

State Expert Appraisal Committee (SEAC)

Minutes of 423rd meeting of the State Expert Appraisal Committee (SEAC) held on 15.11.2023 (Wednesday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Mining projects.

Confirmation of Earlier Minutes

The minutes of the 422nd SEAC meeting held on 09.11.2023 were circulated to the Members in advance and as there are no remarks, the Committee decided to confirm the minute.

Agenda No: 423-01

(File No: 10251/2023)

Proposed Rough stone & Gravel quarry lease over an extent of 4.03.0Ha at SF.No. 171/2 (P) of Kuppam Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Tvl.Shri Selva Vinaayaga Blue Metal - for Environmental Clearance.
(SIA/TN/MIN/436262/2023, Dated:11.07.2023)

Earlier the proposal was placed in 412th meeting of SEAC held on 04.10.2023. The details of the minutes are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tvl.Shri Selva Vinaayaga Blue Metal has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 4.03.0Ha at SF.No. 171/2 (P) of Kuppam Village, Aravakurichi Taluk, Karur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

The subject was placed in 664th authority meeting held on 25.10.2023.

The Authority noted that the subject was appraised in 412th SEAC meeting held on 04.10.2023. The Committee noted that, the PP requested for withdrawal of the application since the EC and lease period ended on 25.11.2023. The Committee decided to recommend to SEIAA to accept the withdrawal request made by the PP.

After detailed discussions, the Authority decided to seek the following.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN


- (i) The PP shall furnish CCR.
- (ii) The PP shall furnish last permit details obtained from AD, mines.
- (iii) The PP shall furnish the details of EMP achieved.

In view of these, the authority decided to refer back the proposal to SEAC for re-appraisal on the above said points.

Now the Proposal was placed in 423rd meeting of SEAC held on 15.11.2023.

S. No	SEIAA Query	Reply
1.	The committee noted that, the PP requested for withdraw of the applicable since the EC and lease period ends on 25. 11. 2023. The Committee decided to recommend to SEIAA to accept the withdraw request made by the PP.	The request for withdraw had given in Parvesh Portal. The appraisal meeting schedule on 04.10.2023 but the lease & EC period ends on 25.11.2023. The lease period is granted for 5 years only. So, I will withdraw my proposal.
2.	The PP shall furnish CCR.	The lease period expired on 25.11.2023. Further no quarry operation take place in the S.F.No.171/2(Part). If the proponent go for fresh lease in the S.F.No.171/2(Part) he will submit the CCR moreover the EC issued by DEIAA and lease period is for 5 years only.
3.	The PP shall furnish last permit details obtained from AD, mines	As per O.M. F.No.IA3-22/11/2023-IA.III (E-208230) Dated: 28.04.2023 issued by MOEF&CC. The pp will continue the quarry operation until the EC validity expires or up to 28.04.2024 if the EC prevails.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC-TN

4.	The PP shall furnish the details of EMP achieved.	The PP planted 500 Plantations, water sprinkling at regular intervals, fencing, insurance for workers, etc., but he didn't maintain the EMP account for the expenditure spent.
----	---	--

Based on the above clarifications furnished by the PP, the Committee decided to recommend the withdrawal request made by the PP to SEIAA.

Agenda No: 423-02

(File No: 10136/2023)

Proposed Rough stone quarry lease over an extent of 1.20.0Ha at SF.No. 229(Part-2) of Pogalur Village, Pernampattu Taluk, Vellore District, Tamil Nadu by Thiru. D. Chandran - for Environmental Clearance. (SIA/TN/MIN/433395/2023, Dated:14.06.2023)

Earlier the proposal was placed in 402nd meeting of SEAC held on 17.08.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Thiru.D.Chandran has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.20.0Ha at SF.No. 229(Part-2) of Pogalur Village, Pernampattu Taluk, Vellore District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and documents furnished by the project proponent, SEAC noted that there is a habitation within a distance of 300m and any mining activity will be detrimental to the environment. The PP, however, stated that the mining will be done entirely manually without involving blasting and drilling. SEAC, therefore, decided to call for additional details as follows.

- 1) The proponent shall submit Modified Mining Plan indicating the involvement of hand breaking without adopting the blasting operations.

Now the Proposal was placed in 423rd meeting of SEAC held on 15.11.2023.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

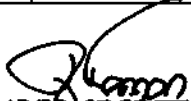
S. No	SEIAA Query	Reply
1.	The proponent shall submit Modified Mining Plan indicating the involvement of hand breaking without adopting the blasting operations.	Approved Modified Mining Plan stating the non-usage of explosives had submitted vide Rc.No.353/2019 (Mines) dated 29.09.2023.


File No	10136/2023 SIA/TN/MIN/433395/2023, Dated:14.06.2023	Category	B2
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thiru. D. Chandran, S/o.Duraisamy, D.No.128/27 Melpatty Road, Chettikuppam Post, Gudiyatham Taluk Vellore District-635803
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough stone quarry
3.	S.F Nos. of the quarry site with area break-up	:	229 (Part-2)
4.	Village in which situated	:	Pogalur
5.	Taluk in which situated	:	Pernampattu
6.	District in which situated	:	Vellore
7.	Extent of quarry (in ha.)	:	1.20.0Ha
8.	Latitude & Longitude of all corners of the quarry site	:	12°54'56.30"N to 12°55'00.31"N 78°46'48.96"E to 78°46'52.60"E

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

9.	Topo Sheet No.	:	57-L/13
10.	Type of mining	:	Opencast Manual Mining
11.	Life of Project	:	5 Years
	Lease Period	:	5 Years
	Mining Plan Period	:	5 Years
12.	Mining Plan Details	:	As per approved Mining Plan Rough stone
	Geological Resources m ³	:	3,00,500m ³
	Minable Resources m ³	:	1,18,923m ³
	Annual Peak Production in m ³	:	3,920m ³
	Maximum Depth in meters	:	20m AGL
13.	Depth of water table	:	60m in summer season - 55m in rainy season
14.	Man Power requirement per day:	:	22 Employees
15.	Water requirement:	:	2.5 KLD
	1. Drinking water & Utilized water	:	1.5 KLD
	2. Dust suppression	:	0.5 KLD
	3. Green belt	:	0.5 KLD
16.	Power requirement	:	TNEB 14686 Liters of HSD for the entire period of life
17.	Precise area communication approved by the District Collector.	:	Rc.No.353/2019(Mines), Dated:26.11.2019
18.	Mining Plan approved by Assistant Director, Department of G&M.	:	Rc.No.353/2019(Mines), Dated: 29.09.2023
19.	500m Cluster Letter approved by the Assistant Director, Department of G&M.	:	Rc.No.353/2019(Mines), Dated: 27.11.2020



MEMBER SECRETARY
SEAC -TN

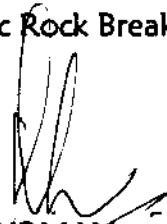

CHAIRMAN
SEAC- TN

20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Furnished Dated: Nil
21.	Project Cost (excluding EMP cost)	:	Rs.25,55,000/-
22.	EC Recommendation	:	Validity
			30 years subject to the following upper limits.
			Rough stone
		:	Max Total in m ³
			18,277m ³
		:	Annual Max in m ³
			3,920m ³
		:	Max Depth in mtrs
			20m AGL
23.	EMP cost (in Rs. Lakh).	:	Rs. 34.57Lakhs
24.	CER cost (in Rs. Lakh).	:	Rs. 6,00,000/-


Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 3,920m³ of Rough stone by maintaining the ultimate depth of mining up to 20m AGL and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. At the time of obtaining the CTO from the TNPCB, the PP shall give an affidavit stating that he will not carry out the blasting operations at any time during the life of mine and he will use only the non-explosive techniques for breaking the rock using Rock Breaking Compounds (or) Rippers (or) Hydraulic Rock Breakers which are duly approved by the competent authority.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

3. The PP shall provide the Vocational Training before deployed in the mine through the DGMS approved Vocational Training Centre located in Trichy (or) Salem without fail.
4. The PP shall furnish the evidence of Green Plant development within the mine lease area by planting not less than 1000 saplings to the DEE/TNPCB at the time of obtaining the CTO.
5. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the rock breaking operations involving the non-explosive techniques in securing the safety of the persons living within a radial distance of 500 m to the concerned AD (Mines) at the time of lease execution.
6. The PP shall annually carry out the ergonomic assessment of musculoskeletal disorders and working postures by conducting whole-body vibration studies of the Rock breaker based on Job cycle and postural variability, through involving any one of the reputed Research & Academic Institutions - National Institute of Miners' Health, Nagpur; CSIR-Central Institute of Mining & Fuel Research / Dhanbad; NIRM/Bangalore; IIT (ISM), Dhanbad; NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
7. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry walls when the depth of the quarrying reaches 30 m or more for evaluating the slope stabilization & protective measures at the ultimate pit limits, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

and DMS, Chennai as a part of Environmental Compliance without any deviation.

8. As accepted by the Project Proponent the CER cost of Rs. 6 Lakhs and the amount shall be spent for the activities as committed towards (i) Bharathi Government Aided Primary School, Rasappanpatti Village & (ii) Melalanguppam Village School before obtaining CTO from TNPCB.

Agenda No: 423 - 03

(File No: 10475/2023)

Proposed Rough stone & Gravel Quarry over an extent of 3.28.0Ha at SF.Nos. 272/2A, 2B, 2C and 2D of Chettikurichi Village, Kayathar Taluk, Thoothukkudi District, Tamil Nadu by Thiru.S.Kandasamy - For Terms of Reference. (SIA/TN/MIN/447362/2023, Dated:07.10.2023)

The proposal was placed in the 423rd SEAC Meeting held on 15.11.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.S.Kandasamy has applied for Terms of Reference for the Proposed Rough stone & Gravel Quarry over an extent of 3.28.0Ha at SF.Nos. 272/2A, 2B, 2C and 2D of Chettikurichi Village, Kayathar Taluk, Thoothukkudi District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.


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: 423-04

(File No: 6174/2017)

Existing Limestone quarry lease over an extent of 4.09.5 Ha at S.F.Nos. 24/1F, 29/2B, 29/2F, 34/1, 34/2, 34/3, 34/4, 34/5, 34/6, 34/7, 34/8, 34/9, 34/10, 34/11, 34/12 & 34/13 in Pandapuli Village, Sankarankovil Taluk, Tirunelveli District, Tamil Nadu by M/s. Murali Enterprises - For extension of validity of Environmental Clearance and


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC-TN

Recommendations for releasing the Bank guarantee for the value of Rs. 7.567 lakhs remitted towards Ecological remediation, Natural resource Augmentation and Community resource Augmentation under EIA Notifications dated 14.03.2017 & 08.03.2018 (under violation category). (SIA/TN/MIN/298942/2023, dated: 24.03.2023)

The proposal was placed in this 423rd meeting of SEAC held on 15.11.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:


1. The proponent M/s. Murali Enterprises has obtained Environmental Clearance under violation category vide Lr.No.SEIAA-TN/F.No.6174/1(a)/EC.No: 5216/2022, dated: 17.08.2022 for the existing Limestone quarry lease area over an extent of 4.09.5 Ha at S.F.No. 24/1F, 29/2B, 29/2F, 34/1, 34/2, 34/3, 34/4, 34/5, 34/6, 34/7, 34/8, 34/9, 34/10, 34/11, 34/12 & 34/13 of Pandapuli Village, Sankarankovil Taluk, Tirunelveli District, Tamil Nadu, for the production quantity of 15960 MT of Limestone, for the period upto 31.03.2023 with the following conditions.
 - The amount prescribed for Ecological remediation (Rs. 2.045 lakhs), natural resource augmentation (Rs. 2.454 lakhs) & community resource augmentation (Rs. 3.0679 lakhs), totaling Rs. 7.567 Lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.7.567 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
 - The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

2. Now, the proponent has applied for extension of validity of earlier issued EC under violation category in Form-6 vide SIA/TN/MIN/298942/2023, dated: 24.03.2023 as per MoEF&CC Notification S.O. 1807(E) dated: 12.04.2022 and MoEF&CC O.M. dated: 13.12.2022. The PP has furnished the approved Review of Mining Plan for the period from 2023-24 to 2027-28 obtained from the Indian Bureau of Mines, Chennai vide Letter No. TN/TNL/LST/ROMP-1708.MDS dated 09.02.2023.
3. Meanwhile, the Proponent vide letter received dt.25.08.2023 has applied for releasing of the Bank Guarantee of Rs. 7,56,700/- given to TNPCB dated 21.08.2021 along with copy of Certified Compliance Report (CCR) received from Integrated Regional Office (IRO), MoEF&CC, Chennai vide Letter No. EP/12.1/2023-24/SEIAA/73/TN/1011 dated 22.08.2023. The PP has also furnished the copy of CTO obtained from TNPCB.
4. Earlier, the proposal for extension of validity of earlier issued EC under violation category was placed in the 661st Authority meeting held on 09.10.2023 & 10.10.2023. After detailed discussion, the authority decided to forward the proposal to SEAC for remarks and recommendations.
5. The SEAC noted that as per O.M. dated 13.12.2022, Clarification on the amendment to EIA Notification 2006 issued vide S.O. 1807(E) dated 12.04.2022 with regard to validity of Environment Clearance, para 2 (ii) states that...
"The Environment Clearances for which the project proponents have submitted the application for extension of validity as per the provisions of the EIA Notification 2006 as on the date of publication of Notification i.e., 12.04.2022 shall stand automatically extended to respective increased validity as mentioned at Para no. 1 column (C) above."
6. The EIA Notification 2006 vide S.O. 804(E) dated: 14.03.2017 stated that
"(7) The project proponent will be required to submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by Expert Appraisal Committee and


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC-TN


finalized by Regulatory Authority and the bank guarantee shall be deposited prior to the grant of environmental clearance and will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.”

Based on the presentation & documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Extension of Environmental Clearance for the quantity of 1,08,640 Tonnes of ROM which includes 74,214 Tonnes of Limestone & 34,426 Tonnes of Mineral Rejects with annual peak production capacity not exceeding 23,850 Tonnes of ROM which includes 15,960 Tonnes of Limestone & 7890 Tonnes of Mineral Rejects, in accordance with the aforementioned OM issued by the MoEF&CC subject to following specific conditions.

Further, SEAC found that the PP has implemented the Ecological Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan as stipulated and it is also certified in the CCR issued by the Regional Office of the Ministry and decided to recommend to SEIAA that the Bank Guarantee submitted by the PP may be released.

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
3. The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary (or) permanent magazine approved by the concerned licensing authority before the execution of the lease.



MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.

4. Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the cumulative blasting operations carried out in a cluster environment in accordance with the DGMS Circular No. 7 of 1997, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
5. The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation and green belt development, in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
6. As a part of haul road management, the PP shall ensure that the haul road dust is constructed with bitumen to minimize dust generation but however the suppression/watering are being done to maintain the required moisture level in all active haul roads. A fleet of water trucks with adequate water spray systems are available and operational at all times.
7. Since the waterbodies are situated nearby, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within a period of two years from the date of lease execution, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras - Centre for


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

8. The Proponent shall plant 500 trees/Ha and maintain the same.
9. As accepted by the Project proponent the CER cost is Rs.5,00,000/- and the amount shall be spent for the Primary School, Karisalkulam Village (Rs.2,50,000/-) and Primary School, P.Reddiyapatti Village (Rs.2,50,000/-), Tirunelveli District as committed, before obtaining CTO from TNPCB.
10. All other conditions stipulated in earlier Environmental Clearance vide Lr.No.SEIAA-TN/F.No.6174/1(a)/EC.No:5216/2022, dated: 17.08.2022 will remain unaltered and unchanged.

Agenda No: 423-05

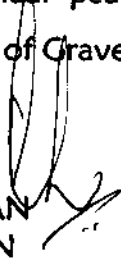
(File No: 6993/2019)

Proposed Rough Stone and Gravel quarry lease area over an extent of 2.80.5 Ha at S.F.Nos. 15/1 & 15/2 of Sivayam (North) Village, Krishnarayapuram Taluk, Karur District, Tamil Nadu by Tvl. Navamani Mines Private Limited - For Environmental Clearance. (SIA/TN/MIN/439433/2023, Dated: 06.08.2023)

Earlier, the proposal was placed for appraisal in the 410th meeting of SEAC held on 22.09.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). **The SEAC noted the following:**

1. The project proponent, Tvl. Navamani Mines Private Limited has applied for Environmental Clearance for the Proposed Rough Stone and Gravel quarry lease area over an extent of 2.80.5 Ha at S.F.Nos. 15/1 & 15/2 of Sivayam (North) Village, Krishnarayapuram Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under category "B" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the precise area communication letter, the lease period is 5 years and mine plan period is 5 years. As per the approved mine plan, the annual peak production shall not exceed 82,755 m³ of Rough Stone and 17,652 m³ of Gravel



MEMBER SECRETARY
SEAC -TN

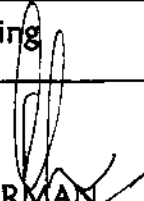

CHAIRMAN
SEAC- TN

for an ultimate depth of 38m (3m Gravel + 35m Rough Stone) below ground level.

4. ToR along with Public Hearing issued vide Lr No. SEIAA-TN/F.No.6993/SEAC/ToR-761/2020 Dated:24.09.2020
5. Public hearing conducted on 21.06.2023
6. EIA Report submitted on 10.08.2023
7. The salient features of the proposal are as follows:

File No	6993 / 2019	Category	B / 1(a)
Sl. No	Salient Features of the Proposal		
1	Name of the Owner/Firm	:	Tvl. Navamani Mines Private Limited, Thiru. Pazhaniyandi Vimalathithan, Director S/o. Pazhaniyandi, No.5/898, Alagu Nagar, Trichy Main Road, Namakkal District - 637 001.
2	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone and Gravel
3	S.F Nos. of the quarry site with area break-up	:	15/1 & 15/2
4	Village in which situated	:	Sivayam (North)
5	Taluk in which situated	:	Krishnarayapuram
6	District in which situated	:	Karur
7	Extent of quarry (in ha.)	:	2.80.5 Ha
8	Latitude & Longitude of all corners of the quarry site	:	10°52'19.57"N to 10°52'25.68"N 78°22'26.70"E to 78°22'34.23"E
9	Topo Sheet No.	:	58 – J/05
10	Type of mining	:	Opencast Mechanized Mining


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC - TN

11	Life of Project	:	5 years			
	Lease Period	:	5 years			
	Mining Plan Period	:	5 years			
12	Mining Plan Details	:	As per approved Mining Plan		As modified by SEAC	
	Geological Resources m ³ (RoM)	:	Rough Stone	Gravel	Rough Stone	Gravel
			9,80,455 m ³	84,039 m ³	-	-
	Mirable Resources m ³ (RoM)	:	Rough Stone	Gravel	Rough Stone	Gravel
			3,95,935 m ³	49,332 m ³	-	-
Annual Peak Production in m ³	:	Rough Stone	Gravel	Rough Stone	Gravel	
		82,755 m ³	17,652 m ³	-	-	
Ultimate Depth in meters	:	38m (3m Gravel + 35m Rough Stone) below ground level		-		
13	Depth of water table	:	45m-50m below ground level			
14	Man Power requirement per day:	:	36 Nos.			
15	Water requirement:		4.0 KLD			
	1. Drinking water		1.5 KLD			
	2. Utilized water	:	-			
	3. Dust suppression		1.5 KLD			
	4. Green belt		1.0 KLD			

MEMBER SECRETARY
SEAC -TN

15

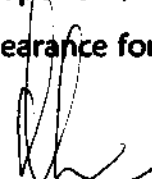
CHAIRMAN
SEAC- TN

16	Power requirement	:	3,24,972 Liters of HSD		
17	Precise area communication approved by District Collector	:	Na.Ka.No.256/Kanimam/2019, dated:19.06.2019		
18	Mining Plan approved by Deputy Director, Department of G&M	:	Rc.No.256/Mines/2019, dated: 24.06.2019		
19	Department of G&M, Deputy Director 500m Cluster Letter	:	R.C. No.256/Mines/2019, dated:25.06.2019		
20	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated 24.06.2019		
21	Project Cost (excluding EMP cost)	:	Rs. 65,68,505/-		
22	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Gravel
			Max Total RoM in m ³	3,95,935 m ³	49,332 m ³
			Annual Max RoM in m ³	82,755 m ³	17,652 m ³
	Max Depth in mtrs		38m (3m Gravel + 35m Rough Stone) below ground level		
23	EMP cost (in Rs. Lakh).	:	Capital Cost – Rs. 35,23,350/- Recurring Cost – Rs. 22,51,441/-		
24	CER cost (in Rs. Lakh).	:	Rs. 5,00,000/-		

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


MEMBER SECRETARY
SEAC -TN

16


CHAIRMAN
SEAC -TN

annual peak production capacity not exceeding 82,755m³ of Rough Stone and 17,652m³ of Gravel by maintaining the ultimate depth of mining upto 38m (3m Gravel + 35m Rough Stone) below ground level and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions stated therein.

Subsequently, the subject was placed in the 662nd Authority meeting held on 16.10.2023. The Authority noted that the subject was appraised in the 410th SEAC meeting held on 22.09.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.

The Authority further noted as follows:

1. Original Application No. 148/2022 has been filed in the Hon'ble NGT, Southern Zone and the case is pending before the Hon'ble NGT, Southern Zone.
2. A complaint petition was received from Dr.R.Sushmitha against the quarry of M/s. Navamani Mines Private Limited at S.F. Nos. 15/1 & 15/2, Sivayam (North) Village, Krishnarayapuram Taluk, Karur District regarding illegal mining and crushing operations vide letter dated 12.10.2023.

In view of the above, the Authority decided to refer back the proposal to SEAC to furnish remarks.


Now, this proposal was again placed in this 423rd meeting of SEAC held on 15.11.2023. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEIAA.


SEIAA Query	Reply
Original Application No. 148/2022 has been filed in the Hon'ble NGT, Southern Zone and the case is pending before the Hon'ble NGT, Southern Zone	We wish to bring to your kind notice regarding the Original application filed by Dr. Sushmitha on 19.12.2022 vide application No 148/2022 is with regards to crushing units and not for the applied quarrying area in S.F.Nos. 15/1 & 15/2, Sivayam (North) Village, Krishnarayapuram Taluk, Karur District


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

	<p>(File No.6993) and enclosing the petition copy.</p> <p>The petition copy clearly details about the case filed on the firm M/s. Sri Rathinagiriswarar Blue Metals (Crushing Unit) & M/s. Navamani Mines Pvt Ltd (Crushing Unit) with current status of the case is – The hearing is postponed for the final hearing 11.12.2023.</p> <p>We wish to declare that the case is not related to the proposed quarry application appraised by SEAC for file number 6993 and also herewith confirm by way of undertaking that the company shall abide to the final outcome of the case.</p>
<p>A complaint petition was received from Dr.R.Sushmitha against the quarry of M/s. Navamani Mines Private Limited at S.F. Nos. 15/1 & 15/2, Sivayam (North) Village, Krishnarayapuram Taluk, Karur District regarding illegal mining and crushing operations vide letter dated 12.10.2023.</p>	<p>Based on the request to SEAC during the 423rd SEAC Meeting we acknowledge the receipt of the Petition Copies and herewith we wish to bring your kind notice that we have applied for Environmental Clearance for our proposal for quarrying Rough stone and Gravel in S.F. No 15/1 and 15/2 of Sivayam North Village, Krishnarayapuram Taluk, Karur District vide File No 6993 and the same has been presented before the SEAC committee for its recommendation in</p>


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

the 410th SEAC meeting. Based on the presentation the SEAC committee have recommended the proposal on its merits. Now as per the ADS raised by SEIAA with regards to the petition. We hereby wish to submit the few lines for favourable consideration, the petition is for a crusher establishment in different survey No which is in near vicinity from the applied area and not related to this project site.

We also wish to bring your kind notice that the first point regarding the NGT Case is the same lines as of the petition. Therefore, we herewith commit that we shall follow the final outcome of the NGT case and request your good office to reiterate your recommendations for Environmental Clearance for our proposed project site for quarrying of Rough Stone and Gravel vide File No. 6993. And also wish to bring your kind notice the project site is situated in S.F.No 15/1 and 15/2 over an extent of 2.80.5 Ha was previously operated by Thiru. Narasimman from whom we have purchased the land and the details are as follows:


MEMBER SECRETARY
SEAC -TN

19


CHAIRMAN
SEAC- TN

	<p>Lease period - 14.09.2005 to 13.09.2010</p> <p>Proceeding No - 155/Kanimam/2005</p> <p>Dated 23.08.2005</p> <p>Pit Dimension -</p> <p>25m (L) X 15m (W) X 3m (D) - Pit-I</p> <p>37 m (L)* 18m (W) 3 m (D) - Pit- II.</p> <p>There is no other Quarries in the Name of M/s. Navamani Mines Private Limited.</p> <p>The case filed against the Crushing unit not related to this project site.</p>
--	---

Further the SEAC have observed that (i) no other quarries in the name of M/s. Navamani Mines Private Limited are operating in this location and the case filed against the Crushing unit is not related to this project site;

(ii) the certain provisions of MMDR Act 1957 related to this case states that

"...21.(4) Whenever any person raises, transports or causes to be raised or transported, without any lawful authority, any mineral from any land, and, for that purpose, uses any tool, equipment, vehicle or any other thing, such mineral tool, equipment, vehicle or any other thing shall be liable to be seized by an officer or authority specially empowered in this behalf...."

"...22. Cognizance of offences.—No court shall take cognizance of any offence punishable under this Act or any rules made thereunder except upon complaint in writing made by a person authorised in this behalf by the Central Government or the State Government..."

Further it is clear that as per the provision of 23 (C) of MMDR Act, 1957, the State Government is empowered to make rules for preventing illegal mining, and transportation & storage of illegal minerals. All such mining which qualifies under illegal shall be dealt within the provisions of MMDR Act by the concern authorities.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

Based on the presentation made & the documents furnished by the Project proponent and the above observations, SEAC decided to reiterate its recommendation already made in its 410th SEAC meeting held on 22.09.2023. All other conditions mentioned in the minutes will remain unchanged and unaltered.

Agenda No: 423-06

(File No: 7455/2020)

Proposed Rough Stone quarry lease over an extent of 2.54.0 Ha at S.F. Nos. 125/1, 125/5, 140/4, 140/6A, 140/6B, 140/7, 140/8, 141, 142/8A, 142/8B, 142/5B, 142/6, 142/7, 142/9, 142/11 & 142/12 of Udaiyalipatti Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Thiru. R. Rajmohan – For extension of validity of Terms of Reference. (SIA/TN/MIN/302258/2023, Dated: 14.07.2023)


The proposal was placed in this 423rd meeting of SEAC held on 15.11.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The proponent Thiru. R. Rajmohan has obtained Terms of Reference vide Lr No. SEIAA-TN/F.No.7455/SEAC/TOR-738/2020 Dated: 12.08.2020 for the proposed Rough Stone quarry lease over an extent of 2.54.0 Ha at S.F.No. 125/1, 125/5, 140/4, 140/6A, 140/6B, 140/7, 140/8, 141, 142/8A, 142/8B, 142/5B, 142/6, 142/7, 142/9, 142/11 & 142/12 of Udaiyalipatti Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu.
2. Now, the proponent has applied for extension of validity of earlier issued ToR in Form-5 vide SIA/TN/MIN/302258/2023, dated: 14.07.2023.
3. Earlier, the proposal for extension of validity of earlier issued ToR was placed in the 661st Authority meeting held on 09.10.2023 & 10.10.2023. After detailed discussion, the authority decided to forward the proposal to SEAC for remarks and recommendations.

During the presentation, EIA Coordinator stated that originally, they had applied for Terms of Reference as the applied area falls under cluster situation and subsequently had been granted Terms of Reference by SEIAA-TN vide Lr No. SEIAA-TN/F.No.7455/SEAC/TOR-738/2020 Dated: 12.08.2020. Later due to financial


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


constraints PP had decided to withdraw the proposal and the same was accepted by the Committee and the Authority. Further, the PP now wants to re-apply for Terms of Reference under 'B1' Category as the said area falls under cluster to obtain Environmental Clearance as per the procedure laid down in EIA Notification, 2006. However, Committee noted that the PP had made an application for the extension of validity of earlier issued ToR, which is no longer in existence as it has already been withdrawn by the PP, instead of fresh ToR application. Hence, EIA coordinator stated that they had made an application for validity extension by mistake and thereby requested the Committee to allow them to withdraw the ToR extension proposal (Proposal No 302258).

Hence, based on the above facts furnished by the EIA coordinator, Committee decided to accept the withdrawal of extension of ToR made by the PP vide Proposal No 302258 and SEIAA may accordingly take necessary action in accordance with the procedures as laid in the law.


Agenda No: 423-07


(File No: 10287/2023)

Proposed Quartz and Feldspar quarry lease over an extent of 2.17.5 Ha at S.F.Nos. 826/1B & 826/2 of Kosanam (B) Village, Nambiyur Taluk, Erode District, Tamil Nadu by M/s. Sri Hill Minerals – For Environmental Clearance. (SIA/TN/MIN/430938/2023, Dated: 26.05.2023)

Earlier, the proposal was placed for appraisal in the 413th meeting of SEAC held on 05.10.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, M/s. Sri Hill Minerals has applied for Environmental Clearance for the Proposed Quartz and Feldspar quarry lease over an extent of 2.17.5 Ha at S.F.Nos. 826/1B & 826/2 of Kosanam (B) Village, Nambiyur Taluk, Erode District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. As per the precise area communication letter, the lease period is 10 years and mine


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

plan period is 5 years. As per the approved mine plan, the annual peak production shall not exceed 76,024 Ts ROM which includes 72,223 Ts of Recovery (@95%) & 3801 Ts of Mined Waste (@5%) and Recovery of 95% consists of 3611 Ts of Quartz (@5%) & 68,612 Ts of Feldspar (@95%) for an ultimate depth of 29m.

4. Earlier the project proponent has obtained EC from DEIAA vide Lr.No.DEIAA-ERD/F.No.20594/2017/EC.No.(20/2018) dated: 03.10.2018.

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

- i) The PP shall obtain Certified Compliance Report (CCR) from Integrated Regional Office, MoEF&CC, Chennai for the earlier Environmental Clearance obtained from DEIAA.

The proponent vide letter dated 02.11.2023 submitted the Certified Compliance Report (CCR) obtained from Regional Office, MoEF&CC, Chennai vide EP/12.1/2022-23/SEIAA/95/TN/1191 dated 27.10.2023 for the earlier EC issued by DEIAA.

Hence, the proposal was placed in this 423rd meeting of SEAC held on 15.11.2023.

The salient features of the proposal are as follows:

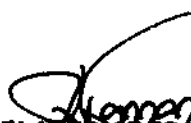
File No	10287 / 2023	Category	B2 / 1(a)
Sl. No	Salient Features of the Proposal		
1	Name of the Owner/Firm	:	M/s. Sri Hill Minerals, Registered Office-15, Pugalum Perumalpuram, 4 th Street, Kumaranathapuram, Tiruppur District - 641 602.
2	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Quartz and Feldspar
3	S.F Nos. of the quarry site with area break-up	:	826/1B & 826/2
4	Village in which situated	:	Kosanam (B)



MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

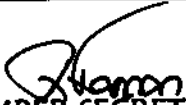



5	Taluk in which situated	:	Nambiyur
6	District in which situated	:	Erode
7	Extent of quarry (in ha.)	:	2.17.5 Ha
8	Latitude & Longitude of all corners of the quarry site	:	11°21'25.26"N to 11°21'30.47"N 77°20'47.33"E to 77°20'53.50"E
9	Topo Sheet No.	:	58 – E/07
10	Type of mining	:	Opencast Mechanized Mining
11	Life of Project	:	5 years
	Lease Period	:	10 years
	Mining Plan Period	:	5 years
12	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources Ts (RoM)	:	As modified by SEAC
		:	Quartz & Feldspar
Minable Resources Ts (RoM)	:	Quartz & Feldspar	


MEMBER SECRETARY
SEAC -TN



CHAIRMAN
SEAC- TN


		3,35,483 Ts ROM which includes 3,18,709 Ts of Recovery (@95%) & 16,774 Ts of Mined Waste (@5%). Recovery of 95% consists of 15,935 Ts of Quartz (@5%) & 3,02,774 Ts of Feldspar (@95%)	
		Quartz & Feldspar	Quartz & Feldspar
	Annual Peak Production in Ts :	76,024 Ts ROM which includes 72,223 Ts of Recovery (@95%) & 3801 Ts of Mined Waste (@5%). Recovery of 95% consists of 3611 Ts of Quartz (@5%) & 68,612 Ts of Feldspar (@95%)	
	Ultimate Depth in meters :	29m	-
13	Depth of water table :	30m-35m below ground level	
14	Man Power requirement per day:	32 Nos.	
15	Water requirement:	1.5 KLD	


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN 

	1. Drinking water 2. Utilized water 3. Dust suppression 4. Green belt		0.4 KLD - 0.6 KLD 0.5 KLD
16	Power requirement	:	150 Liters of HSD / day
17	Precise area communication approved by Additional Chief Secretary to Government, Industries (MMC.1) Department	:	G.O. (2D) No.8, Industries (MMC.1) Department, Dated: 23.04.2018
18	1 st Scheme of Mining Plan approved by Additional Director, Commissionerate of G&M	:	Rc.No.589/MM7/2023, Dated:23.03.2023
19	Department of G&M, Deputy Director 500m Cluster Letter	:	R.C. No. 109/Mines/2023, Dated:22.05.2023
20	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated 15.07.2023
21	Project Cost (excluding EMP cost)	:	Rs. 67,49,000/-
22	EC Recommendation	:	Validity
		:	30 years subject to the following upper limits. Quartz & Feldspar
		:	Max Total RoM in Ts
		:	3,35,483 Ts ROM which includes 3,18,709 Ts of Recovery (@95%) & 16,774 Ts of


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


			Mined Waste (@5%). Recovery of 95% consists of 15,935 Ts of Quartz (@5%) & 3,02,774 Ts of Feldspar (@95%)
		Annual Max RoM : in Ts	76,024 Ts ROM
		Ultimate Depth in : mtrs	29m
23	EMP cost (in Rs. Lakh).	:	Capital Cost – Rs. 28,79,500/- Recurring Cost – Rs. 21,43,593/-
24	CER cost (in Rs. Lakh).	:	Rs. 5,00,000/-

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 76,024 Ts ROM by maintaining the ultimate depth of mining upto 29m and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

- 1) The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
- 2) The PP shall carry out Initial Medical Examination and Periodic Medical Examination for the persons to be employed accordingly before the execution of the lease, in the Occupational Health Medical centers duly approved by the Directorate General of Mines Safety, Dhanbad.



MEMBER SECRETARY
SEAC -TN

27


CHAIRMAN
SEAC- TN

- 3) The PP shall annually carry out an Occupational Health Survey (OHS) includes free silica test, in accordance with the guidelines & period of examination laid in the DGMS (Tech.) (S&T) Circular No. 01 of 2011, on OHS of the persons working in mines prone to generate the airborne dust, under Section 9A of Mines Act, 1952 by actively involving State Government officials and Non-Government Organizations(NGO) working in the Occupational Health Survey (Medical Examination). A copy of such annual compliance certificate shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 4) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry walls in a hilly terrain within a period of six months from the commencement of mining operations for evaluating the slope stabilization & protective measures while designing the proposed benches, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 5) The PP shall furnish the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling & blasting, excavation, transportation and green belt development, to the concerned AD (Mines) at the time of lease execution.
- 6) The PP shall not employ any external agency for carrying out the blasting operation in the proposed quarry and he shall also install the temporary (or) permanent magazine approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
- 7) The PP shall appoint a First Class/Second Class Mine Manager for managing the quarrying operations before the execution of lease and a copy of the


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

appointment shall be sent to the Director of Mines Safety, Chennai Region along with Notice of Opening of the Mine under the provisions of MMR 1961.

- 8) The PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground & noise from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 9) As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, Potthapalayam, Nambiyur, Erode District, before obtaining CTO from TNPCB.

Agenda No: 423-08

(File No: 10476/2023)

Proposed Multi Colour Granite quarry over an extent of 1.13.46 Ha at S.F. Nos. 1151/5, 1151/6 and 1172/2A of Irudhukottai Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Tvl. Top Granites - For Terms of Reference.

(SIA/TN/MIN/447526/2023, Dated: 09.10.2023)

The proposal was placed for appraisal in this 423rd meeting of SEAC held on 15.11.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Tvl. Top Granites has applied seeking Terms of Reference for the proposed Multi Colour Granite quarry over an extent of 1.13.46 Ha at S.F. Nos. 1151/5, 1151/6 and 1172/2A of Irudhukottai Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended.


MEMBER SECRETARY
SEAC -TN


29

CHAIRMAN
SEAC- TN


3. The precise area communication was issued for the period of 20 Years. The mining plan is for 5 Years. The annual peak production shall not exceed 6020 m³ ROM which includes 2408 m³ of granite recovery (@40%) & 3612 m³ of granite waste (@60%) for the ultimate depth of 26m.
4. Here it is observed that a Govt. land of 10 m width splits the mine lease into two different parts resulting in 'non-contiguous' granite deposit.

During the presentation, while ascertaining the Mining Plan, the PP was advised to submit the Modified Mining plan considering the S.F. Nos. ^{1151/5} 1151/6, 1172/2A of 1.13.46 Ha (eastern side boundary of the said quarry) for the proposed quarry activity and leaving the S.F. Nos. 1124/5, 1124/6 of 1.27.0 Ha (western side boundary of the said quarry) from the extent of 2.40.46 Ha of Irudhukottai Village, Denkanikottai Taluk, Krishnagiri District for the safety reasons and also to develop & maintain the greenbelt. Based on the presentation made by the project proponent, SEAC decided to recommend for grant of 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 and additional ToR conditions given in ANNEXURE-I are to be included in EIA/EMP Report beside the following specific conditions:

1. The PP shall furnish the Modified Mining Plan for an area of extent of 1.13.46 Ha where the mining operations will be carried out.
2. The PP shall furnish the evidence of the green belt development activities carried out in the other 'non-working' leasehold area situated at the western side at the time of EIA presentation.
3. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, at the time of EIA presentation.
4. The PP shall provide the mitigation measures to be carried out as CNWL is located nearby, in consultation with the concerned DFO.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No: 423 -09.

File No: 4964/2015

Existing Black Granite Quarry over an extent of 03.22.0 Ha at S.F.No. 9(Part) (Patta Land) Jagadevipalayam Village, Krishnagiri Taluk, Krishnagiri District by Thiru. S. Venkatesan - Extension of validity of Environmental Clearance. MoEF&CC Notification Dt: 12.04.2022 & MoEF&CC O.M 13.12.2022. (SIA/TN/MIN/303281/2023 Dt:17.08.2023) The SEAC noted the following:

Earlier, this proposal was placed in the 662nd Authority meeting held on 11.10.2023. The authority noted that the PP has requested for extension of validity of Environmental Clearance as per MoEF&CC Notification Dt: 12.04.2022 & MoEF&CC O.M 13.12.2022 for the EC issued vide Lr.No. SEIAA/TN/F.No.4964/EC/1(a)/2863/2015 dated: 15.02.2016 and the validity expired on 14.02.2022 (including covid extension).

Further, the authority noted that the PP has also submitted request for withdraw for online proposal No. SIA/TN/MIN/71690/2022 dated: 31.01.2022 for which ToR was issued vide SEIAA Letter No. SEIAA/TN/F.No.8965/SEAC/ToR-1133/2021 dated 25.03.2022.

In this connection, the authority after detailed discussion has decided to request Member Secretary, SEIAA to forward this proposal seeking extension of validity of Environmental Clearance for appraisal at SEAC and to consider the PP request request for withdraw for online proposal No. SIA/TN/MIN/71690/2022 dated: 31.01.2022.

This proposal was placed in 423rd SEAC meeting held on 15.11.2023. Based on the presentation and documents furnished by the project proponent, the SEAC noted that the validity of the earlier EC issued vide Lr.No. SEIAA/TN/F.No.4964/EC/1(a)/2863/2015 dated: 15.02.2016 expired on 14.02.2022 including covid extension and the PP has not applied for extension of validity within the validity of the earlier EC.

Hence, as per MoEF&CC clarification vide MoEF&CC O.M 13.12.2022, this proposal is not eligible for automatic extension of validity of EC and the PP request seeking withdraw for online proposal No. SIA/TN/MIN/71690/2022 dated: 31.01.2022


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


for which the ToR issued earlier vide SEIAA Letter No. SEIAA/TN/F.No.8965/SEAC/ToR-1133/2021 dated 25.03.2022 is not recommended by SEAC.


Therefore, the PP shall carry out the EIA study and Public Hearing following the aforementioned ToR dated 25.03.2022 (File No. 8965) and apply for EC accordingly by submitting the final EIA report along with minutes public hearing.

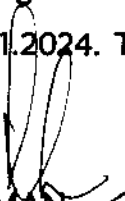
Agenda No:423 -10.

File No: 509/2013.

The existing residential apartment project by M/s. L&T South City Projects Ltd (Eden Park Phase 2 at SF. No. 90/3A1A, 3A1B(Part) of Pudupakkam Village & SF. No. 123, 127/1 etc of Siruseri Village, Chengalpattu Taluk, Kancheepuram District - Transfer of EC due to mangement change from M/s. L & T South City Projects Limited to M/s. Pragnya South City Projects Private Limited. (Online proposal no. SIA/TN/MIS/303928/2023 Dt: 05.09.2023) The SEAC noted the following:


1. Earlier, the project proponent M/s. L&T South City Projects Ltd (Eden Park Phase 2) SF.No. 90/3A1A, 3A1B(Part) of Pudupakkam Village & SF.No. 123, 127/1 etc of Siruseri Village, Chengalpattu Taluk, Kancheepuram District has obtained Environmental Clearance vide SEIAA/TN Lr. Dt:07.11.2013 for Built up area 5,42,148 Sq.m valid upto 06/11/2024 as per OM Dt: 13.12.2022. Further, the PP has obtained CTE Dt: 22/11/2013 and obtained partially CTO Dt:18.01.2023 from SPCB for Built-up area - 1,56,469 Sq.m.
2. Now, the project proponent M/s. Pragnya South City Projects Private Limited decided to surrender EC obtained vide SEIAA-TN Lr. Dt:07.11.2013 due market status and proposed to obtain separate EC for separate Blocks in phased manner. In this connection, the PP has applied for separate EC for the proposed Phase 2 (Daffodils) - Block C2 (Built-up area - 44869.56 Sq.m) & CS6 (Carparking blocks) - (Built-up area - 3618.08 Sq.m) vide online EC proposal No.SIA/TN/INFRA2/425367/2023 Dt: 08.04.2023 Offline No. 9972).
3. In this connection, the subject was placed in 385th SEAC meeting held on 22.06.2023, SEAC observed that the earlier EC will be valid till 6.11.2024. The


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

MOEF&CC has issued OM No. F.No. 1A3-22/10/2022-1A.III (E 177258) Dt. 29.3.2022 and prescribed the procedure to be followed by the PP while surrendering the prior EC accorded by the MOEF&CC/SEIAA for developmental projects. Therefore, SEAC decided to defer the proposal and instructed the PP to comply with the above said OM.

4. In this regard, the project proponent vide Lr. Dt: 03.07.2023 has requested for partial EC surrender of said Environmental Clearance obtained vide SEIAA/TN Lr. Dt:07.11.2013 through offline (since online portal for provision of Form-11 is under development as informed by PP) along with mandatory documents as per MOEF&CC has issued OM No. F.No. 1A3-22/10/2022-1A.III (E 177258) Dt. 29.3.2022. In view of the above, this proposal was placed in the 636th Authority meeting held on 10.07.2023. The Authority after detailed discussion decided to forward the said application seeking partial EC surrender to SEAC for further course of action.
5. This proposal regarding partial EC surrender was placed in this 404th meeting of SEAC held on 25.08.2023. Based on the presentation and the documents furnished. The SEAC noted that this proposal request for partial EC surrender of the Environmental Clearance Dt:07.11.2013 was filed offline stating that there is no option for online submission in Parivesh portal. In this regard, SEAC noted that MoEF&CC O.M Dt: 23.02.2021 has directed SEIAA strictly process files/applications through Parivesh portal only. In view of the above, SEAC has decided not to consider this offline request of the project proponent. Subsequently, the proposal was placed in 655th Authority Meeting held on 19.09.2023. The Authority noted that the subject was appraised in the 404th SEAC meeting held on 25.08.2023 and SEAC has decided not to consider this offline request of the project proponent. The Authority after detailed discussion decided unanimously to accept the remarks and decision of SEAC. Hence, this proposal seeking partial EC surrender of the Environmental Clearance Dt:07.11.2013 vide offline cannot be considered and the file is hereby closed and recorded.


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


6. Now the project proponent has filed application seeking name change due to management change vide online proposal no. SIA/TN/MIS/303928/2023 Dt: 05.09.2023 (Form-7) for the earlier EC obtained vide Ir. No. SEIAA/TN/F.509/EC/8(b)/230/2012 Dt:07.11.2013 from M/s. L & T South City Projects Limited to M/s. Pragnya South City Projects Private Limited. In this connection, this proposal was placed in the 663rd Authority meeting held on 18.10.2023. The Authority noted that the PP has requested for name change vide online proposal No. SIA/TN/MIS/303928/2023, dt: 05.09.2023 from M/s. L & T South City Projects Limited to M/s. Pragnya South City Projects Private Limited. Also, it was noted that the validity of EC expired on 06.11.2021 as per MoEF&CC O.M notification vide F. No. 22-27/2015-IA-III Dt:12.04.2016 & notification vide S.O. 221(E) Dt:18.01.2021. In view of the MoEF&CC Notification Dt: 12.04.2022 & MoEF&CC O.M 13.12.2022, the Authority after detailed discussion has decided to forward the proposal to SEAC for further course of action.

This proposal was placed in 423rd SEAC meeting held on 15.11.2023. Based on the presentation and documents furnished by the project proponent, the SEAC noted that the validity of the earlier EC issued Dt: 07.11.2013 has already expired on 06.11.2021 and the PP request for transfer EC does not fall within validity of earlier EC issued. Hence, the SEAC has decided that project proponent request for transfer EC is not recommended.

However, PP informed the Committee that he has already filed a separate application for EC in PARIVESH portal vide No. SIA/TN/INFRA2/425367/2023 Dt: 08.04.2023 (Offline No. 9972) and requested the Committee that since the earlier issued EC in the name of M/s L&T South City Projects Ltd (Eden Park Phase 2) (offline no. 509) has expired, the above-mentioned fresh EC proposal (offline no. 9972) in the name of M/s. Pragnya South City Projects Private Limited may be considered. Hence, Committee decided that as requested by the PP, no further action needed to be taken in the present proposal and PP's fresh EC proposal will be taken up for appraisal as per the seniority.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No: 423 - 11

(File No: 9593/2023)

Proposed Rough Stone Quarry lease over an extent of 2.00.0Ha (Govt. Poramboke Land) S.F.No.220/1(Part-4), Gopanapalli Village, Hosur Taluk, Krishnagiri District by Thiru.J.Vijayakumar - For Environmental Clearance. (SIA/TN/MIN/433496/2023 Dt. 22.06.2022).

Earlier, the proposal was placed in this 400th Meeting of SEAC held on 11.08.2023. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. J. Vijayakumar has applied for Environmental Clearance for the proposed Rough Stone Quarry lease over an extent of 2.00.0Ha S.F.No.220/1(Part-4), Gopanapalli Village, Hosur Taluk, Krishnagiri 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. ToR vide. Lr No. SEIAA-TN/F.No.9593/SEAC/ToR-1334/2022 Dated: 10.02.2023 for the production of 2,57,243 cu.m of Rough Stone and depth upto 58m.
4. Public Hearing Conducted on 04.05.2023.
5. The precise area communication was issued for the period of 10 Years. The approved mining plan is for the period of 10 Years & production should not exceed 396263m³ of Rough Stone & 29960m³ of Topsoil. The annual peak production is 63973m³ of Rough Stone & 16264m³ of Topsoil. The depth of mining is 58m BGL.
6. DD, Dept. of Geology & Mining, Krishnagiri District vide Lr. Dt: 15.09.2023 has approved reestimated mineable reserves as per bench geometry prepared by RQP as follows

Remarks	Approved Mine Plan & Depth	Revised Mine Plan & Depth after SEAC recommendation
Conceptual Plan & Section	Rough Stone - 396263 m ³ , Depth of 58 m (11m AGL + 47 m BGL)	Rough Stone - 306567 m ³ Depth of 50m (11m AGL + 39M BGL)
Yearwise Production plan & section	Rough Stone - 257243 m ³ , Depth of 30m ((11m AGL + 19 m BGL)	Rough Stone - 273407 m ³ Depth of 35m (11m AGL + 24M BGL)


MEMBER SECRETARY
SEAC -TN

35


CHAIRMAN
SEAC- TN

Sl. No	Salient Features of the Proposal	
1.	Name of the Owner/Firm	: Thiru.J.Vijyakumar, S/o.Jayaram, D.No.1/41, T.Shoolagunda, Madakkal Village, Denkanikottai Taluk, Krishnagiri District
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	: Rough Stone
3.	S.F Nos. of the quarry site with area break-up	: 220/1(Part-4)
4.	Village in which situated	: Gopanapalli
5.	Taluk in which situated	: Hosur
6.	District in which situated	: Krishnagiri
7.	Extent of quarry (in ha.)	: 2.00.0Ha
8.	Latitude & Longitude of all corners of the quarry site	: 12°37'51.83"N to 12°37'49.10"N 77°48'45.92"E to 77°48'40.11"E
9.	Topo Sheet No.	: 57 - H/14
10.	Type of mining	: Opencast Semi - Mechanized of Mining
11.	Life of Project	: 10 Years
	Lease Period	: 10 Years
	Mining Plan Period	: 10 Years
12.	Mining Plan Details	: As per approved Mining Plan


MEMBER SECRETARY
SEAC -TN

36


CHAIRMAN
SEAC - TN

	Geological Resources m ³ (RoM)	:	Rough Stone in m ³	Topsoil in m ³
			1009267m ³	39878m ³
	Mineable Resources m ³ (RoM)	:	Rough Stone	Topsoil
			306567m ³	29960m ³
	Annual Peak Production in m ³	:	Rough Stone	Topsoil
			59840 m ³	16264m ³
	Maximum Depth in meters	:	58m	
13.	Depth of water table	:	88m BGL	
14.	Man Power requirement per day:	:	18 Nos.	
15.	Water requirement: 1. Drinking water 2. Utilized water 3. Dust suppression 4. Green belt	:	2.7 KLD 0.2 KLD 0.5 KLD 1.0 KLD 1.0 KLD	
16.	Power requirement a. Domestic Purpose b. Industrial Purpose	:	TNEB 210782 Liters of HSD	
17.	Precise area communication approved by the, District Collector, Department of Geology and Mining with date	:	Rc.No.538/2022/Kanimam, dt: 26.04.2022	
18.	Mining Plan approved by Deputy Director, Department of Geology and Mining with date	:	Roc.No.538/2022/Mines, dt: 04.07.2022 & Revised mining plan Dt: 15.09.2023.	


MEMBER SECRETARY
SEAC -TN

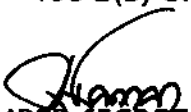
CHAIRMAN
SEAC- TN




19.	Deputy Director, Department of Geology and Mining 500m cluster letter		Roc.No.538/2022/Mines, dt: 04.07.2022	
20.	VAO Certificate Regarding Structures within 300m Radius		Letter dt:10.10.2022.	
21.	Project Cost (excluding EMP cost)	:	Rs.245.70 Lakh	
22.	EC Recommendation	:	Revised Mining plan submitted with bench geometry designed with 5 m height & 5 m width	
				Rough Stone m ³
			Max Total RoM in m ³	273407 m ³
			Annual Max RoM in m ³	59840 m ³
			Max Depth in mtrs	50m (11m AGL + 39m BGL)
23.	EMP cost (in Rs. Lakh).	:	Capital Cost - Rs.43.22 Lakhs Recurring Cost - Rs. 19.69 Lakhs With 5% inflation for the recurring cost.	
24.	CER cost (in Rs. Lakh).	:	Rs.5 Lakhs	

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

1. The Modified Mining Plan estimating the revised Mineable reserves & Annual Production Volume after the inclusion of the bench geometry as per Regulation 106 2(b) of MMR, 1961, as committed by the PP for the total lease period of 10


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

years (or) the life of the project, duly approved by the concerned AD (Mines)/Competent Authority shall be furnished.

On receipt of the details sought the subject may be placed before the SEAC for further deliberations and to decide on future course of action.

Subsequently, this subject was placed in the 651st authority meeting held on 30.08.2023. The authority noted that the subject was appraised in the 400th SEAC meeting held on 11.08.2023 and the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 11.08.2023.

In this connection, the project proponent furnished reply on 21.09.2023. In this regard, again the proposal was placed in 423rd SEAC meeting held on 15.11.2023.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production shall not exceed 59840 m³ of Rough Stone and the ultimate depth of mining upto 50m (11m AGL + 39m BGL) subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

- 1) The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
- 2) The PP shall construct a garland drain of size, gradient and length around the proposed quarry incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining. Garland drain, silt-traps, siltation ponds and outflow channel should be de-silted periodically and geo-tagged photographs of the process should be included in the HYCR.
- 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


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


furnish the photographs/map showing the same before obtaining the CTO from TNPCB.

- 4) The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
- 5) For ensuring the scientific & systematic way of mining, the PP shall submit a conceptual plan indicating the quarry operation to be carried out from top ward to downwards by maintaining the haul road of permitted gradient along with keeping the benches intact, to the concerned AD (Mines) at the time of lease execution.
- 6) The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
- 7) The PP shall carry out the scientific studies within a period of **ONE** year from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 8) The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation and green belt development, in securing the safety of


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.

9) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 4th year or when the depth of working exceeds 30m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

10) As accepted by the Project Proponent the CER cost of Rs.5 lakhs and the amount shall be spent for the Panchayat Union Middle School, Mugalur Village before obtaining CTO from TNPCB.

Agenda No: 423-12

(File No: 10478/2023)

Proposed Rough Stone & Gravel Quarry over an extent of 3.78.0 Ha at S.F.Nos. 110/3, 110/4, 110/5, 127/1 and 127/2 of Kodangipatti Village, Bodinaickanur Taluk, Theni District, Tamil Nadu by Thiru. R.Seenivasan - For Terms of Reference. (SIA/TN/MIN/439908/2023, Dated: 10.08.2023)

The proposal was placed in the 423rd Meeting of SEAC held on 15.11.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.R.Seenivasan has applied for Terms of Reference for the Proposed Rough Stone & Gravel Quarry over an extent of 3.78.0 Ha at S.F.Nos. 110/3, 110/4, 110/5, 127/1 and 127/2 of Kodangipatti Village, Bodinaickanur Taluk, Theni District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.


MEMBER SECRETARY
SEAC -TN

41

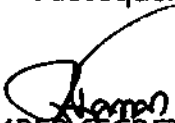
CHAIRMAN
SEAC- TN


3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 3,61,855 m³ of Rough stone & 74,232 m³ of Gravel with ultimate depth of mining 38m BGL.

Earlier, the PP had submitted an online application No. SIA/TN/MIN/428338/2023, Dated:06.05.2023 for obtaining EC. This proposal was placed in 390th meeting of SEAC held on 07.07.2023. Based on the presentation and document furnished by the project proponent, SEAC observed that the total area comes to 6.51 Ha > 5 Ha on viewing the 500m radius cluster certificate and decided to call for the following additional details.

1. The PP shall apply for obtaining the ToR, if the total area of cluster is more than 5 Ha.
2. PP shall furnish the following details obtained through the comprehensive scientific studies carried out by the Department of Plant Science and Department of Sociology of Manonmaniam Sundaranar University (MSU), Tirunelveli.
 - (i) Analysis of soil profile, specifically on top soil and organic content of top soil.
 - (ii) Complete Flora and Fauna study by engaging the experts of the MS University.
 - (iii) Enumeration of Native Fodder grasses and other fodder plants.
 - (iv) Medicinal plants harvested by the local people for their own use.
 - (v) Ethnic groups like Kattunayaka living in the area.
 - (vi) Their dependence on the flora for Livelihood and Life support.
 - (vii) Occurrence of Any endemic species and endangered species.
 - (viii) If there are any NTFP collected from the area for Lively and Life support.
 - (ix) Folk healers of the area and their dependence on local Biodiversity.
3. The PP shall furnish the complete details on the Agricultural activities within 500m radius.

Subsequently, this subject was placed in the 640th Authority meeting held on


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

27.07.2023. The Authority after detailed discussion decided that the PP shall apply for ToR with additional details called by the SEAC.

Now, the PP has applied for Terms of Reference vide online application No. SIA/TN/MIN/439908/2023, Dated:10.08.2023. This proposal was placed in the 423rd Meeting of SEAC held on 15.11.2023. Based on the presentation and details furnished by the project proponent, 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. PP shall furnish the following details obtained through the comprehensive scientific studies carried out by the Department of Plant Science and Department of Sociology of Manonmaniam Sundaranar University (MSU), Tirunelveli.
 - (i) Analysis of soil profile, specifically on top soil and organic content of top soil.
 - (ii) Complete Flora and Fauna study by engaging the experts of the MS University.
 - (iii) Enumeration of Native Fodder grasses and other fodder plants.
 - (iv) Medicinal plants harvested by the local people for their own use.
 - (v) Ethnic groups like Kattunayaka living in the area.
 - (vi) Their dependence on the flora for Livelihood and Life support.
 - (vii) Occurrence of Any endemic species and endangered species.
 - (viii) If there are any NTFP collected from the area for Lively and Life support.
 - (ix) Folk healers of the area and their dependence on local Biodiversity.
2. The PP shall furnish the complete details on the Agricultural activities within 500m radius.
3. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m & upto 1km shall be enumerated with details such as dwelling houses with


MEMBER SECRETARY
SEAC -TN

43

CHAIRMAN
SEAC- TN



number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.

4. As a part of Ground Water Management, the PP shall carry out the scientific studies to assess the existing hydrogeological condition and impacts of the quarrying operation on the ground water level present in the core zone, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
5. The Project Proponent shall furnish the revised EMP based on the study carried out on impact of the dust & other environmental impacts due to proposed quarrying operations on the nearby agricultural lands for remaining life of the mine in the format prescribed by the SEAC considering the cluster situation.

Agenda No: 423- 13

(File No: 2474/2022)

Existing Black Granite quarry lease over an extent of 3.38.5 Ha S.F.Nos.935(P), Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by M/s Tamil Nadu Minerals Limited - For Extension to Environmental Clearance. (SIA/TN/MIN/295982/2023 dated: 04.01.2023)

The proposal was placed in the 661st meeting of SEIAA held on 09.10.2023 & 10.10.2023. The Authority noted that the PP has applied for reappraisal of the project proposal by SEIAA for which EC has been issued by DEIAA in compliance with the order of the Hon'ble NGT in O.A142 of 2022 as per the Guidelines stipulated in MoEF & CC OM F.No. IA3-22/11/2023-IA.III (E-208230), dated. 28.04.2023. Hence the Authority decided to request the Member Secretary to place the subject before SEAC for appraisal.

Hence the proposal was placed in this 423rd meeting of SEAC held on 15.11.2023.


MEMBER SECRETARY
SEAC -TN

44


CHAIRMAN
SEAC- TN

The project proponent made 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 that the EC issued by DEIAA vide letter no. 06/DEIAA-DPI/EC.No./2018 was valid upto 13.08.2023. Now the PP has submitted application seeking extension of the aforesaid DEIAA EC.

After the detailed discussions, the SEAC decided that there is no question of extension of EC granted by DEIAA and decided to instruct the PP to apply afresh to SEIAA for Environmental Clearance with all relevant documents including NBWL Clearance.

AGENDA No: 423-14

(File No: 4483/2023)

Existing Grey Granite Quarry lease over an Extent of 1.85.5 Ha located at S.F.No 266/1,268/1AC and 268/1AD, Jagadevipalayam Village, Krishnagiri Taluk, Krishnagiri District by M/s. M.P. Granites – Extension of validity of Environmental Clearance. (SIA/TN/MIN/204010/2021 dated 16.03.2021)

The proposal was earlier placed in the 379th meeting of SEAC held on 12.05.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. M.P. Granites has applied seeking extension of validity of Environmental Clearance issued vide SEIAA Lr. No. SEIAA-TN/F.No.4483/EC/1(a)/2655/2015, dated: 05.01.2016 for the Grey Granite over an extent 1.85.5 Ha located at S.F.No 266/1,268/1AC and 268/1AD, Jagadevipalayam Village, Krishnagiri Taluk, Krishnagiri District.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.
3. EC issued vide SEIAA Lr. No. SEIAA-TN/F.No.4483/EC/1(a)/2655/2015, dated: 05.01.2016 valid upto 04.01.2021.

The SEAC observed the MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, states that,

".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


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... ”.

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

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

Based on the application, presentation made by the proponent, the SEAC decided to confirm that the proposal is entitled for ‘automatic extension to the respective increased validity’ as per the aforesaid OM issued by the MoEF & CC for the production of balance quantity of 8100 m³ of Grey Granite as per the approved mining plan subject to the following commitment made by the PP.

As accepted by the Project Proponent the CER cost is Rs. 5 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

All the other conditions mentioned in SEIAA Lr. No. SEIAA-TN/F.No.4483/EC/1(a)/2655/2015, dated: 15.01.2016 remain unaltered.

Subsequently the subject was placed in the 626th meeting of Authority held on 01.06.2023. The Authority noted that the subject was appraised in the 379th meeting of SEAC held on 12.05.2023 and SEAC has furnished its recommendations for the grant of extension of validity of the Environmental Clearance for the project subject to the conditions stated therein.

After detailed discussions, the Authority decided to call for the following additional details/documents from the project proponent:


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

1. Letter from AD/Mines stating the quantity of mineral excavated so far and the details of last permit issued.
2. Justification for increase in recovery to 40%.
3. Copy of valid mining plan/1st scheme of mining along with approval letter.
4. Recently issued Certified compliance report.

On receipt of the details/documents sought above the Authority will further deliberate and decide on future course of action.

The PP furnished the reply vide letter dated 05.10.2023 and hence the subject was placed in the 661st meeting of SEIAA held on 09.10.2023 & 10.10.2023. The Authority noted that the PP has furnished the details sought. The Authority, after detailed discussions decided to refer back the subject to SEAC for furnishing remarks.

Now the subject was placed in the 423rd meeting of SEAC held on 15.11.2023. The SEAC noted that the following reply furnished by the PP:

S.NO	SEIAA QUERY	REPLY
1	Letter from AD/Mines stating the quantity of mineral excavated so far and the details of last permit issued	Letter obtained from the Department of Geology and Mining vide Rc. No. 914/2020/Mines Dated 26.09.2023 regarding quantity of mineral excavated and last permit issued and submitted herewith. Quantity excavated 03.02.2016 to 02.02.2021 = 540.184m ³ Last permit issued on = 14.08.2020
2	Justification for increase in recovery to 40%	The anticipated recovery percentage is 20% during the initial plan period of 2016-2021 as only development activities such as


MEMBER SECRETARY
SEAC -TN

47

CHAIRMAN
SEAC- TN


		<p>removal of overburden and formation of accessible haul roads have taken place during the year of 2016-17. However, the recovery of 32% was achieved in 2017-2018 due to formation characteristics, i.e., the entire formation is sheet rock and possessing less fracture & fracture.</p> <p>Hence, the recovery percentage has now been increased to 40% considering the existence of geological factors. The same has been discussed in the Scheme of Mining Plan prepared for the plan period ie., 2016 – 2017 to 2020 – 2021 (Page No:2).</p>
3	Copy of Valid Mining plan/1 st Scheme of Mining along with approval Letter	<p>Mining Plan was approved by State Geology and Mining Guindy, Chennai (2016 – 2017 to 2020 – 2021) Letter No. 7358/MM2/2015 dated 13.11.2015</p> <p>1st Scheme of Mining plan (2021 – 2022 to 2025 – 2026) approved by Commissioner of Geology and Mining Guindy, Chennai vide Letter No. 7174/MM2/2020 dated 13.12.2021.</p>


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

4	Recently issued Certified Compliance Report	Proponent obtained Certified Compliance Report from the Regional Office, MoEF & CC Chennai vide Letter No E.P.12.1/2021-22/SEIAA/40/TN/083 Dated 23.01.2022.
---	---	--

The SEAC carefully examined the reply furnished by the PP and decided to reiterate the recommendations already made in the 379th meeting of SEAC held on 12.05.2023.

Agenda No: 423- 15

(File No: 6464/2022)

Existing Multicolor Granite quarry lease over an extent of 8.96.6 Ha in S.F. Nos. 348/1(P), 348/2(P), 348/5, 348/6, 349/1, 349/3,349/4,350/1, 350/2, 350/3, 350/5(P) & 350/6, Karapadi Village, Sathyamangalam Taluk, Erode District by M/s. Meenakshi Granites - For extension of Environmental Clearance. (SIA/TN/MIN/302867/2023 Dt: 03/08/2023)

The proposal was placed in the 661st meeting of SEAC held on 09.10.2023 & 10.10.2023. The Authority noted that the PP has applied seeking extension of validity of Environmental Clearance dated 12.03.2018 quoting MoEF & CC O.M dated 13.12.2022 and furnishing valid scheme of mining. The Authority decided to request the Member Secretary to place the subject before SEAC for appraisal.

Hence the proposal was taken up for appraisal in this 423rd meeting of SEAC held on 15.11.2023. The project proponent made a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, M/s. Meenakshi Granites has applied seeking extension of validity of Environmental Clearance issued vide SEIAA Lr. No. SEIAA-TN/F.No.6464/2017/1(a)/EC.No.3970/2018 dated 12.03.2018 under B2 category for the Multicolor Granite quarry lease over an extent of 8.96.6 Ha in S.F. Nos. 348/1(P), 348/2(P), 348/5, 348/6, 349/1, 349/3,349/4,350/1, 350/2, 350/3, 350/5(P) & 350/6, Karapadi Village, Sathyamangalam Taluk, Erode


MEMBER SECRETARY
SEAC -TN

49

CHAIRMAN
SEAC- TN



District.

2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended. The SEAC observed the MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, states that,

".....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 SEAC decided that, as per the above notification, the Environmental Clearance issued vide SEIAA Lr. No. SEIAA-TN/F.No.6464/2017/1(a)/EC.No.3970/2018 dated 12.03.2018 is valid upto 11.03.2024. All the other conditions mentioned in SEIAA Lr. SEIAA-TN/F.No.6464/2017/ 1(a)/EC.No.3970/2018 dated 12.03.2018 remain unaltered.

Further the SEAC decided that the PP shall apply afresh for Environmental Clearance, as there is a change in cluster category, under B1 category as the mine lease area is 8.96.6 Ha.


Agenda No: 423- 16


(File No: 9947/2023)

Existing Devarmalai Limestone Mine over an area of 166.535Ha in Devarmalai and Melapagudi villages, Kulilthalal Taluk, Karur District, Tamil Nadu by M/s. Chettinad Cement Corporation Private Limited- Extension of validity of Environmental Clearance. (SIA/TN/MIN/414400/2023 dated 18.03.2023)

The subject was earlier placed in the 384th meeting of SEAC held on 15.06.2023 and the Committee observed that the Project Proponent vide letter dated 15.06.2023 has reported the following:

We, Chettinad Cement Corporation Private Limited were granted environmental clearance for our Devarmalai Limestone Mine over an area of 166.535Ha for


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC-TN

producing 8.0 lakh TPA of limestone in Devarmalai and Melapagudi villages. Kulilthalai Taluk, Karur District, Tamil Nadu J-11015/414/2006-IA.11(M) dated 12.09.2007.

At the time of grant of EC, Reserves in approved mining plan was 12.653 Million Tons based on which, the life of mine is mentioned in preamble of EC as 16 years as per then approved Mining Plan (Based on the exploration level carried out as on 2007 & 0.8 Million Tons per annum production level).

Subsequent to the approved mining plan obtained in 2007, we had carried out Exploration and UNFC reserves increased from 12.653 Million Tons to 47.66 Million Tons. Hence our Mine life based on approved mining plan is around 59.5 years. As per the MOEFCC notification dt 12, Apr 2022 "The prior Environmental Clearance granted for mining projects shall be valid for the project life 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"

With reference to above notification, our current EC is valid for 30 years i.e., from 12.09.2007 to 11.09.2037 based on the mine life calculated as per reserves proved in the current approved mining plan. As such, we requested for amendment of mine life mentioned in the existing EC and Validity of the EC upto 11.09.2037.

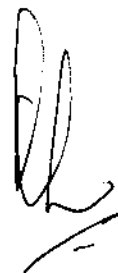
But our Current Approved Mining plan period is valid upto March 2024. We are in the process of obtaining approval for review the Mining plan for a further period of five year i.e., upto March 2029. We are in the application stage. Hence, we would like to reapply later after obtaining approval of Review of Mining plan for the period upto March 2029.

In the view of above, we would like to withdraw the application (Proposal No: SIA/TN/MIN/414400/2023, SEIAA File No 9947). Based on the above, we


MEMBER SECRETARY
SEAC -TN

51

CHAIRMAN
SEAC- TN



would like to intimate that we are not attending the scheduled SEAC appraisal of the above said proposal planned on 16.06.2023 Sl. No 19.

Kindly consider the above request and consider our withdrawal proposal and return our application.

The Committee, therefore, decided to defer the proposal to allow SEIAA to consider the withdrawal request of the Project Proponent.

Subsequently the subject was placed in the 634th meeting of Authority held on 28.06.2023. The Authority, after detailed discussions decided to consider the withdrawal request of the Project Proponent after the present mine plan period and to instruct the Project Proponent to submit the next scheme of mining duly approved by the Competent Authority along with latest CCR after the current mining plan period.

The PP furnished reply and hence the subject was taken up for discussion in this 661st meeting of SEAC held on 09.10.2023 & 10.10.2023. The Authority noted that the PP has not furnished the details sought in his letter dated 10.08.2023. Hence the Authority decided to refer back the subject to SEAC stating that SEAC may call for the CCR and other prime documents needed for accepting the withdrawal request.

Hence the subject was taken up for discussion in this 423rd meeting of SEAC held on 15.11.2023 and the Committee observed that the Project Proponent vide letter dated 07.11.2023 has requested additional time to submit the details sought by the Authority. Hence the SEAC decided to defer the proposal to a later date.

Agenda Item No: 423 - 17

File No: 10437/2023

Proposed Rough Stone quarry over an extent of 2.50.0 Ha of Government land in S.F.Nos. 1372/1(Part-4), of Kamayagoundanpatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu by M/s. Annai Therasa Kalludaikkum Mahalir Nala Munnetra Sangam- For Terms of Reference. (SIA/TN/MIN/445923/2023, 26/09/2023)

The proposal was placed in this 423rd meeting of SEAC held on 15.11.2023. The Project Proponent made a detailed presentation on the proposed project. The details of the


MEMBER SECRETARY
SEAC -TN

52


CHAIRMAN
SEAC- TN

project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The SEAC noted the following among other things:

1. The Project Proponent, M/s. Annai Therasa Kalludaikkum Mahalir Nala Munnetra Sangam has applied seeking Terms of Reference for EIA study for the proposed Rough Stone quarry over an extent of 2.50.0 Ha of Government land in S.F.Nos. 1372/1(Part-4), of Kamayagoundanpatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006 as amended.
3. Mine plan period is approved for 5 years. The approved production is 188331m³ of Rough stone and the ultimate depth is 85m (70m AGL+ 15m BGL) m. The annual peak production shall not exceed 43180 m³ of Rough stone.
4. Existing pit with dimensions of L111m x W46m x D20m reported in the approved mine plan.
5. The DFO, Theni in his letter dated 10.12.2020 addressed to the District Collector, Theni has informed that this project site is located at a distance of 502m away from the eco-sensitive zone of Megamalai Wildlife Sanctuary.

Based on the document and details furnished by the project proponent, SEAC decided to grant Terms of Reference (ToR) with Public Hearing subject to the following ToRs, in addition to (i) the standard terms of reference for EIA study shown in Annexure-I and (ii) the Standard ToR for non-coal mining projects and details issued by the MoEF&CC to be included in EIA/EMP Report:

1. The Proponent shall justify the selection of the site for carrying out the stone quarrying with the total volume arrived for the excavation & production adequate details such as lithology of the deposit, reserve estimation, place for waste dump/mined mineral storage, end-use of mined materials, identified potential customers/end-users and travel path.
2. The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m with details such as dwelling houses with number of occupants.


MEMBER SECRETARY
SEAC -TN

53

CHAIRMAN
SEAC- TN


whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc with indicating the owner of the building, nature of construction, age of the building, number of residents, their profession and income, etc.

3. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc located within 1 km of the proposed quarry.
4. 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.
5. The Proponent shall carry out Bio diversity study through Department of Ecology and Environmental Sciences, Pondicherry University and the same shall be included in EIA Report.
6. 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.

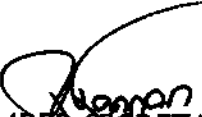
Agenda Item No: 423 - 18

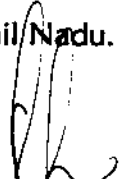
File No: 10444/2023

Proposed Rough Stone and Gravel quarry over an extent of 2.42.63 Ha of Patta land in S.F.Nos. 75/1,75/4,75/5,75/6 and 76/3B2 Eraiyur Village, Vanur Taluk, Viluppuram District, Tamil Nadu by Thiru A. Veeraragavan- For Terms of Reference. (SIA/TN/MIN/446038/2023, 27/09/2023)

The proposal was placed in this 423rd meeting of SEAC held on 15.11.2023. The Project Proponent made a detailed presentation on the proposed project. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The SEAC noted the following among other things:

1. The Project Proponent, Thiru A. Veeraragavan has applied seeking Terms of Reference for EIA study for the proposed Rough Stone and Gravel quarry over an extent of 2.42.63 Ha of Patta land in S.F.Nos. 75/1,75/4,75/5,75/6 and 76/3B2 Eraiyur Village, Vanur Taluk, Viluppuram District, Tamil Nadu.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006 as amended.
3. Mine plan period is approved for 5 years. The approved production is 156265m³ of Rough stone and 31334 m³ of Gravel and the ultimate depth is 32m BGL. The annual peak production shall not exceed 35195m³ of Rough stone and 12334 m³ of Gravel.
4. The SEAC further noted that a portion of the project site on northern side has been used as dumping site for the adjacent quarry.

Based on the document and details furnished by the project proponent, SEAC decided to grant Terms of Reference (ToR) with Public Hearing subject to the following ToRs, in addition to (i) the standard terms of reference for EIA study shown in Annexure-I and (ii) the Standard ToR for non-coal mining projects and details issued by the MoEF&CC to be included in EIA/EMP Report:

1. The Proponent shall justify the selection of the site for carrying out the stone quarrying with the total volume arrived for the excavation & production adequate details such as lithology of the deposit, reserve estimation, place for waste dump/mined mineral storage, end-use of mined materials, identified potential customers/end-users and travel path.
2. The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc with indicating the owner of the building, nature of construction, age of the building, number of residents, their profession and income, etc.
3. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc located within 1 km of the proposed quarry.
4. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between


MEMBER SECRETARY
SEAC -TN

55

CHAIRMAN
SEAC- TN



the adjacent quarries & water bodies nearby provided as per the approved mining plan.

5. The PP shall carry out a detailed hydrogeological study to spell out the water management plan for the proposed site.
6. The Proponent shall carry out Bio diversity study through Department of Ecology and Environmental Sciences, Pondicherry University and the same shall be included in EIA Report.
7. 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.


Agenda Item No: 423 - 19

File No: 104587/2023

Existing Rough Stone and Gravel quarry over an extent of 2.00.21 Ha of Patta land in S.F.Nos. 441/A1(P), A2(P), A3(P) & A4(P) Keeranur Village, Kangatam Taluk, Tiruppur District, Tamil Nadu by Thiru. B. Vishnu Kumar- For Terms of Reference. (SIA/TN/MIN/446654/2023, 06.10.2023)

The proposal was placed in this 423rd meeting of SEAC held on 15.11.2023. The Project Proponent made a detailed presentation on the proposed project. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The SEAC noted the following among other things:

1. The Project Proponent, Thiru. B.Vishnu Kumar has applied seeking Terms of Reference for EIA study for the proposed Rough Stone and Gravel quarry over an extent of 2.00.21 Ha of Patta land in S.F.Nos. 441/A1(P), A2(P), A3(P) & A4(P) Keeranur Village, Kangatam Taluk, Tiruppur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006 as amended.
3. Mine plan period is approved for 5 years. The approved production is 264320m³ of Rough stone and 30240 m³ of Gravel and the ultimate depth is 45m BGL. The annual peak production shall not exceed 61120m³ of Rough stone and 13680 m³ of Gravel.
4. The AD/Mines vide letter dated 04.09.2023 has reported that,


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

- The mine lease was previously issued to Tmt. B. Vijayalakshmi (previous lessee) vide Proceeding No: Rc.No.166/Mines/2011, Dated: 03.07.2012 and the lease period is from 03.07.2012 to 02.07.2017 at S.F.Nos 441/A1, 441/A2 & 441/A3 (Extent : 2.78.0 Ha). A penalty of Rs. 32,86,890/- has been levied and Tmt. B. Vijayalakshmi has remitted the penalty amount to the Government as detailed below:


Sl.No	Date	Amount Remitted (Rs.)
1.	27.09.2022	Rs. 2,00,000/-
2.	14.02.2023	Rs. 3,00,000/-
3.	11.08.2023	Rs. 31,82,890/-

- There is an existing pit with dimensions of L68m x W23m x D12m reported in the approved mine plan.

Based on the document and details furnished by the project proponent, SEAC decided to grant Terms of Reference (ToR) with Public Hearing subject to the following ToRs, in addition to (i) the standard terms of reference for EIA study shown in Annexure-I and (ii) the Standard ToR for non-coal mining projects and details issued by the MoEF&CC to be included in EIA/EMP Report:

- The Proponent shall justify the selection of the site for carrying out the stone quarrying with the total volume arrived for the excavation & production adequate details such as lithology of the deposit, reserve estimation, place for waste dump/mined mineral storage, end-use of mined materials, identified potential customers/end-users and travel path.
- The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc with indicating the owner of the building, nature of construction, age of the building, number of residents, their profession and income, etc.
- The PP shall submit a detailed hydrological report indicating the impact of


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN 

proposed quarrying operations on the waterbodies like lake, water tanks, etc located within 1 km of the proposed quarry.

4. 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.
5. The Proponent shall carry out Bio diversity study through Department of Ecology and Environmental Sciences, Pondicherry University and the same shall be included in EIA Report.
6. 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.

Agenda No. 423 - 20


(File No. 9687/2022)

Proposed Rough Stone and Gravel quarry over an extent of 3.08.0 Ha in S.F.No. 178/1B(P), 178/2A2(P), 178/2B(P), 179/3B(P) & 179/4B(P) of Ottapidaram Village, Ottapidaram Taluk, Thoothukudi District, Tamil Nadu by Thiru S. Pachaimal for Environmental Clearance. (SIA/TN/MIN/411892/2022, dated: 23.12.2022)

The proposal was placed in this 423rd Meeting of SEAC held on 03.08.2023. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, Thiru S. Pachaimal has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry over an extent of 3.08.0 Ha in S.F.No. 178/1B(P), 178/2A2(P), 178/2B(P), 179/3B(P) & 179/4B(P) of Ottapidaram Village, Ottapidaram Taluk, Thoothukudi District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for 5 years & production should not exceed 4,24,435cu.m. of Rough Stone and 17,278cu.m of Gravel. The annual peak production 87,270cu.m. of Rough Stone. The maximum depth of mining would be 40m BGL.
4. Earlier, the proposal was placed in the 365th Meeting of SEAC held on


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

24.03.2023. Based on the presentation and document furnished by the proponent, SEAC decided to call for additional details

1. There is a windmill installed at a distance of 90 m from the proposed mine lease area after the commencement of quarrying operations as per precise area communication letter issued vide Rc.G.M1/472/2016 Dated: 21.07.2022 and solar power plant located at a distance of 400m approximately as ascertained from the KML file uploaded by the proponent in Parivesh Portal.


Hence, the proponent was requested to carry out blast-induced vibration study & fly rock travel range distance and simulate the effects of blasting considering the structures (including windmill & solar panel) located at a distance of 50m, 100m, 200m, 300m and 500m from the proposed mine lease area, by involving any of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus and submit the report.

5. Subsequently, the proposal was again placed in the 397th SEAC meeting held on 03.08.2023. Based on the presentation and document furnished by the proponent, SEAC decided to call for additional details

1. The proponent shall furnish the Mining Plan duly approved by the Competent Authority after having incorporated all the suggestions/recommendations given in the study report.

Now, the proposal was again placed in the 423rd SEAC meeting held on 15.11.2023. Based on the presentation and documents furnished by the proponent, the committee noted as follows

1. The sensitive windmill structure is located at a distance of 90m from the proposed quarrying site.
2. Further, the PP had incorporated the suggestions/recommendations given in the study report in the approved mining plan with a modified mining methodology which was endorsed by the AD (Mines) as against the earlier proposed blasting.


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


3. As per the change in the methodology of mining indicated in the modified mining plan, it is observed that the usage of non-explosive 'Rock Breaking Compounds (RBC)' to be filled in the drilled holes of 32-34 mm dia for a duration of 8 to 10 hours to only create the necessary fractures/cracks in the hard Charnokite formation, followed by the usage of Rock Breakers to fragment the rock so as to facilitate the loading equipments/excavators. As a result, in practical sense, it is anticipated that there will be a considerable reduction in the volume of rock available for excavation.
4. However, the total volume of excavation and annual peak production capacity calculated by adopting the blasting technology as it was indicated in the previous Mining Plan has not been revised (or) changed with the adoption of the aforesaid 'Slow-process' Non-explosive rock fragmentation technique in the hard Charnokite formation, in the Modified Mining Plan.
5. The PP have not spell out the procurement, transportation, storage and safety precautions while using the aforesaid non-explosive 'Rock Breaking Compounds (RBC)' in the site.
6. The PP have not provided the letter of approval of using the aforesaid non-explosive 'Rock Breaking Compounds (RBC)' issued specifically to the above product by the Directorate General of Mines Safety (DGMS) for the safety concerns.


Under the above circumstances, Committee decided not to recommend the proposal for the aforementioned reasons.


Agenda No: 423 - 21

(File No: 8733/2023)

Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 2.48.0 Ha at S.F.No. 80/2B (P) & 81/2 (P) of Karunchamigoundenpalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Thiru. K. Vazhithotta Gounder - For Environmental Clearance. (SIA/TN/MIN/438293/2023, Dated: 27.07.2023)

The proposal was placed for appraisal in this 423rd SEAC meeting held on 15.11.2023. The details of the project furnished by the proponent are given in the


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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

1. The project proponent, Thiru. K. Vazhithotta Gounder has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 2.48.0 Ha at SF.No. 80/2B (P) & 81/2(P) of Karunchamigoundenpalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 2,58,755m³ of rough stone& 5,596m³ of Gravel. The annual peak production 77,940m³ of Rough Stone& 2,448m³ of Gravel. The ultimate depth of mining is 32m below ground level.
4. Earlier EC obtained vide Lr.No. SEIAA-TN/F.No.3731/EC/1(a)/2427/2015, Dated:24.11.2015 at S.F. No 80/2B & 81/2, Karunsamygoundenpalayam Village, Madukkarai Taluk, Coimbatore District for a quantity of 46,421 cu.m Rough Stone & 4,992 cu.m of Weathered Gravel for a depth up to 12m.
5. ToR issued vide - Lr No -SEIAA-TN/F.No.8733/SEAC/ToR-1051/2022, Dated: 31.01.2022.
6. Public hearing was conducted on Dated 19.04.2023.
7. Earlier, the proposal was again placed in the 410th SEAC meeting held on 22.09.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for additional details

1. The proponent shall submit Certified Compliance Report obtained from IRO, MoEF&CC, Chennai for the earlier obtained Environmental Clearance.


Hence, the proponent is advised to submit the additional documents/information as sought above within a period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.


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


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN



File No	8733/2023	Category	B1
	438293/2023		1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thiru. K. Vazhithotta Gounder S/o.Kanthasamy Gounder. No.2/170, Murugan Kovil Street, Palathurai, Madukkarai Taluk, Coimbatore District - 641105.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone & Gravel Quarry
3.	S.F Nos. of the quarry site with area break-up	:	80/2B(P) & 81/2(P)
4.	Village in which situated	:	Karunchamigoundenpalayam
5.	Taluk in which situated	:	Madukkarai
6.	District in which situated	:	Coimbatore
7.	Extent of quarry (in ha.)	:	2.48.0Ha
8.	Latitude & Longitude of all corners of the quarry site	:	10°51'35.03"N to 10°51'43.94"N 76°55'41.79"E to 76°55'46.12"E
9.	Topo Sheet No.	:	58 - B/13
10.	Type of mining	:	Opencast Mechanized Mining
11.	Life of Project	:	5 years
	Lease Period	:	5 years
	Mining Plan Period	:	5 years
12.	Mining Plan Details	:	As per approved Mining Plan As modified by SEAC


MEMBER SECRETARY
SEAC -TN



CHAIRMAN
SEAC- TN


	Geological Resources m ³ (RoM)	:	Rough Stone 8.23,620m ³ Gravel 12,533m ³	Rough Stone - Gravel -
	Minable Resources m ³ (RoM)	:	Rough Stone 3,13,815m ³ Gravel 5,596m ³	Rough Stone 2,58,755m ³ Gravel -
	Annual Peak Production in m ³	:	Rough Stone 77,940m ³ Gravel 2,448m ³	Rough Stone - - -
	Maximum Depth in meters	:	42m (2m Gravel + 40m Rough stone)	32 m (2 m Gravel + 30 m Rough stone)
13.	Depth of water table	:	65m in rainy & 70m in summer season	
14.	Man Power requirement per day:	:	32 Nos	
15.	Water requirement: 5. Drinking & utilized water 6. Dust suppression 7. Green belt	:	4.5 KLD 1.0 KLD 2.0 KLD 1.5 KLD	
16.	Power requirement	:	TNEB 2,51,986 Ltrs of HSD	


 MEMBER SECRETARY
 SEAC -TN

CHAIRMAN
 SEAC- TN


17.	Precise area communication approved by the Assistant Director, Dept of G&M	:	Na.Ka.No.240/Kanimam/2020, dated: 11.12.2020		
18.	Mining Plan approved by Assistant Director, Dept of Geology & Mining.	:	Rc.No.240/Mines/2020, dated: 02.03.2021		
19.	Department of G&M, Assistant Director, 500m Cluster Letter	:	Rc.No.240/Mines/2020, dated: 02.03.2021		
20.	VAO Certificate Regarding Structures within 300m Radius	:	VAO letter dated. 07.01.2021.		
21.	Project Cost (excluding EMP cost)	:	Rs. 58,62,000		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Gravel
			Max Total RoM in m ³	2,58,755 m ³	5,596m ³
			Annual Max RoM in m ³	77,940 m ³	2,448m ³
	Max Depth in mtrs	32m (2m Gravel + 30m Rough stone)			
23.	EMP cost (in Rs. Lakhs).	:	Capital Cost – Rs. 27,54,600 Recurring Cost – Rs. 18,63,873		
24.	ToR issued Details	:	Lr.No. SEIAA-TN/F.No.8733/SEAC/ToR-1051/2022 Dated: 31.01.2022.		
25.	Public Hearing conducted on	:	19.04.2023.		



MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

26.	EIA report submitted on		27.07.2023
27.	CER cost (in Rs. Lakhs).	:	Rs. 5.00,000

Now, the proposal was again placed in the 423rd SEAC meeting held on 15.11.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding an annual peak production of 77,940 m³ of Rough Stone by maintaining the ultimate depth of mining up to 32m (2m Gravel + 30m Rough stone) and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds.
3. The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority to store only the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008 before the execution of the lease.
4. The PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground & noise from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN



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

5. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 3rd year or when the depth exceeds 30m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
6. As a part of Ground Water Management, the PP shall carry out the scientific studies to assess the existing hydrogeological condition and impacts of the quarrying operation on the ground water level present in the core zone, within 2 years from the commencement of mining operations, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
7. As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Middle School, Palathurai, Madukkarai, Coimbatore District before obtaining CTO from TNPCB.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No: 423 – 22 (File No: 10438/2023)

Proposed Rough Stone quarry lease over an extent of 2.70.0 Ha at S.F.Nos. 136 (Part-12) of Venkatesapuram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. S.V. Blue Metals - For Terms of Reference. (SIA/TN/MIN/ 431064 /2023, Dated: 27.05.2023)

The proposal was placed for appraisal in this 423rd SEAC meeting held on 15.11.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, M/s. S.V. Blue Metals has applied for Terms of Reference for the Proposed Rough Stone quarry lease over an extent of 2.70.0 Ha at S.F.Nos. 136 (Part-12) of Venkatesapuram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Schedule 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Now, the proposal was placed in the 423rd SEAC meeting held on 15.11.2023. Based on the presentation and document furnished by the proponent, SEAC noted that

1. Habitations including the Poultry farms are located within 300m radius in the western direction.
2. A school is located at a distance of 216 m (within 500m radius) from the proposed mine lease area in the western direction.

Hence, this proposal attracts the following legal implications:

- (i) Under the provisions of Tamil Nadu Minor Mineral Concession Rules, 1959, Rule 36 (1-A) (a) says

"... No lease shall be granted for quarrying stone within 300 meters (three hundred meters) from any inhabited site: Provided that the existing quarries which are subsisting under current leases shall be entitled for continuance till the expiry of the lease period. The lessees whose quarries lie within a radius of 300 metres from the inhabited site shall undertake blasting operations only after getting permission of the Director of Mines Safety, Chennai".

Similarly, Rule 36 (1-A) (c) also indicates


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


".... No new layout, building plans falling within 300 metres from any quarry should be given approval by any agency unless prior clearance of the Director of Geology and Mining is obtained. On receipt of proposals for according clearance, the Director of Geology and Mining (DGM) shall decide upon the continuance or closure, as the case may be of any quarry which is situated within 300 metres from the now layout, building sought for such clearance...."

- (ii) As per Directorate General of Mines Safety circular no. - DGMS (SOMA)/ (Tech) Cir No. 2 of 2003 Dt. 31/01/2003, on subject of Dangers due to blasting projectiles, all places within the radius of 500 m from the place of firing to be treated as danger zone which states that


"...Under the existing provisions of the Metalliferous Mines Regulations, 1961, before a shot is charged, stemmed or fired the shotfirer/blaster required, amongst other things to ensure that all persons within a radius of 300m from the place of firing (referred to hereinafter as danger Zone) have taken proper shelter, apart from giving sufficient warning by efficient signals or other means approved by the manager over the entire zone..."


"....There had been, however, a number, of instances where flying fragments due to blasting had ejected not only within but also beyond the danger Zone, resulting into serious and even fatal accidents...."

"...In the interest of safety to treat all the places within a radius of 500 mt. of the place of firing as the danger zone, all persons who are required to remain within the danger zone at the time of blasting should take protection in substantially built shelter..."

The SEAC has observed that the above 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 considering the safety concerns of public.

In view of the above reasons, the SEAC decided that grant of Environmental Clearance for this proposal will be detrimental to environment in this area and consequently decided not to recommend issue of Environmental clearance to this proposal.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

Agenda No: 423 - 23

(File No: 10473/2023)


Proposed Colour Granite quarry lease over an extent of 3.46.0 Ha at S.F.Nos. 10 (Part) of Pasinayanapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by M/s. Pranita Granites - For Terms of Reference. (SIA/TN/MIN/448443/2023, Dated: 11.10.2023)

The proposal was placed for appraisal in this 423rd SEAC meeting held on 15.11.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, M/s. Pranita Granites has applied for Terms of Reference for the Proposed Colour Granite quarry lease over an extent of 3.46.0 Ha at S.F.Nos. 10 (Part) of Pasinayanapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Schedule 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 20 years. The mining plan is for 5 years & production should not exceed RoM – 1,38,645 m³, Granite (Recovery @ 20%) – 27,729 m³ & Granite waste @ 80% – 1,10,916 m³. The annual peak production is 27,720m³ of RoM & 5,547 m³ of Granite. The ultimate depth of mining is 50m (7m – AGL + 43m BGL).

Now, the proposal was placed in the 423rd SEAC meeting held on 15.11.2023. Based on the presentation made by the proponent SEAC recommended grant of Terms of Reference (TOR) with Public Hearing, subject to the following TORs as per the Annexure I of this minute, 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 a letter from AD/Mines regarding the existing pit conditions within the proposed mine lease area.
2. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc located within 1 km of the proposed quarry.


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


3. 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.
4. The Proponent shall carry out Bio diversity study through the reputed institutions such as Department of Ecology and Environmental Sciences, Pondicherry University, TN Agricultural University and the same shall be included in EIA Report.
5. 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.
6. The PP shall submit the 'Action Plan' on the issues raised during the Public Hearing with budgetary provisions for the same.
7. The PP shall submit the action plan for the controlled blasting measures so as to reduce the impacts due to the blasting operation in the proposed quarries within 1 km of the proposed quarry.

Agenda No:423-24

(File No: 10075/2023)

Proposed Rough stone quarry lease over an extent of 3.00.0 Ha at S.F.No. 202/1 (Part-B) of Kondappanayanapalli Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. Shri Venkateshwara Blue Metals - For Terms of Reference.

(SIA/TN/MIN/431066/2023, Dated: 27.05.2023)

The proposal is placed for appraisal in the 423rd meeting of SEAC held on 15.11.2023. The details of the project furnished by the proponent are available on the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, M/s. Shri Venkateshwara Blue Metals has applied for the Terms of reference for the Proposed Rough stone quarry lease over an extent of 3.00.0 Ha at S.F.No. 202/1 (Part-B) of Kondappanayanapalli Village, Krishnagiri Taluk, Krishnagiri 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.


MEMBER SECRETARY
SEAC -TN

70


CHAIRMAN
SEAC- TN

3. Earlier, the proposal was placed for appraisal in the 392nd SEAC meeting held on 14.07.2023 during which the proponent was absent. Hence, the subject was not taken up for discussion.
4. Subsequently, the proponent has submitted a request to withdraw the proposal stating that the quantity is very less in the quarry.
5. The proposal was placed in the 663rd authority meeting held on 18.10.2023. The Authority, during deliberations noted that earlier the proponent has obtained EC from DEIAA vide Lr.No.03/DEIAA-KGI/EC No.75/2018 dated.27.08.2018. Hence, the authority decided that the SEAC shall review the earlier mining details including details of last permit, last date of mining activity, violations if any, etc., and furnish remarks on the proponent's withdrawal request.
6. In view of the above, the proposal is placed in this 423rd SEAC meeting.

During the meeting, the Committee noted that the proponent has not furnished details regarding earlier mining activity. Hence, the Committee decided to call for the following details from the project proponent:

- i) The proponent shall furnish details on the earlier mining activity including the details of last permit obtained, last date of mining activity, violations if any, etc.


On receipt of the same, further deliberations will be done. Hence, the proponent is advised to submit the additional documents/ information as sought above within a period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.

Agenda No:423-25


(File No: 10123/2023)

Proposed Rough Stone and Gravel Quarry lease over an extent of 1.76.0 Ha (Patta Land) at S.F.Nos. 353/2 & 354 of Periyapatti Village, Namakkal Taluk, Namakkal District, Tamil Nadu by Tmt. A. Indira – For Environmental Clearance. (SIA/TN/MIN/432646/2023 dated:09.06.2023)

The proposal is placed for appraisal in this 423rd meeting of SEAC held on 15.11.2023. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).



MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN



The SEAC noted the following:

1. The project proponent, Tmt. A. Indira has applied for the Environmental Clearance Proposed Rough Stone and Gravel Quarry lease over an extent of 1.76.0 Ha (Patta Land) at S.F.Nos. 353/2 & 354 of Periyapatti Village, Namakkal Taluk, Namakkal District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proponent has filed an application at SEIAA-TN seeking Environmental Clearance vide Proposal No.4739/2015 (Online No. SIA/TN/MIN/32092/2015 dated.24.10.2015).
4. During scrutiny, it was noted that the proponent was directed to submit the proposal to MoEF&CC as per the S.O.804(E) dated.14.03.2017.
5. However, the PP have informed that the aforesaid application submitted on 24.10.2015 had been transferred to the DEIAA from the SEIAA.
6. Later, the proponent has obtained Environmental Clearance from DEIAA, Namakkal vide Lr.No. DEIAA-NMK-TN/ F.No.259/Mines/01/EC.No.01/2017 dated.07.07.2017.
7. Further, from the documents submitted by the proponent in the PARIVESH Portal, it was ascertained that a penalty of Rs.13,14,526/- was levied against the project proponent by the Revenue Divisional Officer, Namakkal for carrying out the quarrying operations in the safety area for a quantum of 3,272 m³ of Gravel and 20,450 m³ of Rough stone. The PP has accepted the decision.
8. The PP have obtained the extension of lease for one year (i.e., upto 28.08.2023) from the office of CGM, Chennai for non-operation period due to COVID 19 vide Rc No. 688/MM1/2023, dated. 31.01.2023 without affecting the environmental clearance obtained earlier for this lease.
9. The PP have mined out the quantity of both Gravel and Rough stone within the quantity as stipulated in the prior EC obtained from the EC but the depth has been exceeded in one part of the mine for 29 m against the permitted depth of 27m.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

10. Earlier, the proposal was appraised in the 401st SEAC meeting held on 16.08.2023.

It has been observed from the presentation and KML file that many permanent and temporary structures are existing within a radial distance of 500m from the lease boundary.

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

- i) Details on the existence of schools (both Govt. & Private schools) and any other sensitive structures including temples, etc., in the vicinity of the existing quarry site and detail the impact of mining activities & mitigation measures for protecting these structures.
 - ii) Details of EC violation by way of exceeding the prescribed depth and for mining in the safety area.
11. On receipt of the reply from the proponent, the proposal was again placed in this 423rd SEAC meeting.

Based on the presentation and details furnished by the project proponent, the Committee noted the following:

1. A Private Senior Secondary School with a student population of about 400 is located at a distance of 340m from the proposed project site.
2. Further, Poultry farms and other structures are located within a radius of 500m from the project site.
3. Further, the proponent has not carried out the mining operation systematically as she has encroached outside the lease area and also has exceeded the depth against the specified depth in earlier EC causing environmental degradation.

In view of the above, the Committee decided not to recommend the proposal for grant of Environmental Clearance. Further, SEAC decided that the SEIAA may initiate action under Sec.19 of EP Act against the PP for violating the provisions of EP Act by exceeding the depth specified in EC and also by mining outside the lease area.


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN 

Agenda No:423-26 (File No: 10439/2023)

Proposed Rough Stone and Gravel Quarry lease over an extent of 2.62.00 Ha at S.F.Nos. 102/1A, 102/1B, 102/1C, 102/1D, 102/1E, 102/1F, 102/1G, 102/1H, and 102/1I of Lekkanayakkanpatti Village, Marungapuri Taluk, Tiruchirappalli District, Tamil Nadu by Thiru. R. Arumugam – For Terms of Reference. (SIA/TN/MIN/445806/2023 dated:25.09.2023)

The proposal is placed for appraisal in this 423rd meeting of SEAC held on 15.11.2023. The details of the project furnished by the proponent are available on the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, Thiru. R. Arumugam has applied for Terms of Reference for the Proposed Rough Stone and Gravel Quarry lease over an extent of 2.62.00 Ha at S.F.Nos. 102/1A, 102/1B, 102/1C, 102/1D, 102/1E, 102/1F, 102/1G, 102/1H, and 102/1I of Lekkanayakkanpatti Village, Marungapuri Taluk, Tiruchirappalli 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 production for 5 years not to exceed 2,06,540m³ of rough stone and 38,752m³ of gravel upto the depth of 17m below ground level.

Based on the presentation made by the proponent, SEAC decided to recommend the proposal for Terms of Reference (TOR) with Public Hearing subject to the following additional TORs & ToRs in Annexure of this minutes, 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 Project Proponent shall furnish the revised EMP based on the study carried out on impact of the dust & other environmental impacts due to proposed quarrying operations on the nearby agricultural lands for remaining life of the mine in the format prescribed by the SEAC considering the cluster situation.
2. The PP shall provide the mitigation measures for the reserve forest located at a distance of 236 m from the mine boundary during the time of appraisal for obtaining the EC.


MEMBER SECRETARY
SEAC -TN

74


CHAIRMAN
SEAC -TN

ANNEXURE-I

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

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

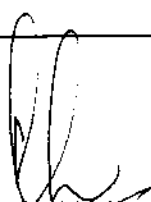

MEMBER SECRETARY
SEAC -TN

75

CHAIRMAN
SEAC- TN


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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

GRAVEL / RED EARTH & PEBBLES QUARRY – GENERAL CONDITIONS

1. The proponent shall mandatorily appoint the statutory competent persons and commence the quarry operations within the purview of Mines Act 1952.
2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
4. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short-Term Permit (STP). Query license or any other name.
5. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals.
6. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
7. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


8. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.
9. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
10. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
11. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
12. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
13. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

IRC Guidelines with respect to complying with traffic congestion and density.

14. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
15. The Project Proponent shall comply with the provisions of the Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
16. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
17. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCCB) by the proponent without fail.
18. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
19. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
20. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


Precise area communication letter issued by concerned District Collector should be strictly followed.

21. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
22. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
23. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

ROUGH STONE/JELLY/BLUE METAL QUARRY

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



MEMBER SECRETARY
SEAC -TN

81

CHAIRMAN
SEAC- TN


11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.

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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN


- 16) Perennial sprinkling arrangements shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
- 17) The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures are undertaken accordingly. The report on the periodic monitoring shall be included in the HYCR.
- 18) Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
- 19) The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
- 20) Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
- 21) **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.

- 22) The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 30 to 40 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting.
- 23) The PP shall also ensure that the blasting operations are not carried out on a 'day after day' basis and a minimum 24 hours break should be observed between blasting days to reduce the environmental impacts effectively.
- 24) If 'Deep-hole large diameter drilling and blasting' is required, then the PP shall obtain special permission from DGMS.
- 25) The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
- 26) The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
- 27) The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan & the approved Mine Closure Plan.
- 28) Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
- 29) The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body

should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.

- 30) The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
- 31) The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
- 32) To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
- 33) The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
- 34) The project proponent shall ensure that the provisions of the MMDR Act, 1957 & the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
- 35) The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN 


- 36) The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
- 37) All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
- 38) That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
- 39) As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.
- 40) The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
- 41) As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.



MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED IN CLOSE PROXIMITY TO THE WINDMILLS

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


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN 

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

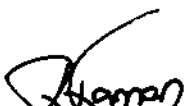

 MEMBER SECRETARY
 SEAC -TN



 CHAIRMAN
 SEAC- TN

TERMS OF REFERENCE (ToR) FOR GRANITE / ROUGH STONE QUARRY

1. In the case of existing/operating mines, a letter obtained from the concerned AD (Mines) shall be submitted and it shall include the following:
 - (i) Original pit dimension
 - (ii) Quantity achieved Vs EC Approved Quantity
 - (iii) Balance Quantity as per Mineable Reserve calculated.
 - (iv) Mined out Depth as on date Vs EC Permitted depth
 - (v) Details of illegal/illicit mining
 - (vi) Violation in the quarry during the past working.
 - (vii) Quantity of material mined out outside the mine lease area
 - (viii) Condition of Safety zone/benches
 - (ix) Revised/Modified Mining Plan showing the benches of not exceeding 6 m height and ultimate depth of not exceeding 50m.
2. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.
3. The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc with indicating the owner of the building, nature of construction, age of the building, number of residents, their profession and income, etc.
4. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc are located within 1 km of the proposed quarry.
5. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.

6. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
7. 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 the PP shall carry out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus. The PP shall submit a copy of the aforesaid report indicating the stability status of the quarry wall and possible mitigation measures during the time of appraisal for obtaining the EC.
8. However, in case of the fresh/virgin quarries, 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.
9. 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.
10. 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.
11. 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

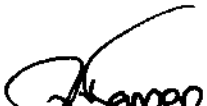
12. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines.
13. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
14. Quantity of minerals mined out.
 - Highest production achieved in any one year
 - Detail of approved depth of mining.
 - Actual depth of the mining achieved earlier.
 - Name of the person already mined in that leases area.
 - If EC and CTO already obtained, the copy of the same shall be submitted.
 - Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
15. 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).
16. The PP shall carry out Drone video survey covering the cluster, green belt, fencing, etc.,
17. 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.
18. 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.

19. 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 the 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.
20. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of groundwater 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.
21. 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.
22. 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.
23. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
24. 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.
25. 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.
 26. 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.
 27. 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.
 28. Impact on local transport infrastructure due to the Project should be indicated.
 29. 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.
 30. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
 31. 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.
 32. 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.

33. Taller/one year old Saplings raised in appropriate size of bags, preferably ecofriendly 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
34. 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.
35. 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.
36. 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.
37. 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.
38. 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

39. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
40. 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.
41. 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.
42. 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.
43. 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.


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


Annexure II

Standard Environmental Clearance Conditions prescribed by MoEF&CC for Construction Projects.

1. Statutory Compliance:

1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
6. The project proponent shall obtain the necessary permission for drawing of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department and Civil Aviation


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Department shall be obtained, as applicable, by project proponents from the respective competent authorities.

9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.

10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

2. Air quality monitoring and preservation:

1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.

2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.

3. The project proponent shall install a system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM10 and PM25) covering upwind and downwind directions during the construction period.

4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

5. Sand, murrum, loose soil, cement, stored on site should be covered adequately so as to prevent dust pollution.

6. Wet jet shall be provided for grinding and stone cutting.


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN



7. Unpaved surfaces and loose soil should be adequately sprinkled with water to suppress dust.
8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
9. The diesel generator sets to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
11. For indoor air quality the ventilation provisions as per National Building Code of India.

3. Water Quality Monitoring and Preservation:

1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.
2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3. Total freshwater use shall not exceed the proposed requirement as provided in the project details.
4. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).

5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
6. At least 20% of the open spaces as required by the local building byelaws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rainwater harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rainwater harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total freshwater requirement shall

be provided. In areas where ground water recharging is not feasible, the rainwater should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.

13. All recharges should be limited to shallow aquifer.
14. No ground water shall be used during construction phase of the project.
15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).
17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed into municipal drain.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. Onsite sewage treatment of capacity of treating 100% wastewater to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated wastewater shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be taken to mitigate the odor problem from STP.

21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

4. Noise Monitoring and Prevention:

1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
2. Noise level survey shall be carried out as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of Half Yearly Compliance Report (HYCR).
3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

5. Energy Conservation Measures:

1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2. Outdoor and common area lighting shall be LED.
3. The proponent shall provide solar panels covering a minimum of 50% of terrace area as committed.
4. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting

design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

5. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
6. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building byelaws requirement, whichever is higher.
7. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building byelaws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

6. Waste Management:

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.

5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
 6. Any hazardous waste generated during construction phase shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
 7. Use of environmentally friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.
 8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September 1999 and amended from time to time. Ready mixed concrete must be used in building construction.
 9. Any wastes from construction and demolition activities related thereto shall be managed to strictly conform to the Construction and Demolition Rules, 2016.
 10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
7. Green Cover:
1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
 2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

3. Where the trees need to be cut with prior permission from the concerned local authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
5. A wide range of indigenous plant species should be planted as given in the Appendix-I, in consultation with the Government Forest/Horticulture Departments and State Agriculture University.

8. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
2. Vehicles hired to bring construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms

radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

9. Human Health Issues:

1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis.
6. A First Aid Room shall be provided in the project both during construction and operations of the project.

10. Corporate Environment Responsibility:

1. The PP shall complete the CER activities, as committed, before obtaining CTE.

2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of Half Yearly Compliance Report (HYCR).
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Half Yearly Compliance Report (HYCR).

11. Miscellaneous:

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in Tamil language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

4. The project proponent shall submit Half Yearly Compliance Reports (HYCR) on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The project proponent shall inform the Authority (SEIAA) of the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also during their presentation to the State Expert Appraisal Committee.
9. No further expansion or modifications to the plant shall be carried out without prior approval of the Authority (SEIAA).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Authority (SEIAA) may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Authority reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
13. The Regional Office of the MoEF&CC Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

Appendix - I
List of Native Trees Suggested for Planting

No	Scientific Name	Famil Name	Tamil Name
1	<i>Azadirachta indica</i>	Vilvam	விலவம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சரி, ஆனைக்குன்றம்
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurca</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சர்க்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon swietenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூலி
18	<i>Creteva adamsii</i>	Mavalingum	மாவிளங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உவா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காலை
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகையை
23	<i>Ficus amplissima</i>	Kalltchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்பூவாகை
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayih	ஆயா மரம், ஆயிலி
27	<i>Lanea coromandelica</i>	Odhiam	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விளா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	அம்பா, பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழமரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestris</i>	Eachai	எச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

MEMBER SECRETARY
SEAC -TN

108

CHAIRMAN
SEAC- TN

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

MEMBER SECRETARY
SEAC -TN

109

CHAIRMAN
SEAC- TN

Appendix -III


Display Board

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

-----சுரங்கம்

சுரங்கங்களில் சுவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/____, தேதியிடப்பட்டு சுற்றுச்சூழல் அனுமதி _____தேதி வரை செல்லத்தக்கதாக உள்ளது

பகலம் பகுதி வளர்ச்சி மேம்பாட்டுக்கான அடிக்கட்டு	சுவாரியின் எல்லைகளை அறிவிக்க வேண்டும்
நடப்பட்டுள்ள பராமரிக்கப்பட்ட வேளாண் மரங்கள் எண்ணிக்கை:	அடிக்கட்டுகளின் ஆழம் தளமாட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். காற்றில் மாக ஏற்படாதவாறு அடிக்கட்டுகளை மேற்கொள்ள வேண்டும். வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முகையாக தண்ணீர் வாய்க்கால்கள் மூலமாக அகலப்படுத்துவது தேவையாக வேண்டும். இரைச்சல் அளவைகள் குறைவாகவும் முன்புள்ள பகுதியை சுவாரியின் எல்லைகளை அறிவிக்க வேண்டும்.
அடிக்கட்டுகளில் வெடி வைக்கப்படுவது தடுக்கப்படும் மற்றும் அதன் பக்கங்களிலும் பாதுகாப்பு நடவடிக்கைகளை உண்டாக்க வேண்டும்.	
அடிக்கட்டுகளில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டி.பி.எஸ். (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	
அடிக்கட்டு விதிகள் 1988 க்கு அடிக்கட்டுகள் உள்ள பகுதிகளுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு கைதாழ்முகம் வழங்குவது வசதிகளை செய்ய தர வேண்டும்.	
மீளமை அல்லது பகுதிபகுதி வசதிகள் வாகனங்கள் செல்லும் சாலைகள் தொடர்பு நன்கு பராமரிக்க வேண்டும்.	
அடிக்கட்டுகளில் அகலும் உள்ள விவசாயப் பகுதிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் தகுந்த நீர் தரத்தினை தொடர்பு வசதிகளைக் கொண்டும்.	
அடிக்கட்டுகளில் கட்டிடப் பணிகளை எடுத்துச் செல்லும் போது மீளமை மக்களுக்கு எந்த சிமந்தினைகளும் ஏற்படுத்தாதவாறு பாதுகாப்பும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வகையில் வாகனங்கள் இயக்க வேண்டும்.	
அடிக்கட்டுகளில் முடிக்கப்பட்டவுடன் அடிக்கட்டு திட்டத்தில் உள்ளவாறு அடிக்கட்டுகளை மூட வேண்டும்.	
அடிக்கட்டு நடவடிக்கைகளை முடித்துவிட்டு அடிக்கட்டு பகுதி மற்றும் அடிக்கட்டு நடவடிக்கைகளை இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்ய தாண்டுகள் விவசாயிகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகலம்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாசியோஸ் (http://pasiosh.net.in) என்பது இணையதளத்தைப் பார்க்கவும். மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னைவில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டிய அலுவலகம்: 044 - 2822325 (அல்லது) துரிதமாக மாக கட்டுப்பாடு வாரியத்தின் மாகட்ட சுற்றுச்சூழல் பொறிபாளைய அலுவலகம்	


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN