs. 3 lakhs and the amount shall be spent for the Govt School as committed, before obtaining CTO from TNPCB.

Agenda No: 306-08

(File No: 8238/2020)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.21.45 Ha at S.F.Nos. 310 & 311/2476/2(P) & 476/3(P) at Kaliyal Village, Vilanvancode Taluk, Kanniyakumari District, Tamil Nadu by Thiru.T.Paulraj - For Terms of Reference.

(SIA/TN/MIN/59793/2021 dated: 11.01.2021)

Earlier, this proposal was placed for appraisal in this 206th meeting of SEAC held on 08.03.2021. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

During the meeting EIA Consultant has stated that since the PP has expired, the proposal could not be proceeded further and requested for withdrawal of the proposal. SEAC, therefore, decided to remit the proposal back to SEIAA.

Agenda No: 306- 9

(File No:8716/2022)

Proposed Rough Stone, jelly & Gravel quarry over an extent of 1.82.53 Ha located at S.F.No. 27/5A1B Melathidiyur Village, Palyamkottai Taluk Tirunelveli District, Tamil Nadu by Thiru.S.Ramaiah @ Ananth for Environmental Clearance. (SIA/TN/ MIN/ 224039 /2021 dated:13.08.2021

The proposal was earlier, placed in 249th SEAC meeting held on 25.02.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent is given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.S.Ramaiah @ Ananth has applied for EC for the Proposed Rough Stone, jelly & Gravel quarry over an extent of 1.82.53 Ha located at S.F. No. 27/5A1B Melathidiyur Village, Palyamkottai Taluk Tirunelveli District, Tamil Nadu


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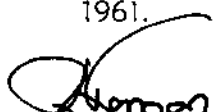
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication was issued for the period of 5 years. The approved mining plan was issued for the period of five years & as per approved mining plan, the production should not exceed Rough stone – 261750 m³, weathered rock – 13104 m³ & Gravel- 27636 m³. The annual peak production is 54250 Cu.m of Rough Stone (4th & 5th Year). The ultimate depth is 48 m from the existing ground profile.

Based on the presentation made by the proponent and the documents furnished, SEAC noted that Kalakad Mundanthuri Tiger reserve is located 8.5 Km from the project site, the PP is directed to obtain NBWL Clearance and submit the same to SEAC.

The proponent has furnished reply vide Ir. Dt: 29.06.2022 enclosing DFO Tirunelveli, Ir. Dt:13.06.2022. In this connection, the proposal was again placed in this 306th SEAC Meeting held on 25.08.2022.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance considering the safety aspect the ultimate depth of mining is restricted upto 43m for the revised total production quantity of 258600 Cu.m of Rough Stone, 13104 Cu.m of Weathered Rock, & 27636 Cu.m of Gravel with maintaining the **annual peak production of 54250 Cu.m of Rough Stone**, subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
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 Metalliferrous Mines Regulations, 1961.


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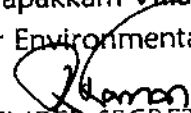

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3. Within two years of the commencement of mining operations, the PP shall carry out the scientific studies on controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as NIRM, IIT Madras, IIT (ISM), Anna University Chennai-Dept of Mining Engg, NITK Surathkal, and any other CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance within two years of the commencement of quarrying operation.
4. The Project Proponent (PP) shall submit an 'Action Plan' for carrying out the realignment of the benches in the existing quarry and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry is exceeding 40 m vetted by the concerned AD (Mines) to the concerned DEE/TNPCB before obtaining CTO.
5. The PP shall carry out the scientific studies to assess the slope stability of the working benches and quarry wall when the depth of the quarry touches 40 m (or) during the 4th year of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT Madras, IIT (ISM), 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, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
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 EMP furnished.
7. As accepted by the Project proponent the CER cost is Rs. **5 lakhs** and the amount shall be spent for the Pookuzhi Govt. Primary School as committed, before obtaining CTO from TNPCB.

Agenda No: 306-10

(File No: 7986/2020)

Proposed Brick Earth quarry lease over an extent of 0.52.50 Ha at S.F.No. 801A/ID of Villapakkam Village, Arcot Taluk, Ranipet District, Tamil Nadu by Thiru. C. Srinivasan- For Environmental Clearance. (SIA/TN/MIN/ 180393/2020 Dt.02.11.2020)


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Earlier, this proposal was placed in 252nd SEAC meeting held on 10.03.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

Based on the presentation by the PP, the Committee therefore directed the proponent to submit the following additional details for further processing the proposal.

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

Based on the reply received from the PP, it was again been placed in 306th SEAC meeting held on 25.8.2022.

The SEAC noted the following


Sl. No.	Details of the proposal	
1.	Name of the Owner / Firm	Thiru. C.Srinivasan S/o. Mr. Chandran, No.147, Mariyappan Koil Street, Echangadu Village, Ladavaram-Post, Arcot Taluk, Vellore-632503
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Brick Earth quarry

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3.	S.F No. of the quarry site with area break-up	S. F. No. 801A/1D
4.	Village in which situated	Villapakkam Village
5.	Taluk in which situated	Arcot Taluk
6.	District in which situated	Ranipet District
7.	Extent of Quarry (in ha.)	0.52.50 Ha
8.	Period of Quarrying proposed	One years
9.	Type of Mining	Opencast Mechanized Mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 1 year & mining plan is for 1 year. 3300m³ of Brick Earth with ultimate depth of mining 1m below ground level
11.	Latitude & Longitude of all corners of the quarry site	12° 51' 14.09"N to 12° 51' 16.96"N 79° 17' 05.36"E to 79° 17' 07.62"E
12.	Topo sheet No.	57 - P/5
13.	Man power requirement per day:	6 Employees
14.	Precise Area Communication approved by the District Collector	Rc.No.389/2016(Mines) dated:7.1.2020
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No.389/2016(Mines) dated:5.5.2020
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No.389/2016(Mines) dated:14.5.2020
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	3.1KLD 0.1KLD 1.5KLD 1.5KLD Source : From near by water tanks and drinking water will be sourced from Approved water vendors.
18.	Power requirement: a. Domestic purpose b. Machinery works	550Liters of HSD will be utilized for entire project life.
19.	Depth of Mining	1m below ground level
20.	Depth of Water table	40m - 35 m
21.	Whether any habitation within 300m distance	No
22.	Project cost	Rs. 7,47,000/-
23.	EMP cost	Rs. 12,000/-
24.	CER cost	RS.5 lakhs
25.	VAQ letter dated	05.06.2020



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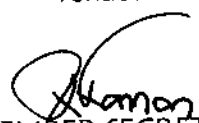
Based on the presentation and documents furnished, SEAC decided to recommend the proposal for the grant of Environmental Clearance for **3300m³ of Brick Earth with maintaining the ultimate depth of quarrying to 1 m BGL only** for the period of 1 year, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
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. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, 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.


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6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
12. The proponent shall undertake the phased restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete


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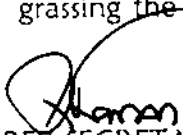

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this work before the conclusion/abandonment of such operations as assured in the Environmental Management Plan & the approved Mine Closure Plan.

13. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
14. 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.
15. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
16. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
17. 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.
18. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
19. 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.
20. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and

the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.

21. 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.
22. 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.
23. 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.
24. 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.
25. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
26. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
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


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

28. 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.

29. As accepted by the Project Proponent the CER cost is **Rs. 2 lakhs** and the amount shall be spent for the committed activities as committed before obtaining CTO from TNPCB.

Agenda No: 306-11

(File No: 8237/2021)


Proposed Red Earth quarry Lease over an extent of 1.70.0 Ha at S.F.No. 264/2, 264/3A, 264/3B, 264/5, 264/6, 264/7, 265/11, 265/12A1 & 265/12B in Senkadu Village, Viluppuram Taluk, Viluppuram District, Tamil Nadu by. Thiru.M.Kubaran – For Environmental Clearance. (SIA/TN/MIN/191974/2021 dated.08.01.2021)

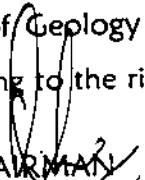
Earlier, this proposal was placed in 252nd SEAC meeting held on 10.03.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

Based on the presentation by the PP, the Committee therefore directed the proponent to submit the following additional details for further processing the proposal.

1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment.
2. The proponent should produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers,


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streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.

Based on the reply received from the PP, it was again been placed in 306th SEAC meeting held on 25.8.2022.

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	: Thiru.M.Kuberan, S/o. Mahadevan, No.424/113, Mariyamman Koil Street, V.M.Melpathy, Vikiravandi Taluk, Viluppuram District, Tamil Nadu – 605103.
2	Type of quarrying (Savudu/Rough Stone/Sand/Earth/Granite)	: Red Earth quarry
3	S.F No. Of the quarry site	: 264/2, 264/3A, 264/3B, 264/5, 264/6, 264/7, 265/11, 265/12A1 & 265/12B
4	Village in which situated	: Senkadu
5	Taluk in which situated	: Viluppuram
6	District in which situated	: Viluppuram
7	Extent of quarry (in ha.)	: 1.70.0 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)	: 23,719m ³ of red earth
11	Latitude & Longitude of all corners of the quarry site	: 11°57'20.86"N to 11°57'27.98"N 79°34'16.71"E to 79°34'21.98"E
12	Topo Sheet No.	: 58 M/09
13	Man Power requirement per day:	: 10 Employees
14	Precise area communication approved by the District Collector, Viluppuram with date	: Rc.No.B/G&M/169/2020, Dated: 19.06.2020

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15	Mining Plan approved by the Deputy Director, Department of G&M with date	: Rc.No.B/G&M/169/2020, Dated: 08.07.2020
16	500m cluster letter approved by the Deputy Director, Department of G&M with date	: Rc.No.B/G&M/169/2020, Dated: 06.01.2021
17	Water requirement: 1. Drinking & domestic purposes 2. Dust suppression 3. Green Belt	: 4.42 KLD 0.36 KLD 1.56 KLD 2.5 KLD
18	Power requirement	: 3950 liters of HSD for entire project life
18	Depth of quarrying	: 2m below ground level
19	Depth of water table	: 14m-09m
20	Whether any habitation within 300m distance	: No
21	Project Cost (excluding EMP cost)	: Rs.23.64 Lakhs
22	EMP cost	: Rs.1.40 Lakhs
22	CER cost	: Rs.2 Lakhs
23	VAO certificate regarding 300m radius cluster	: Dated.13.07.2020

- 2) The project proponent has submitted a sieve analysis and shear strength properties of the soil report obtained from Department of Civil Engineering, Government College of Engineering, Dharmapuri vide Lr.No. GCE/DPI/CIVIL/SOIL/2022/C-078

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 **23,719 Cu.m** of Earth with maintaining an ultimate depth of mining is **2m Below Ground Level** only, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time.

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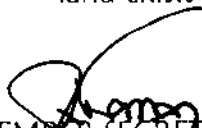
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subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.

2. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
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. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, 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. 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.
7. 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.
8. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable

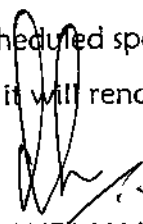
- working methodology to be adopted by considering the wind direction.
9. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should 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.
 10. 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.
 11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
 12. The proponent shall undertake the phased restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion/abandonment of such operations as assured in the Environmental Management Plan & the approved Mine Closure Plan.
 13. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
 14. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.


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15. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
16. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
17. 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.
18. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
19. 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.
20. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
21. 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.
22. 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


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Project Proponent liable for legal action in accordance with Environment and Mining Laws.

23. 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.
24. 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.
25. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
26. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
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. 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.
29. As accepted by the Project Proponent the CER cost is **Rs. 2 lakhs** and the amount shall be spent for the committed activities as committed before obtaining CTO from TNPCCB.


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Agenda No:306-12

(File No: 8291/2021)

Proposed Earth quarry lease over an extent of 2.49.5 Ha at S.F.Nos: 1415/1,1415/3,1415/7,1415/9, 1416/11, 1416/15, 1416/12, 1416,22, 1416/17 of R.Kombai Village, Veda sandur Taluk, Dindigul District, Tamil Nadu by Tvl.Asokans The Bricks Industrial Corporation- For Environmental Clearance. (SIA/TN/MIN/ 138873/2020 Dt. 03.08.2021)

Earlier, the proposal was placed in 252nd SEAC meeting held on 10.03.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

Based on the documents furnished, SEAC therefore directed the proponent to submit the following additional details for further processing the proposal.

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

On the receipt of the reply, it was again been placed in 306th SEAC meeting held on 25.8.2022.

The Project proponent has not turned up for the meeting (Absent) due to personal reasons and the consultant requested for deferring the proposal. The Committee, therefore, decided to defer the proposal.


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Agenda No: 306-13

(File No: 8966/2021)

Proposed Rough stone & gravel quarry lease over an extent of 2.40.0 Ha at S.F. Nos. 324/1A, 324/1B1, 324/1B2, 324/2A, 324/2B, 324/2C1, 324/2C2, 324/3, 324/8A, 324/9A and 324/9B2 of Sirudhamur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Thiru.M.Ganesan - For Terms of Reference. (SIA/TN/MIN/71654/2022 Dt.29.01.2022)

Earlier, this proposal was placed in 252nd SEAC meeting held on 10.03.2022. 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.Ganesan has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 2.40.0 Ha at S.F. Nos. 324/1A, 324/1B1, 324/1B2, 324/2A, 324/2B, 324/2C1, 324/2C2, 324/3, 324/8A, 324/9A and 324/9B2 of Sirudhamur Village, Uthiramerur Taluk, Kanchipuram 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. The Production for the five years states that total quantity should not exceed 1,59,350 m³ of rough stone & 33,312 m³ of gravel with a ultimate depth of mining is 42m below ground level.

Based on the presentation made by the proponent and the documents furnished, SEAC noted that Karikili Birds Sanctuary is located at a distance of 13.5km south. Hence SEAC decided that the project proponent shall obtain NBWL clearance.

Further, the PP had given a representation to consider the proposal to issue TOR based on the OM issued Dated: 17.05.2022.

The proposal was again placed in this 306th SEAC Meeting held on 25.08.2022. Based on the presentation made by the proponent, SEAC decided to recommend grant of Terms of Reference (TOR) with Public Hearing subject to the following additional TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:


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1. The proponent shall obtain NBWL Clearance since the Karikili Birds Sanctuary located at a distance of 8.5km from the proposed quarry site while submitting EIA study along with the minutes of public hearing conducted.
2. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.
3. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
4. The PP shall furnish the affidavit 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 present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
6. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
7. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.

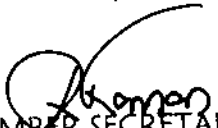

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- f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
8. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
9. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
10. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
11. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
12. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
13. The Project Proponent shall conduct the 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) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells 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.

14. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
15. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
16. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
17. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
18. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
19. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
20. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.


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21. Impact on local transport infrastructure due to the Project should be indicated.
22. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
23. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
24. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
25. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
26. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
27. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
28. 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-I** 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.
29. Taller/one year old Saplings raised in appropriate size of bags; preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The


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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

30. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
31. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
32. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
33. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
34. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
35. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
36. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
37. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.

38. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.

39. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

Agenda No: 306- 14.

(File No: 8968/2022)

Proposed Rough stone & gravel quarry lease over an extent of 1.98.0 Ha at S.F.Nos. 320/1A, 320/1B & 320/2 of Sirudhamur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Thiru. M.Ganesan - For Terms of Reference. (SIA/TN/MIN/71526/2022 Dt. 28.01.2022)

The proposal was earlier, placed in 252nd SEAC meeting held on 10.03.2022. 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.Ganesan has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 1.98.0 Ha at S.F.Nos. 320/1A, 320/1B & 320/2 of Sirudhamur Village, Uthiramerur Taluk, Kanchipuram 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. The precise area communication was issued for the period of 10 years. The approved mining plan was issued for the period of 10 years & as per approved mining plan, the production should not exceed Rough stone – 164,165 m³. & Gravel- 22338 m³. The annual peak production is 23000 Cu.m of Rough Stone (3rd Year) & 8750 Cu.m of Gravel (1st Year). The ultimate depth is 37 m BGL.

The SEAC noted that Auto-TOR was generated for this project through online in Parivesh website dated 15.02.22, hence the project is appraised as table agenda.

Based on the presentation made by the proponent and the documents furnished, SEAC noted that Karikili Birds Sanctuary is located at a distance of 13.5km. Hence SEAC decided that the project proponent shall obtain NBWL clearance.


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On receipt of the above details, the SEAC would take for the further course of action on the proposal.

The auto ToR was granted vide letter Dt:15.02.2022 under the provisions of the EIA Notification 2006 as amended, the Standard TOR for the purpose of preparing environment impact assessment report and environment management plan with public consultation for obtaining prior environment clearance is prescribed.

The proposal was again placed in this 306th SEAC Meeting held on 25.08.2022. Based on the presentation made by the proponent, SEAC decided to recommend grant of Terms of Reference (TOR) with Public Hearing subject to the following **additional TORs**, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The proponent shall obtain NBWL Clearance for the Karikili Birds Sanctuary located at a distance of 8.5km from the proposed mining area while submitting EIA study along with minutes of public hearing conducted.
2. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.
3. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
4. The PP shall furnish the affidavit 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 present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.

6. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
7. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
8. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
9. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
10. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
11. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for


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the same.

12. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act 1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
13. The Project Proponent shall conduct the 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) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells 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.
14. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
15. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
16. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
17. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

18. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
19. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
20. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
21. Impact on local transport infrastructure due to the Project should be indicated.
22. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
23. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
24. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
25. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
26. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
27. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.


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28. 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-I** 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.
29. Taller/one year old Saplings raised in appropriate size of bags; preferably eco-friendly bags should be planted 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
30. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
31. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
32. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
33. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
34. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

35. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
36. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
37. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
38. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
39. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

Agenda No: 306-15

(File No: 8978/2022)


Proposed Rough stone & gravel quarry lease over an extent of 2.13.0 Ha at S.F.Nos. 323/1B, 323/2B, 323/2C, 323/3, 323/4, 323/5B and 323/5C of Sirudhamur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Thiru. M.Ganesan - For Terms of Reference. (SIA/TN/MIN/71533/2022 Dt. 28.01.2021)

The proposal was placed in 306th SEAC meeting held on 25.08.2022. 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.Ganesan has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 2.13.0 Ha at S.F.Nos. 323/1B, 323/2B, 323/2C, 323/3, 323/4, 323/5B and 323/5C of Sirudhamur Village, Uthiramerur Taluk, Kanchipuram 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.


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Earlier this proposal was placed in 252nd SEAC meeting held on 10.02.2022. SEAC noted that Karikili Birds Sanctuary is located at a distance of 13.5km. Hence SEAC decided that the project proponent shall obtain NBWL clearance.

Further, the PP had given a representation to consider the proposal to issue TOR based on the OM issued Dated: 17.05.2022.

The proposal was placed in 306th SEAC meeting held on 25.08.2022. Based on the presentation made by the proponent SEAC noted that as per OM FC-11/119/2020-FC Dated: 17.05.2022 "the project proponent may submit the application simultaneously for grant of Terms of Reference under EIA Notification as well as for FC and consideration by the NBWL/SCNBWL".

Hence, based on the above OM dated:17.05.2022 SEAC decided to grant Terms of Reference (TOR) with Public Hearing, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The proponent shall obtain NBWL Clearance for the proposed quarry as the Karikili Birds Sanctuary located at a distance of 8.5km from the quarry site while submitting EIA study along with minutes of public hearing conducted.
2. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.
3. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
4. The PP shall furnish the affidavit 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.


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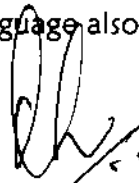
5. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
6. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
7. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
8. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
9. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
10. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.

11. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
12. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act 1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
13. The Project Proponent shall conduct the 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) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells 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.
14. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
15. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
16. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
17. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies,

human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

18. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
19. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
20. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
21. Impact on local transport infrastructure due to the Project should be indicated.
22. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
23. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
24. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
25. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
26. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.


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27. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
28. 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-I** 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.
29. Taller/one year old Saplings raised in appropriate size of bags; preferably eco-friendly bags should be planted 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
30. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
31. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
32. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
33. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.

34. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
35. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
36. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
37. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
38. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
39. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

Agenda No: 306-16


(File No: 8726/2021)

Proposed Expansion of Existing Warehouse at S.F.No: 406/1, 407/1, 407/2, 408/3, 409/2A & 410/1 of Appanaickenpatty Village, Suler Taluk, Coimbatore District, Tamil Nadu by M/s. Indospace Skill Coimbatore Private Limited - For Environmental Clearance. (SIA/TN/MIS/224497/2021 Dt. 16.08.2021)

The proposal was placed in 306th SEAC meeting held on 25.08.2022. 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, M/s. Indospace Skill Coimbatore Private Limited has applied for Environmental Clearance for the proposed Expansion of Existing Warehouse at S.F.No: 406/1, 407/1, 407/2, 408/3, 409/2A & 410/1 of


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Appanaickenpatty Village, Sulur Taluk, Coimbatore 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.

Earlier this proposal was placed in 254th SEAC meeting held on 17.03.2022. SEAC noted that the project proponent has not complied with earlier EC conditions such as green belt, solar energy etc., and indicating lack of sincerity in EC conditions.

- (i) The project proponent has not even started green belt (not even planted one tree) and not complied with green belt condition.

- (ii) The project proponent has not installed solar energy in the project site.

Hence SEAC decided that the proponent shall comply with the EC conditions and obtain EC compliance certificate again from the Regional Office of MoEF&CC and submit the same to SEIAA/SEAC before the proposal can be taken up for appraisal.

Based on the reply furnished by PP, the above proposal was placed in 306th SEAC meeting held on 25.08.2022.

Sl No	Description	Existing	Proposed	After Expansion
1.	Name of the Project proponent and address	IHAAN Industrial Logistics Park Private Limited	M/s. Indospace Skill Coimbatore Private Limited	M/s. Indospace Skill Coimbatore Private Limited
2.	Proposed Activity		Proposed Expansion of Existing Warehouse "Indospace Industrial Park"	
3.	Category and Schedule No. as per EIA Notification	8(a)	8(a)	8(a)
4.	Project Location	S.Nos. 406/1, 407/1, 407/2, 408/3, 409/2A & 410/1	S.Nos. 406/1, 407/1, 407/2, 408/3, 409/2A & 410/1	S.Nos. 406/1, 407/1, 407/2, 408/3, 409/2A & 410/1
	i) Survey Nos			
	ii) Revenue Village	Appanaickenpatty	Appanaickenpatty	Appanaickenpatty
	iii) Taluk	Sulur	Sulur	Sulur
	iv) District	Coimbatore	Coimbatore	Coimbatore
5.	Total area of Extent	95,424.87 sq.m (In EC, 81911.19sq.m. is mentioned without OSR and Highway setback)	95,424.87 sq.m	95,424.87 sq.m

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6.	Built up Area	54040.15Sq.m	[54040.15Sq.m + 5000 sq.m (Expansion)] – Total - 59040.15Sq.m	59040.15Sq.m
7.	Brief description of the project	Proposed Construction of Warehouse "Indospace Industrial Park"	Proposed Expansion of Existing Warehouse "Indospace Industrial Park"	
10)	Parking facilities Four-Wheeler Parking Two-Wheeler Parking Truck Parking	10 Nos - 96 Nos	12 Nos 72 Nos. -	22 Nos. 72 Nos. 95 Nos.
11)	Green Belt	13,995.00 Sq.m	13,995.00 Sq.m	13,995.00 Sq.m
	Water Supply Total Fresh Water Requirement	41 KLD	25 KLD	66 KLD
12)	a)Source of the Water Supply (during operation)	Out sourced	Ground Water [In – House Bore Wells]	Ground Water [In – House Bore Wells]
	i)Domestic	20 KLD	46 KLD	66 KLD
	ii) Toilet Flushing (Recycled Water)	21 KLD	91 KLD	112 KLD
	iv) Green Belt Development (Recycled Water)	35 KLD	19 KLD	54 KLD
	Sewage Treatment			
	i)Quantity of waste water generation	Sewage generation - 35 KLD	Sewage generation - 133 KLD	Sewage generation - 168 KLD
	ii)Treatment system for waste water generation	STP - 40 KLD	STP - 130 KLD	STP - 170 KLD
13)	iii)Mode of Disposal of treated waste water	Green belt development - 35 KLD	Toilet Flushing- 112 KLD Green belt development - 19 KLD	Toilet Flushing- 112 KLD Green belt development - 54 KLD


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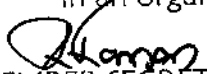
14)	Solid Waste generation, treatment and management in kg/day			
	<ul style="list-style-type: none"> ➤ Municipal Solid waste • Bio-Degradable • Non – Biodegradable ➤ STP sludge ➤ Hazardous Waste 	379 kg/day 227 kg/day (OWC) 152 kg/day (Authorized Recyclers) 4 kg/day (Manure for Gardening) 1.5 TPA (Disposed to TNPCB authorized re-processors)	413 kg/day 90 kg/day (OWC) 323 kg/day (Authorized Recyclers) 16 kg/day (Manure for Gardening) 0.6 TPA (Disposed to TNPCB authorized re-processors)	792 kg/day 317 kg/day (OWC) 475 kg/day (Authorized Recyclers) 20 kg/day (Manure for Gardening) 2.1 TPA (Disposed to TNPCB authorized re-processors)
15)	Power Requirement & Source	918 KVA & TANGEDCO	1082 KVA & TANGEDCO	2 MVA & TANGEDCO
	i) D.G. Sets	62.5 KVA & 10 X 125 KVA	3 X 500 KVA	62.5 KVA, 10 X 125 KVA & 3 X 500 KVA
	ii) Height of Stack	2m & 15.5m	20m	2m, 15.5m & 20m
16)	Project Cost	Rs. 97.66 Crores	Rs. 10.79 Crores	Rs. 108.45 Crores

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

1. The proponent must adhere to the previous EC issued condition and shall achieve 5% Green Belt development in addition to the existing green belt cover before obtaining CTO from TNPCB.
2. The proponent is requested to carry out a routine and periodic maintenance of the existing STP in the Warehouse.
3. The proponent shall create a creche facility for the children of the women working in the warehouse.
4. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body /TWAD before obtaining CTO.
5. The project proponent shall provide STP of capacity 170 KLD (40 KLD-

existing+ 130 KLD proposed) and treated water shall be utilized for flushing, green belt and avenue plantation after obtaining necessary permission from competent Authority.

6. The PP shall analyse the treated wastewater samples periodically through TNPCB.
7. The treated/untreated sewage water shall not be let-out from the unit premises without obtain necessary permission from competent authority.
8. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor within the project site as committed and non- bio-degradable waste to should be sent to authorized recyclers as committed.
9. The height of the stacks of DG sets shall be provided as per the CPCB norms.
10. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc, to TNPCB before obtaining CTO.
11. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
12. The sludge generated from the sewage treatment plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
13. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the **Appendix**, in consultation with the State Forest and Horticulture Departments. 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.
14. Taller/one year old saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.


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15. The proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
16. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
17. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
18. No waste of any type to be disposed of in any other way other than as per the concerned regulations in force.
19. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in air, noise, solid waste disposal, sewage treatment & disposal etc., shall be followed strictly.
20. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
21. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring of the health of construction workers during COVID and post-COVID period.
22. The project proponent shall measure the criteria air pollutants data (including CO) due to vehicular traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
23. Generation of the solar/renewable energy should not be less than 25% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
24. The grant of this E.C. is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.


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25.As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.

26.The Project Proponent stated that Rs. 25 lakhs shall be spent as CER for Tribal Schools as committed.

Agenda No: 306-17

(File No: 7775/2022)

Proposed Rough stone quarry Lease over an extent of 1.00.0 Ha at S.F.No. ¼ (Part-33) in Anandalai Village, Walajah Taluk, Vellore District, Tamil Nadu by. Thiru.M.P. Karthikeyan – For Environmental Clearance.(SIA/TN/MIN/55848/2020 dated.07.02.2022)

Earlier, this proposal was placed for appraisal in this 264 th meeting of SEAC held on 19.4.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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 indicating the exact distance of the Bahavalli RF located from the project site.

On the receipt of the reply, this proposal was placed in 306th SEAC meeting held on 25.08.2022. 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 "B1" 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	: Thiru.M.P.Karthikeyan, S/o. Poongavanam, No.2/135 B, Ramar Koil Street, Manthangal, Ranipet, Vellore District, Tamil Nadu – 632 404.


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2	Type of quarrying (Savudu/Rough Stone/Sand/Earth/Granite)	: Rough stone quarry
3	S.F No. Of the quarry site	: ¼ (Part-33)
4	Village in which situated	: Anandalai
5	Taluk in which situated	: Walajah
6	District in which situated	: Vellore
7	Extent of quarry (in ha.)	: 1.00.0 Ha (Govt.Poramboke land)
8	Period of quarrying proposed	: 5 years
9	Type of mining	Opencast mechanized mining
10	Production (Quantity in m ³)	: 5,21,160m ³ of rough stone & the annual peak production as per mining plan is 1,20,000 cu.m of rough stone (4th year).
11	Latitude & Longitude of all corners of the quarry site	: 12°56'19.48"N to 12°56'23.69"N 79°23'44.00"E to 79°23'48.30"E
12	Topo Sheet No.	: 57 P/05
13	Man Power requirement per day:	31 Employees
14	Precise area communication approved by the District Collector, Vellore with date	: Rc.No.329/2019/Kanimam, Dated: 26.11.2019
15	Mining Plan approved by the Asst. Director (i/c), Department of G&M with date	: Rc.No.329/2019 (Mines), Dated: 21.02.2020
16	500m cluster letter approved by the Asst. Director (i/c), Department of G&M with date	: Rc.No.329/2019 (Mines), Dated: 16.06.2020
17	Water requirement: 4. Drinking & domestic purposes 5. Dust suppression 6. Green Belt	: 4.40 KLD 0.98 KLD 2.70 KLD 0.72 KLD
18	Power requirement	: 418598 liters of HSD for entire project life
18	Depth of quarrying	: 76m (59m AGL + 17m BGL)
19	Depth of water table	: 69m-64m
20	Whether any habitation within 300m distance	: No
21	Project Cost (excluding EMP cost)	: Rs.194.43 Lakhs
22	EMP cost	: Rs.34.492 Lakhs
22	CER cost	: Rs.5 Lakhs
23	VAO certificate regarding 300m radius cluster	: Dated.17.06.2020
24	ToR details	: ToR issued vide Lr.No.SEIAA-TN/F.No.7775/SEAC ToR-819/2020 dated: 11.11.2020


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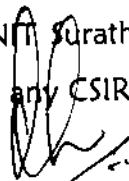
25	Public Hearing conducted on	:	21.10.2021
26	EIA submitted on	:	11.02.2022

Based on the presentation made by the proponent and considering safety point of view, SEAC decided to **recommend the proposal for the grant of Environmental Clearance** for the total production volume of **5,21,160 cu.m of Rough Stone by maintaining a ultimate depth of 76m (59m AGL + 17m BGL)** for a period of five years and the annual peak production of **1,20,000 cu.m of rough stone** subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior **Environmental Clearance** granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. 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 inform the notice of opening of the quarry to the Director of Mines Safety/Chennai Region before obtaining the CTO.
4. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
5. The PP shall furnish slope stability action plan to the concerned AD (Mines) for the systematic working by maintaining proper benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
6. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touched 40 m below ground level (or) during the 4th year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT Surathkal – Dept of Mining Engg, Anna University Chennai-CEG Campus, and any CSIR


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Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

7. As the habitations are located nearby, the PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
8. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
9. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
10. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
11. 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.
12. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent on the committed activities for Panchayat Union Primary School before obtaining CTO from TNPCB.

Agenda No: 306-18

(File No: 7786/2020)

Proposed gravel quarry lease area over an extent of 3.24.0 Ha at SF.No. 391 (p) Sengarai Village, Uthukottai Taluk, Tiruvallur District Tamil Nadu by Thiru K.Muthu- For Environmental Clearance. (SIA/TN/MIN/170517/2020 Dt.22.3.2021)


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The proposal was placed for appraisal in this 306th meeting of SEAC held on 25.08.2022. 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 K.Muthu has applied for Environmental Clearance for the proposed gravel quarry lease area over an extent of 3.24.0 Ha at SF.No. 391 (p) Sengarai Village, Uthukottai Taluk, Tiruvallur District, Tamil Nadu. It is a PWD tank.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 55 days. The production for 55 days not to exceed 29160m³ of gravel with ultimate depth – 0.9m.

Earlier, this proposal was placed in 221st meeting of SEAC held on 23.07.2021. Based on the presentation and documents furnished by the project proponent, SEAC noted that, the project proponent obtained the Executive Engineer, PWD letter No.B/JDO.1/F.203/Savudu/2018 dated 20.12.2018. Since the letter was obtained more than 2.5 years back. The committee advised the project proponent to obtain a fresh letter whether the same resources are available. Also, SEAC would make an on-spot site inspection to assess the present status of the site by the sub-committee constituted by the SEAC. Based on the inspection report and revised EE, PWD letter, SEAC would further deliberate on this project and decide the further course of action.

Since, the project proponent has furnished NOC from PWD vide Lr. dt: 26.10.2021. Accordingly, the sub-committee constituted by the SEAC has visited and submitted its inspection report on 28.03.2022.

Observations of the Sub-Committee:

1. The project site is a PWD tank and the location indicated for quarrying contain silt only. No gravel is seen. It does not appear to be having gravel up to 1 cm depth. The site is almost in the midst of the tank.
2. The Project Proponent, however, has obtained fresh letter from PWD with regard to availability of resources.


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3. The fact of proximity of Palavakkam Reserve Forest within 1km has not been informed while applying for EC. It is a willful omission.

The sub-committee concluded that In view of the above, it is not a fit case to be recommended for EC.

The proposal was placed again for appraisal in this 264th meeting of SEAC held on 19.4.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details from the project proponent.

1. The PP shall furnish the mineral composition analysed by any laboratory approved by the Department of Geology & Mining.
2. The PP shall furnish a letter from DFO indicating the details of nearest RF and its distance with respect to the project site.


Now, the project proponent has furnished the soil analysis report vide Lr. dt: 27.06.2022 and DFO letter dt: 03.08.2022 received on 05.08.2022. Hence, the proposal was placed for reappraisal in this 306th SEAC meeting held on 25.08.2022. Based on the presentation made by the proponent, the SEAC decided to **recommend the proposal for grant of Environmental Clearance since it is a de-silting project to be carried out in PWD tank** subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

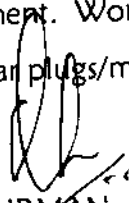
1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The proponent shall mandatorily appoint the statutory competent persons accordingly for the proposed quarry size to satisfy 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.


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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. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs.

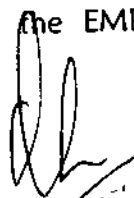

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- (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
12. The operation of the quarry should not affect the agricultural activities & water bodies near the project site 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.
13. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
14. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
15. 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.
16. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
17. 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.
18. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.

19. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
20. 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.
21. 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.
22. 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.
23. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under.
24. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
25. 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.
26. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.


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29. As accepted by the Project Proponent the CER cost is Rs. 50,000 and the amount shall be spent for the committed activities for Government Higher Secondary School, Palavakkam village before obtaining CTO from TNPCB.

Agenda No: 306-19

(File No: 7791/2021)

Proposed Rough stone quarry lease area over an extent of 1.00.0Ha SF.No.130/1 Pt Block -2, Pudunaduvalur Village, Perambalur Taluk, Perambalur District, Tamil Nadu by Thiru A.Kaliyaperumal - For Environmental Clearance. (SIA/TN/MIN/170772/2020 Dt.01.09.2020)

The proposal was earlier, placed for appraisal in the 264th meeting of SEAC held on 19.4.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

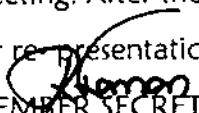
The SEAC noted the following:

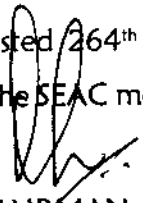
1. The project proponent, Thiru A.Kaliyaperumal has applied for Environmental Clearance for the proposed Rough stone quarry lease area over an extent of 1.00.0Ha SF.No.130/1 Pt Block -2, Pudunaduvalur Village, Perambalur Taluk, Perambalur District, Tamil Nadu. It is a Govt. poromboke land.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 10 years. The production for 5 years not to exceed 221000m³ of Rough stone. The Annual peak production as per mining plan is 54000 m³ of rough stone (1st year) with ultimate depth – 60m (25m AGL+ 35m BGL).

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 indicating the exact distance of the Velur RF located from the project site.

The proposal was placed in this 306th SEAC meeting held on 25.08.2022. The project proponent was absent for the meeting. The project proponent is directed to furnish the reasons for not attending the meeting along with the details requested 264th SEAC meeting. After the receipt of the reply, the proposal may be placed in the SEAC meeting for representation.


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Agenda No: 306-20

(File No: 7998/ 2020)

Proposed Rough stone and gravel quarry over an extent of 2.58.2 Ha in S.F.No. 30/2B3(P) at Paladurai Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Tmt. V. Thulasiammal- For Environmental Clearance. (SIA/TN/MIN/ 57894/ 2020 dated: 19.01.2022)

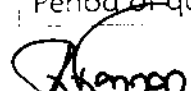
The SEAC noted the following:

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 Lt.No.SEIAA-TN/F.No.7998/SEAC/ToR-897/2020 dated 16.03.2021.
3. Public hearing was conducted on 25.11.21.
4. Earlier this proposal was placed in 265th SEAC meeting held on 21.04.2022 and SEAC noted that there are agriculture fields and dwelling houses all around the proposed site and therefore decided that the project proponent shall furnish
 - (1) A report on impact of mining activity on agriculture in detail and
 - (2) socio-economic impact survey report.

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

The salient features of the project:

Sl. No	Details of the proposal	
1	Name of the Owner/Firm	: V.Thulasiammal No.2/170, Paladurai, Murugan Kovil Street, Madukkarai Coimbatore District - 641105
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone & Gravel
3	S.F No. Of the quarry site with area break-up	: 30/2B3(P)
4	Village in which situated	: Paladurai
5	Taluk in which situated	: Madukkarai
6	District in which situated	: Coimbatore
7	Extent of quarry (in ha.)	: 2.58.2Ha
8	Period of quarrying proposed	: 5 years


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9	Type of mining	Opencast Mechanized Method of Mining
10	Production (Quantity in m ³)	: As per mining plan the lease period is for 5 years. The production for the five years states that the total quantity of recoverable should not exceed 2,28,940 cu.m of Rough stone, 41,072 cu.m of Gravel with an ultimate depth of mining is 19m (2m Gravel + 2m Weathered Rough Stone + 15m Rough Stone) below ground level. The Annual peak production as per mining plan is 48730 cu.m of rough stone
11	Latitude & Longitude of all corners of the quarry site	: 10°52'20.19"N to 10°52'26.03"N 76°56'30.87"E to 76°56'36.31"E
12	Top Sheet No.	: 58 B/13
13	Man Power requirement per day:	32 Nos.
14	Precise area communication approved by the District Collector with date	: Na.Ka.No.126/Kanimam/2020, dated:03.09.2020
15	Mining Plan approved by the Asst Director of Geology and Mining with date	: Rc. No.126/ Mines/2020, dated:24.09.2020
16	Water requirement: 7. Drinking & domestic purposes (in KLD) 8. Dust suppression & Green Belt (in KLD)	: 3.0 KLD 1.0KLD 1.0 KLD 1.0 KLD
17	Power requirement: a. Domestic Purpose b. Industrial Purpose	TNEB 500 Liters of HSD per day
18	Depth of quarrying	: 19m (2m Gravel + 2m Weathered rock + 15m Rough stone)
19	Depth of water table	: 65-60m below ground level
20	Project Cost (excluding EMP cost)	: Rs. 60,43,000
21	EMP cost	: Capital Cost – Rs. 16,93,500 Recurring Cost-Rs. 7,26,000
22	CER cost	Rs. 5,00,000
23	AD mines 500m cluster letter	: Rc. No.126/ Mines/2020, dated: 01.10.2020


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24	VAO certificate regarding 300m radius cluster	Letter dated: 18.09.2020
25	ToR Issued	Lr No.SEIAA-TN/F.No.7998/SEAC/ToR-897/2020 Dated: 16.03.2021
26	Public Hearing	25.11.2021
27	EIA File Received on	25.01.2022

Based on the reply furnished by the PP the above proposal was placed on 306th SEAC meeting held on 25.08.2022. 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 2,28,940m³ of Rough stone and 41,072m³ of Gravel for a period of 5 years with an annual peak production of 48,730m³ of Rough stone and 16,592 m³ of Gravel**, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety/Chennai Region before obtaining the CTO.
3. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
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. As the habitations are located nearby, the PP shall obtain necessary 'Prior Permission' to carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) and NONEL shock tube initiation system with muffling techniques before obtaining the CTO from the TNPCB.


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6. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
7. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
8. 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.
9. 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 Middle School – Paladurai, Madukkarai Union, Coimbatore before obtaining CTO from TNPCB.

Agenda No: 306-21

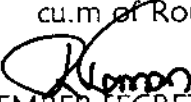
(File No: 8801/2021)

Proposed Rough stone quarry over an extent of 2.30.0 Ha in S.F.No. 270 (part -I) at Venkatesapuram Village of Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru V. Sekar - For Terms of Reference. (SIA/TN/MIN/67732/2021 dated: 21.09.2021)

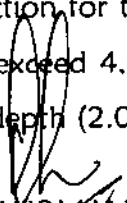
The proposal was placed in 306th SEAC meeting held on 25.08.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru V. Sekar has applied for Terms of Reference for the proposed Rough stone quarry over an extent of 2.30.0 Ha at S.F.No. 270 (part -I), Venkatesapuram Village, Shoolagiri Taluk, Krishnagiri 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 lease period is for 10 years. The production for the five years states that the total quantity of recoverable should not exceed 4,97,506 cu.m of Rough stone with an ultimate depth of mining is 51m depth (2.0m Top


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soil + 49.0 m Rough Stone). The Annual peak production as per mining plan is 1,24,054 cu.m of rough stone.

Earlier, this proposal was placed in 265th SEAC meeting held on 21.04.2022. Based on the presentation made by the proponent and the documents furnished, SEAC decided that the project proponent shall furnish documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest Athimugam R.F from the proposed quarry site.

Now, the proposal was placed for reappraisal in this 306th SEAC meeting held on 25.08.2022. The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

Agenda No: 306-22.

(File No: 7323/2022)

Proposed Rough stone & gravel quarry lease area over an extent of 2.42.0 Ha at S.F. No. 221/4, 221/5, 221/6, 221/7, 221/12, 221/13, 221/14, 221/15, 221/19, 221/20, 221/21 & 221/22 Chithathur Village, Vembakkam Taluk, Tiruvannamalai District Tamil Nadu by Thiru. J.Venkatesan, - For Environmental Clearance. (SIA/TN/MIN/45199/2019 Dt.25.2.2022)

The proposal was earlier, placed for appraisal in this 268th meeting of SEAC held on 29.4.2022. 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. J.Venkatesan has applied for Environmental Clearance for the Proposed Rough stone & gravel quarry lease area over an extent of 2.42.0 Ha at S.F. No. 221/4, 221/5, 221/6, 221/7, 221/12, 221/13, 221/14, 221/15, 221/19, 221/20, 221/21 & 221/22 Chithathur Village, Vembakkam Taluk, Tiruvannamalai District Tamil Nadu .
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 275800m³ of rough stone and 106908 m³ of gravel.


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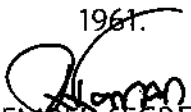
The Annual peak production as per mining plan is 59400 m³ of rough stone (3rd year) & 45312m³ of gravel (1st year) with ultimate depth —46m BGL.

4. The PP has issued with ToR vide. Lr No.SEIAA-TN/F.No.7323/SEAC /ToR - 872/2029 Dated: 12.3.2021 with Restricting the depth of mining from 46m to 36m ultimate depth and quantity of 251750 m³ of Rough stone & 106908 m³ of Gravel for five years with a bench height of 5m as per the approved mining plan considering the hydrogeological regime of the surrounding area.

Based on the presentation and document furnished by the project proponent, SEAC noted that, during the public hearing, many participants have raised their concern about houses in the vicinity developing cracks and getting damaged due to the quarrying operation. It is found that the EIA consultant has not made any efforts to verify the correctness or otherwise of these statements. Hence SEAC decided that the EIA consultant study this issue, by engaging a reputed Government institution, and submit a report to SEAC for further deliberations.

The proponent has furnished reply vide Lr. Dt: 14.07.2022. In this connection, the proposal was again placed in this 306th SEAC Meeting held on 25.08.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the ultimate depth of mining is restricted upto 36m and the quantity of 251750 m³ of Rough Stone & 106908 m³ of Gravel with maintaining the Annual peak production as per mining plan is 59400 m³ of rough stone & 45312m³ of gravel subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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

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3. Within one year of the commencement of mining operations, the PP shall carry out the scientific studies on controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
4. The Project Proponent (PP) shall submit an 'Action Plan' for carrying out the realignment of the benches in the existing quarry and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry is exceeding 40 m to the office of concerned AD (Mines) before obtaining CTO from TNPCB.
5. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 40 m (or) during the 4th year of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT Madras, IIT (ISM), NIT-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, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
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 EMP furnished.
7. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the Government Higher Secondary School, Chithatur, Vembakkam, Tiruvannamalai as committed, before obtaining CTO from TNPCB.

Agenda No: 306-23

(File No. 8013/2020)

Proposed Rough Stone quarry lease over an extent of 1.28.41 Ha at S.F.Nos. 507/3A2, 507/3A3, 507/3D2, 50A/2B6, 507/3B, 507/3C, 507/4, 507/3D1B, 508/4, 507/3A1A1A (P), 507/3D1C, 507/3A1B & 507/3E of Thengappattanam Village, Killioor Taluk, Kanniyakumari District by Thiru. K.P. Ravichandran - For Environmental Clearance.(SIA/TN/MIN/182815/2020, dated: 10.11.2020)

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Earlier, this proposal was placed before 192nd SEAC held on 07.01.2021 and 214th SEAC held on 23.6.2021, 260th SEAC held on 01.04.2022, 270th SEAC held on 06.05.2022, 515th SEIAA meeting held on 01.06.2022 and 294th SEAC meeting held on 14.07.2022. The details of the minutes are given in the website (parivesh.nic.in). SEAC noted the following:

1. The Project Proponent, Thiru K.P. Ravichandran has applied seeking Environmental Clearance for the proposed Rough Stone quarry lease over an extent 1.28.41 Ha at S.F.Nos. 507/3A2, 507/3A3, 507/3D2, 50A/2B6, 507/3B, 507/3C, 507/4, 507/3D1B, 508/4, 507/3A1A1A (P), 507/3D1C, 507/3A1B & 507/3E of Thengappattanam Village, Killioor Taluk, Kanniyakumari District.
2. The Project/activity it covered under Category "B2" of item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

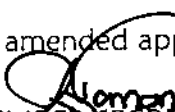
In the 294th SEAC meeting, based on the clarification submitted by the PP, the Committee decided to direct the PP to submit a detailed study on the structures located around the proposed site. The structures within radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, places of worship, etc. On receipt of the additional details, SEAC decided to further examine the proposal.


Now in this 306th SEAC meeting, the PP furnished the following details:

- "There are 4 Houses located within the radius of 100m from the project site, population is about 13 Nos. and **Vinaygar temple is located 60m** on the top of hillock worship timing in this temple Friday and festival seasons.
- In 100 – 200m radius 11 houses are located; population is about 73 Nos and **Punitha John Bosco Church is located about 120m North East** worship timing is Morning 5.30 AM.
- In 200-300m radius **More than 50 houses** located the sample survey was taken in the 21 Houses".

Based on the details furnished by the project proponent. SEAC had observed the following legal provisions;

1. The Rule 36 (1-A) of Tamil Nadu Minor Mineral Concession Rules, 1959 as amended appropriately later states:


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(a) "No lease shall be granted for quarrying stone within 300m from any habitated site"

(iii) "Inhabited site means a village site or town site or house site or layout approved by a local body or town or country or metropolitan planning authority where the said Body or Authority is located under a state and empowered to approve such an area as a house site or layout area....."

2. Further, in compliance of Hon'ble NGT Order dt.-28.02.2020 in OA No. 304/2019, CPCB has examined the matter and prepared a report on 'Distance Criteria for Permitting Stone Quarrying', which is provided for consideration and adoption by all the SPCBs in our country states that'

"In view of available information, following minimum distance criteria may be considered for permitting stone quarry by SPCBs:

Mining Type		Minimu m distance	Locations
A.	When Blasting is not involved	100 m	Residential/Public buildings, Inhabited sites, Protected monuments, Heritage sites, National / State Highway, District roads, Public roads, Railway line/area, Ropeway or Ropeway trestle or station, Bridges, Dams, Reservoirs, River, Canals, ef Lakes or Tanks, or any other locations to be considered by States.
B.	When Blasting is involved	200 m**	

** Note: The regulations for danger zone (500 m) prescribed by Directorate General of Mines Safety also have to be complied compulsorily and necessary measures should be taken to minimize the impact on environment.

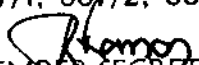
However, if any state is already having stringent criteria than the above for minor minerals mining (i.e., more prescribed distances than the above), the same shall be applicable."

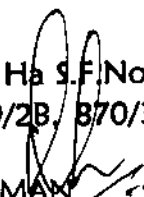
Hence, the SEAC after having the detailed discussions and in view of the additional information now made available, decided to reverse its earlier decision and **not to recommend** the proposal for Environmental Clearance.

Agenda No: 306 - 24.

(File No: 5783/2022)

Existing Rough Stone and Gravel quarry lease over an extent of 15.72.5 Ha S.F. Nos. 867/1, 867/2, 867/3, 869/1A1, 869/1A2, 869/1B, 869/1C, 869/2A, 869/2B, 870/3,


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871/3A, 871/3B, 873/2, 874/1, 874/2A1, 874/2A2, 874/2B1, 874/3A1, 874/3A2, 874/2B2, 874/2B3, 874/3B, 875, 876/1, 876/2, 877/1, 877/2A, 877/2B, 878/1, 878/2, 879, 881, 887, at Sevalur Village of Sivakasi Taluk, Virudhunagar District, Tamil Nadu, by Thiru. E. Dhanapal - For amendment in Environmental Clearance issued. (SIA/TN/MIN/268338/2022 Dt: 18.04.2022)

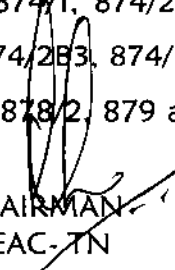
The proposal for the extension of validity of EC was earlier placed in the 296th SEAC meeting held on 16.07.2022. During the meeting, neither the project proponent nor the consultant was present.

In view of the above, SEAC decided to defer the subject.

The proposal was again placed in this 306th SEAC Meeting held on 25.08.2022. Based on the presentation and document furnished by the project proponent, SEAC noted the following:

1. The applied area has been considered under quarrying operation earlier four times as indicated below.
 - i. The quarry lease was first granted in favour of Tmt. B. Santhi Rajaram, W/o. Boopathirajaram over an extent of 0.67.5ha of Patta land in S.F.No.869/1A1 for the period of Five years from 07.02.2000 to 06.02.2005.
 - ii. For the second consecutive term, the quarry lease was again granted in favour of Tmt. B. Santhi Rajaram, over an extent of 1.93.0ha of Patta lands in S.F.Nos.869/2A, 877/1, 877/2A, 877/2B and 878/2 for the period of five years from 19.07.2004 to 18.07.2009.
 - iii. Then, the quarry lease was granted in favour of Thiru. B. Boopathirajaram, S/o. Barathalwar over an extent of 3.28.0ha of Patta lands in S.F.Nos.869/1A1, 869/2A, 876/1, 876/2, 877/1, 877/2A, 877/2B and 878/2 for the period of five years from 11.09.2009 to 10.09.2014.
 - iv. Further, the quarry lease was granted in favour of Thiru. E. Dhanapal, S/o. Errachi Reddiar over an extent of 15.72.5ha of Patta lands in S.F.Nos. 867/1, 867/2, 867/3, 869/1A1, 869/1A2, 869/1B, 869/1C, 869/2A, 869/2B, 870/3, 871/3A, 871/3B, 873/2, 874/1, 874/2A1, 874/2A2, 874/2B1, 874/3A1, 874/3A2, 874/2B2, 874/2B3, 874/3B, 875, 876/1, 876/2, 877/1, 877/2A, 877/2B, 878/1, 878/2, 879 and


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881 for the period of Five years from 25.01.2017 to 24.01.2022 for which the necessary Environmental Clearance was obtained from the SEIAA-Tamil Nadu vide Lr.No. SEIAA-TN/F.No.5783/1(a)/EC.No: 3842/2016 dated:14.11.2016 under the EIA Notification 2006.

2. The above Environmental Clearance granted under EIA Notification, 2006 to the PP - Thiru. E. Dhanapal {as mentioned in 1 (iv)} is valid for a period of 5 years upto maximum depth of 16m with the total production of 906105 m³ of Rough Stone & 65362 m³ of Gravel during the above period.
3. Further, the lease was executed to operate the quarry from 25.01.2017 to 24.01.2022 and hence the validity of EC is applicable for a period of 5 years (i.e., upto 24.01.2022) as the lease granted for the above quarry terminates on 24.01.2022.
4. The quarry was under operation till the expiry of the previous mining lease (i.e., 24.01.2022) and it became non-operative due to expiry of lease even though the EC validity is deemed to be extended till 24.01.2023 (auto extension) as per the Notification issued by the MoEF & CC vide S.O. 221(E), dated 18.01.2021.
5. The PP has informed that the application for the extension of lease along with the Scheme of Mining was submitted to the Asst Director (Geology & Mining) on 16.07.2021 for utilizing the TN G.O.Ms.No.208 Industries (MMC.1) Department, dated. 21.09.2020 which states that

".....2 (a) The minimum period for which quarrying lease for rough stone may be granted in respect of virgin areas which have not been subjected to quarrying so far shall not be less than one year and the maximum period for grant of such lease shall not exceed ten years and shall not exceed five years in respect of other areas:

Provided that a lessee, who has already been granted quarrying lease for rough stone for a period of five years, may apply for extension of lease for a further period of five years in the Form prescribed in Appendix-VI along with the approved scheme of mining obtained in terms of sub-rule (9) of rule 41 to the Assistant Director of Geology and Mining at least 180 days before the expiry of the lease period:....."

However, the PP was unable to get the extension of lease immediately from the office of AD (Geology & Mining).

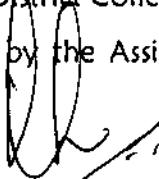

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6. In the meanwhile, the PP has also obtained a Mining Plan approved by the Asst Director (Geology & Mines) vide letter No: Roc.No: KV1/540/2021 on 22.12.2021 for a fresh proposal in the same quarry site but for the different area of extent (15.61.0 Ha against the current area of extent of 15.72.50 Ha) with enhanced production volume (12,75,934 m³ of Rough Stone) due to the delay in obtaining the extension of previous lease.
7. Then, the PP had applied for a **fresh** proposal with the above Mining Plan {approved by the AD (Geo & Mining). on 22.12.2021} to obtain the EC again in the same quarry site but for the different area of extent (15.61.0 Ha) with enhanced production volume (12,75,934 m³ of Rough Stone) to ensure the continuity in the quarrying operation which will safeguard the livelihood of the persons employed and also to protect the costly equipment from the corrosion & other mechanical damage apart from saving the environment.
8. Accordingly, the project proponent Thiru. E. Dhanapal has applied for Terms of Reference (SIA/TN/MIN/72342/2022 Dt:17.02.2022) for the Proposed Rough Stone and Gravel quarry lease over for the reduced area of extent of 15.61.0 Ha at S. F. Nos. 867/1, 867/2, 867/3, 869/1A1, 869/1A2, 869/1B, 869/1C, 869/2A, 869/2B, 870/3, 871/3A, 871/3B, 873/2, 874/1, 874/2A1, 874/2A2, 874/2B1, 874/3A1, 874/3A2, 874/3B, 875, 876/1, 876/2, 877/1, 877/2A, 877/2B, 878/1, 878/2, 879 and 881 Sevalur Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu for the an another period of 5 years considering as a fresh lease, but with enhanced (different) total volume of production is 12,75,934 m³ of Rough Stone, 39,600 m³ of Weathered Rock & 69,197 m³ of Gravel for an ultimate depth of mining 43m BGL as per the Mining Plan approved by the AD (Geology & Mines) on 22.12.2021.
9. Accordingly, the Terms of Reference with Public Hearing (ToR) was issued Dt:06.06.2022 by the Authority.
10. The PP has also informed that he had just received the letter of confirmation on the long pending Extension of Lease which was approved for period of five years in the same area as cited in the earlier Proceedings of the District Collector, Virudhunagar in Rc.No.KV1/23981/2015, dated. 20.01.2017 by the Assistant


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Director, Geology & Mining, Virudhunagar vide his Letter: R.C. No. KV1/384/2021 Dated: 25.01.2022.

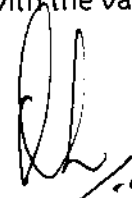
11. The PP has quoted that the quarry was under operation till the expiry of the previous mining lease (i.e., 24.01.2022) and non-operative now even though the lease is extended for want of EC extension.
12. The Asst. Director (Geology & Mining) stated that the proponent has quarried & transported only a quantity of 187,377 m³ of rough stone & 64876 m³ of Gravel during EC/ lease validity period to till 24.01.2022. The maximum dimension of the existing quarry pits is given in the below-mentioned table:

Existing Pit Dimensions (in meters)			
Pit No	Length (m)	Width (m)	Depth (m)
Pit - I	167	165	20
Pit - II	160	188	13
Pit - III	108	47	10

Proposed Depth: 43m (1m Gravel + 2m Weathered rock + 40m Rough Stone)

13. Therefore, the project proponent has now applied for the extension of EC validity (SIA/TN/MIN/268338/2022 Dt:18.04.2022) for the period for further 5 years (i.e.) co-terminus with the tenure of the existing lease (25.01.2022 to 24.01.2027) for producing the remaining quantity of 718768 Cu.m of Rough Stone & 486 Cu.m of Gravel citing the COVID situation.
14. Further, the PP has clarified that
 - (i) the extension of validity was applied only to the remaining quantity available for the EC already granted in 2017.
 - (ii) The ToR was applied for a fresh proposal in terms of 2nd cycle for the same quarry with enhanced quantity in the modified area of extent (15.61.0 Ha) as an alternative arrangement in the case of non-receptance of extension of lease.
 - (iii) The ToR is a permission granted to conduct the EIA studies & Public Hearing process for a new proposal but will not conflict with the validity extension of the EC granted earlier.


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- (iv) In case of any conflict if exists, the EIA studies based on the ToR granted earlier will not be carried out and decided to prefer the processing of application for validity extension only.

Based on the above application, the SEAC have considered the following conditions in related to this proposal:

1. Legal Provisions

MoEF CC S.O No. 674 (E), Dated. 13.03.2013"

"no fresh environmental clearance is required for a mining project or activity at the time of renewal of mining lease, which has already obtained environmental clearance under EIA Notification, 2006."

MoEF CC OM No. Z-11011/15/2012-IA.II (M) (Pt.), Dated. 02.06.2014:

"...that the requirement of environmental clearance shall not be applicable at the time of renewal of mining lease for all cases including pending cases if the environmental clearance has already been obtained under the notification of 2006".


MoEF CC OM No. J-11011/15/2012-IA.II (M), Dated. 20.03.2015 -Valid & subsisting EC

"The Ministry has received reference on the applicability of the provision of requirement of Environment Clearance (EC) at the time of renewal of lease, even if a valid and subsisting environment clearance is held by a PP, at the point of time the PP seeks renewal of the mining lease.

After due consideration and examination of relevant judicial pronouncements and the OM's issued in this regard, it is clarified that the PP which has a valid and subsisting EC for their mining project either under EIA Notification 1994 or EIA Notification 2006, will not be required to obtain fresh EC at the time of renewal of the lease. This is subject to the maximum period of validity of the EC being for mining lease for 30 years."

MoEF CC S.O No. 1141 (E), Dated. 29.04.2015"


*" the validity may be extended by the regulatory authority concerned by a maximum period if an application is made to the regulatory authority by the applicant within the validity period, together with an updated Form I.....
.....Provided further that the regulatory authority may also consult the Expert Appraisal Committee or State Level Expert Appraisal Committee, as the case may be, for grant of such extension."*


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2. The SEAC have also observed that the PP have applied for the extension of validity of Environment Clearance (EC) when the lease period is alive and having the validity for 5 years as per the Scheme of Mining approved by the competent authority.
3. Further, it is informed that every mining plan duly approved under these Rules shall be valid for the entire duration of the lease under the provisions of the TNMMC Rules, 1959. Here, the PP, who has already been granted quarrying lease for rough stone for a period of five years, had obtained the extension of lease for a further period of five years with **the approved scheme of mining** obtained under Rule 41 (9) of TNMMC Rules, 1959.
4. Under these circumstances, the PP had extend the EC period up to another five years (ten years from the date of grant of original EC period) as the First Scheme of Mining has been approved by the competent authority for the period 2022-23 to 2026-27 and also there is no modification or increase in production quantity/extent.
5. Based on the MoEF & CC Notification S.O. 221(E), dated the 18.01.2021 which states that...*"Notwithstanding anything contained in this notification, the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control. However, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid."* Hence the PP is currently possessing the EC with its validity is deemed to be extended till 24.01.2023 (auto extension) as per the aforesaid Notification. Hence, the previous EC granted earlier (in 2016) remain in force (or) effect currently as per this Notification. Further, the EC is valid only if the scheme of the Mining Plan is approved by the Director of Geology & Mining (or) any officers nominated on his behalf, as per the provisions of TNMMR, 1959.

The PP had also submitted the application seeking the extension of EC validity to the regulatory authority when he has a 'valid and subsisting EC' (i.e.,) within the


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validity period of the present EC, which legitimately satisfies the OM/Notifications - MoEF CC OM No. J-11011/15/2012-IA.II (M), Dated. 20.03.2015 & MoEF CC S.O No. 1141 (E), Dated. 29.04.2015 issued by the MoEF & CC. Hence, the SEAC concludes that the PP is qualified to get the extension of the validity of EC for another 5 years only.

However, the SEAC had observed that the PP had earlier obtained a fresh ToR (on 06.06.2022) for the above quarry site based on the Approved Mining Plan & Precise Area Communication issued by the Asst. Director (Geology & Mines), Virudhunagar District. SEAC, therefore, have decided to obtain the following details from the project proponent, for examining the request of PP for extension of EC.

1. The PP shall furnish a letter from the Asst. Director (Geology & Mines), Virudhunagar District stating that the Mining Plan approved earlier (dated. 22.12.2021) for obtaining the ToR is cancelled and hence it becomes null & void.
2. The PP shall produce a certified compliance report from the monitoring authority – IRO / MoEF & CC, Chennai (or) DEE / TNPCB, Virudhunagar District.
3. The EIA coordinator shall explain the appropriateness of his action in pursuing, simultaneously, one application for ToR and another for extension of EC for the same survey numbers.

Agenda No: 306-25

(File No: 9141/2022)

Proposed Earth quarry lease area over an extent of 1.21.5 Ha at S.F.Nos. 885/3B2 of Nenmeni Village, Sattur Taluk, Virudhunagar District, Tamil Nadu by Thiru. S.Sakthivel - For Environmental Clearance.(SIA/TN/MIN/251293/2022,13.01.2022).

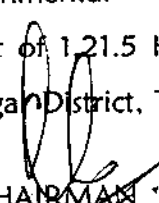
Earlier, this proposal was placed in this 290 th Meeting of SEAC held on 30.06.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

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


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

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


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

On receipt of the reply received, this proposal was placed in this 306th Meeting of SEAC held on 25.08.2022.

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	Thiru.S.Sakthivel S/o. Samuthravelu Door No. 598 Periyar Nagar, Sattur Taluk, Virudhnagar District, Tamil Nadu
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Earth quarry
3.	S.F No. of the quarry site with area break-up	S. F. 885/3B2
4.	Village in which situated	Nenmeni Village
5.	Taluk in which situated	Sattur Taluk
6.	District in which situated	Virudhunagar District
7.	Extent of Quarry (in ha.)	1.21.5Ha
8.	Period of Quarrying proposed	Three years
9.	Type of Mining	Opencast semi Mechanized Mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 3 years & mining plan is for 3 years.



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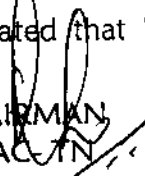

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		16,958 m3 of Earth for three years with ultimate depth of mining 2m below ground level
11.	Latitude & Longitude of all corners of the quarry site	9° 18' 38.21"N to 9° 18' 43.69"N 78° 0' 5.41"E to 78° 0' 9.38"E
12.	Topo sheet No.	58 K/3
13.	Man power requirement per day:	9 Employees
14.	Precise Area Communication approved by the District Collector	Rc.No.KV3/917/2021-Kanimam, Dated: 26.11.2021
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No.KV3/917/2021-Kanimam, Dated: 31.12.2021
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No.KV3/917/2021-Kanimam, Dated: 31.12.2021
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression	3.0 KLD 1.0KLD 2.0KLD Source : From existing, bore wells and drinking water will be sourced from Approved water vendors.
18.	Power requirement: a. Domestic purpose b. Machinery works	-
19.	Depth of Mining	2.0m Below Ground Level
20.	Depth of Water table	20m bgl
21.	Whether any habitation within 300m distance	No
22.	Project cost	Rs. 15.0 lakhs
23.	EMP cost	Rs. 2.25 lakhs
24.	CER cost	Rs.2 lakhs
25.	VAO letter dated	Nil

During the representation the PP has furnished the letter and stated that "We


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furnished the document of land registration to SEIAA on 07.07.2022 and consent land pattadhar does not allow to set up brick kiln in his land. Moreover it was discussed this earth was not suitable for brick making and only suitable for land filling purposes. So we request you to permit transportation of earth outside of project site for filling purposes. I assure you that we will follow the necessary EMP measures while operation of quarry and transportation of earth. As all the details sought by SEAC committee is submitted, kindly process our application and issue us EC as early as possible”.

Based on the presentation made by the proponent, the SEAC recommended for grant of Environmental Clearance 16,958 m³ of Earth for three years with ultimate depth of mining 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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The proponent shall mandatorily appoint the statutory persons and the Mining Engineer 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. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) shall be carried out without


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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. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.

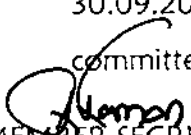

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12. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures 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.
13. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
14. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
15. 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.
16. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
17. The Project Proponent shall comply with the provisions of the Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
18. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
19. 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.

20. 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.
21. 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.
22. 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.
23. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
24. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
25. 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.
26. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.


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27. As accepted by the Project Proponent the CER cost is Rs. 2 lakh and the amount shall be spent for the committed activities for Government School, Nenmeni village before obtaining CTO from TNPCB.

306-TA-01

(File No: 8724/2021)

Proposed Rough Stone quarry over an extent of 1.00.0 Ha located at S.F. No. 105/1(Part-2), Govinthapuram Village, Vaniyambadi Taluk, Vellore District, Tamil Nadu by Thiru.V.Srinivasan- For Environmental Clearance. (SIA/TN/MIN/224418/2021 dated 19.08.2021)

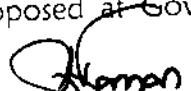
The proposal was placed for appraisal in this 244th meeting of SEAC held on 09.02.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following.

1. The project proponent, Thiru.V.Srinivasan has applied for Environmental Clearance for the proposed Rough Stone quarry over an extent of 1.00.0 Ha located at S.F. No. 105/1(Part-2), Govinthapuram Village, Vaniyambadi Taluk, Vellore 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 10 years and the proposed mining plan for the period of 5 years with the production should not exceed 48925 cu.m. of Rough Stone and 7259 cu.m. of Top soil. The annual peak production 10045 cu.m. of Rough Stone(3rd year) and 5169 cu.m. of Top soil (2nd year). The ultimate depth is 11m AGL.

Based on the presentation and documents furnished by the project proponent, SEAC noted that two farm houses are located very close to the quarry site within a radius of 100 m, hence SEAC decided to make an on- site - spot inspection to assess the status of the site by the sub-committee constituted by the SEAC.

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 Rough Stone quarry proposed at Govinthapuram Village in SF No. 105/1(Part-2), Vaniyambadi Taluk.


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Vellore District. The Committee comprises of Mr. K.S.S.V.P. Reddy, I.F.S (Rtd), Member, SEAC and Dr. D. Narasimhan, Member, SEAC-TN.

Accordingly, the sub-committee visited the site on 08.08.2022. The observations made in the field and recommendations derived on the basis of the field visit are given as below:

1. "Observations:

- *This Project Proponent has applied for fresh lease to the extent of 1.0 Ha in the Government Poromboke land. It is an already quarried site on one side by a different proponent.*
- *The present proposal seeks Environmental clearance for the adjacent site abutting the earlier quarried site.*
- *The validity of the lease period is 10 years. The scheme of mining has been prepared for the first five year of quarry operation as a part of Mining Plan which was approved by the concerned AD (Geology & Mining).*
- *The proposal seeks clearance for quarrying 11m above ground and 20 m below ground level. The total rough stone quantity to be quarried is 96290 m³ and the total top soil to be quarried is 7259m³ for a period of 10 years.*
- *The proposed site is a small hillock with degraded vegetation.*
- *The nearest Reserve Forest is Nekkanamalai RF located at a distance of 2.2 km.*
- *There are two habitations located within 100 m of the quarry site. The owners of the habitations Thiru M. Palani and Thirumathi Valli have expressed their consent to the proposed quarry to the committee members and have given letters in support of their consent.*
- *There is no connecting road to the quarry. However, the adjacent lands belong to the Proponent and hence forming a haul road does not attract any dispute.*
- *The vegetation on site is typically a degraded scrub. However, it is noteworthy to record the occurrence of Senna montana, an endemic species to Southern India at the site and all along the surrounding fields.*

2. Recommendations:


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1.	<i>The Subcommittee observed that the aforesaid site has been opened up already and hence the quarrying operation in the proposed site will not affect any new environmental settings.</i>
2.	<i>The Project proponent shall initially construct the haul road following the provisions of MMR 1961 by maintaining proper gradient and safety bunds (berm) at the edge particularly on the valley side at a height equivalent to the wheel diameter of trucks/dumpers.</i>
3.	<i>It is also recommended to carry out the quarrying operations from top to downwards in the hillock by keeping the benches of adequate dimension intact such that the stability of slope is ensured at all the time.</i>
4.	<i>Since there is a Habitation within a distance of 100m, the Project Proponent shall adopt the controlled blasting techniques using NONEL shock tube (or) Electronic detonators with muffle blasting techniques such that no fly rock travels beyond 10 m.</i>
5.	<i>It has been observed that since this proposed quarrying necessitates safe operation, the PP shall appoint the statutory Mines Manager possessing I Class or II Class certificate of competency issued under MMR'1961 and the other 5 competent persons such as Mine Foreman/Mine Mate, Blaster under the provisions of Mines Act, 1952 without fail.</i>
6.	<i>The subcommittee recommends raising of 500 saplings of Senna montana, the endemic species on site and to be handed over to The District Forest Officer, Vellore for planting in appropriate sites.</i>

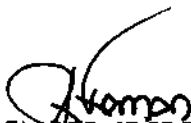
The subcommittee opines the proposal for the grant of Environmental Clearance for proposed quarry covering the lease over an extent of 1.0ha in S.F. No. 105/1 (Part-2) at Govinthapuram Village, Vaniyambadi Taluk, Vellore District, Tamil Nadu may be considered."

The proposal was again been placed in 306th SEAC meeting held on 25.08.2022. 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.
2. The PP shall carry out the controlled blasting techniques involving maximum of two rounds of blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.650 kg /round to ensure the environmentally acceptable blasting operation. The PP shall also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.
3. The PP shall appoint the qualified Mine Manager and other statutory competent person (Blaster or Mine Mate) for carrying out the blasting operation.
4. 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.
5. As accepted by the Project Proponent the CER cost is Rs. 1.25 lakhs and the amount shall be spent the following activities for Government High School, Govinthapuram before obtaining CTO from TNPCB.

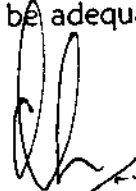

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ANNEXURE-I

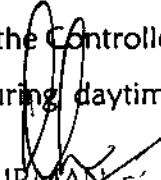
1. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
2. The proponent shall erect fencing all around the boundary of the 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.


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


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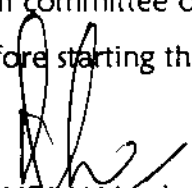
Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory 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 on 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


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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>Acacia narmelos</i>	Vilvam	விலவம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சாடி. ஆனைக்குன்றம்ணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Kurathi	கூருவாத்தி
8	<i>Bauhinia variegata</i>	Kattunna	காட்டுநா
9	<i>Borassus flabellifera</i>	Parai	பனை
10	<i>Bursera malabarica</i>	Murukkamarai	முருக்கமரம்
11	<i>Bursera tobi</i>	Ilavu, Sevilavu	தீலவு
12	<i>Cassia fistula</i>	Pinnai	பின்னை
13	<i>Cassia ficulnea</i>	Sarakondrai	சரககொன்றை
14	<i>Cassia rostrata</i>	Sengondrai	செங்ககொன்றை
15	<i>Cordia allamanda</i>	Puramaram	புக மரம்
16	<i>Cordia speciosa</i>	Kongu Marjallavu	கோங்கு. மஞ்சள தீலவு
17	<i>Cordia dichotoma</i>	Naruvu	நருவு
18	<i>Cordia allamanda</i>	Mavalungum	மாவலங்கம்
19	<i>Dalmania indica</i>	Uva, Uzha	உசா
20	<i>Dalmania pentagyna</i>	SiruUva, Sitruzha	சீறு உசா
21	<i>Dalmania tomentosa</i>	Karungali	கருங்காலி
22	<i>Dalmania schlotheimia</i>	Vagana	வாகனை
23	<i>Ficus religiosa</i>	Kallitchi	கல் திச்சி
24	<i>Hibiscus tiliaceus</i>	Aatrupoovarasu	ஆறுறுப்புவரசு
25	<i>Hibiscus rosa-sinensis</i>	Aacha	ஆச்சா
26	<i>Holoptelea integrifolia</i>	Aavili	ஆவா மரம். ஆயில்
27	<i>Lagerflora coromandelica</i>	Odham	ஓதம்
28	<i>Lagerflora speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lagerflora tetraphylla</i>	Neikottamaram	நேய் கொட்டை மரம்
30	<i>Lagerflora tomentosa</i>	Vilamaram	விலா மரம்
31	<i>Liriodendron glutinosum</i>	Pisinpattai	பிசம்பா. பிசம்பட்டை
32	<i>Melastoma longifolia</i>	Illupai	இலுப்பை
33	<i>Mimosa hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimosa densa</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mimosa pudica</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Pithecellobium dulce</i>	Eachai	ஏச்சை
39	<i>Pongamia pinnata</i>	Pungam	பங்கம்

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40	<i>Premna mollissima</i>	Munai	முன்னை
41	<i>Premna serratifolia</i>	Narumunai	நடு முன்னை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூவரசு
43	<i>Procera cinerea</i>	Vanni maram	வண்ணி மரம்
44	<i>Procarpus maritimus</i>	Vengai	வேங்கை
45	<i>Procarpum canescens</i>	Vernangu, Tada	வேண்ணாங்கு
46	<i>Procarpum polyanthum</i>	Polavu	பலவு
47	<i>Procarpum polyanthum</i>	Kampala	கற்பலா
48	<i>Sarandera parvifolia</i>	Ugaa Maram	உகா மரம்
49	<i>Sarcodes angustata</i>	Manupungan, Soapukai	மனிப்புங்கன் சோப்புக்காய்
50	<i>Sarcococca</i>	Asoca	அசோகா
51	<i>Sarcobasis asper</i>	Piray maram	பிராய் மரம்
52	<i>Sarcobasis nuxvomica</i>	Yethi	எட்டி
53	<i>Sarcobasis parvifolia</i>	Therthang Kottai	தேத்தாங் கோட்டை
54	<i>Sarcobasis canina</i>	Naval	நாவல்
55	<i>Tournefortia bicolor</i>	Thandu	தாண்டு
56	<i>Tournefortia bicolor</i>	Ven marudhu	வேண் மருது
57	<i>Tournefortia bicolor</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Tournefortia peruviana</i>	Puvaratu	பூவரசு
59	<i>Walsbya foliata</i>	valsura	வால்சுரா
60	<i>Walsbya nictaria</i>	Veppalai	வேப்பலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்புளி


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Appendix –II

Display Board

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

-----சுரங்கம்

காங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது. (SEAC), தேதியிடப்பட்டு சுற்றுச்சூழல் அனுமதி தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகைப் பகுதி வளர்ச்சி	குவாரியின் எல்லையை சுற்றி வேலி அமைக்க வேண்டும்.
மேம்பாட்டுக்கான சுரங்கத் திட்டம்	சுரங்கப்பாதையின் ஆழம் தளமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும்.
நடப்பட்டு	காற்றில் மாசு ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும்.
பாாமரிக்க படவேண்டிய மரங்கள் எண்ணிக்கை.	வாகனங்கள் செல்லும் பாதையில் மாசு ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் லாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.
	இளரச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லையை சுற்றி அடர்த்தியான பசுமை பகுதியை ஏற்படுத்த வேண்டும்.
காங்கத்தில் வெவ்வேறுகருமபொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் கற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உணர்ச்சிபராத செயல்படுத்தப்பட வேண்டும்.	
காங்கத்தில் இருந்து ஏற்படும் இளரச்சல் அளவு 85 டிசிபல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	
காங்க சட்ட விதிகள் 1955 கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு க்காதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் தலலது பஞ்சாயத்து வழியாக வாகனங்கள் செல்லும் சாலைகளை தொடர்ந்து நன்கு பாாமரிக்க வேண்டும்.	
சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்த் திணைகள் பாதிக்கப்படக் கூடாது.	
நீர்திணைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தின் நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை சூயக்க வேண்டும்.	
சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் காங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடைபூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பசுமைப்பகுதியை உருவாக்க வேண்டும்.	
புதுகட்டான நிபந்தனைகளை தீர்மானிப்பதில் பாாமரிக்க வேண்டிய நிபந்தனைகளை பார்வையிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்கள்/கேள்விகளையும் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம் (2014-2022) ஆகியவற்றின் கீழ் கட்டுப்பாட்டு வாரியரின் மாவட்ட சுற்றுச்சூழல் பொறுப்பாளரை அணுகவும்.	


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