

State Expert Appraisal Committee (SEAC)

Minutes of 402nd meeting of the State Expert Appraisal Committee (SEAC) held on 17.08.2023 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building & construction projects and Mining Projects.

Confirmation of Earlier Minutes

The minutes of the 401st SEAC meeting held on 16.08.2023 were circulated to the Members in advance and as there are no remarks, the Committee decided to confirm the minute.

Agenda No: 402-01

(File No: 10132/2023)

Proposed Rough Stone and Gravel Quarry over an extent of 0.98.0 Ha at S.F. No's: 642/2A (Part), 642/3A (Part), 642/3B (Part), 642/3C (Part) & 642/4 (Part) of Manjanaickenpatti Village, Kadavur Taluk, Karur District, Tamil Nadu by Thiru.C.Perumal -For Environmental Clearance. (SIA/TN/MIN/433210/2023, Dated:14.06.2023).

The proposal was placed in this 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.C.Perumal has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an extent of 0.98.0 Ha at S.F. No's: 642/2A (Part), 642/3A (Part), 642/3B (Part), 642/3C (Part) & 642/4 (Part) of Manjanaickenpatti Village, Kadavur 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.
3. Earlier, the project proponent has obtained EC from DEIAA vide Lr.No.DEIAA-DIA/TN/MIN/6337/2017-KRR/EC.No.51/2017/Mines dated: 02.08.2017 for the period of 5 years from the date of execution of the mining lease period, i.e., 16.08.2017.


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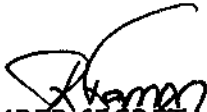

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4. Certified Compliance Report (CCR) obtained from IRO(SZ); MoEF&CC vide Lr. EP/12.1/2023-24/SEIAA/50/TN/880 Dt:21.07.2023.
5. This EC issued by the DEIAA has been filed before the SEIAA-TN for reappraisal in compliance to the order of the Hon'ble 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.
6. Existing Pit depth is 8m against the approved depth of 26m.
7. Transport permit letter from DD/AD (FAC) vide Rc.No. 629/mines/2022 Dt:14.08.2023 reveals that the transport permits issued for a quantity of 8551 m³ against the approved quantity of 1,01,406 m³.
8. 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 13580 m³ of Rough Stone & 2550 m³ of Gravel with ultimate depth of mining 13m BGL.

Based on the presentation and documents furnished by the project proponent, SEAC noted that there are structures and wind mills located in the danger zone of the proposed quarry. Hence, the Committee decided to call for certain additional particulars as follows.

- I. The PP shall furnish the letter received from DFO concerned stating the proximity details of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
- II. The proponent shall enumerate on the details of the structures located within 50m, 100m, 200m, 300m radius from the proposed mine lease area indicating the type of structure/building, usage/purposes of such building – commercial/industrial/residential/farmhouse/Govt. building such as Sub-station, occupants of such buildings/structures, ownership of the buildings/structures whether it belongs to the PP (or) not, etc.

On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.


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Agenda No: 402-02

(File No: 10150/2023)

Proposed Rough Stone Quarry over an extent of 2.00.0 Ha at S.F.No.692(Part) of Karuppur Village, Manapparai Taluk, Tiruchirappalli District, Tamil Nadu by Thiru.A.Selvaraj-For Environmental Clearance. (SIA/TN/MIN/433049/2023, Dated: 16.06.2023).

The proposal was placed in this 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.A.Selvaraj has applied for Environmental Clearance for the Proposed Rough Stone Quarry over an extent of 2.00.0 Ha at S.F.No.692(Part) of Karuppur Village, Manapparai Taluk, Tiruchirappalli District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of Five years & production should not exceed 85,050 m³ of Rough Stone with ultimate depth of mining 21m AGL (1m Topsoil +20m Rough Stone).

Based on the presentation made by the proponent, SEAC observed the following,

1. From the approved Mining Plan furnished by the PP, it is seen that there is top soil up to a depth of 1m and complete excavation of the top soil will be detrimental to the local ecology as well as to the nearby agricultural lands.
2. Further, the proposed mine lease area is abutting the Karuppur Reddiyapatti Reserve Forest.
3. The location forms foot of the hill and any mining activity in this area will turn have implications for the water flow and surface runoff.
4. Besides, the proposed quarrying site is an elevated small hillock with agricultural activities being carried out all around.
5. There are few numbers of farm houses / structures within 300 m.

The SEAC took note of the following:


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"Mountains, forests, hills, hillocks and rivers are Nature's gifts and it is the duty of the Government and the administration to ensure that they are preserved for future generations."

The Clause extracted from the 1972 Stockholm declaration adds that

"The natural resources of the earth, including the air, water, land, flora and fauna and especially representative samples of natural ecosystems, must be safeguarded for the benefit of present and future generations through careful planning or management, as appropriate..."

Further, the SEAC had understood from the Mining Plan/EMP submitted by the QP & EIA Coordinator that the quarrying activities are proposed in an ecologically fragile land carrying top soil of 1 m in thickness apart from abutting the reserve forest and hence it is concluded that the depletion of fertile topsoil will lead to environmental degradation to flora and fauna existing in and around the proposed site.

Therefore, based on the presentation and documents furnished by the proponent, SEAC after detailed discussions decided not to recommend this project proposal considering the environmental settings.

Agenda No: 402-03


(File No: 10156/2023)

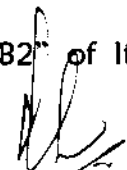
Proposed Rough Stone Quarry over an extent of 1.86.5Ha at S.F. No: 213 & 216/1 of Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu by Thiru. J. Panneerselvam-For Environmental Clearance. (SIA/TN/MIN/434059/2023, Dated:20.06.2023).

The proposal was placed in this 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. J. Panneerselvam has applied for Environmental Clearance for the Proposed Rough Stone Quarry over an extent of 1.86.5Ha at S.F. No: 213 & 216/1 of Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a)


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

3. Earlier, the project proponent has obtained EC from DEIAA vide Lr.No.02/DEIAA-DPI/EC.No.02/2018 dated: 29.06.2018 for the quantity of 145530 cu.m of Rough Stone upto a depth of 29m for the period of 5 years from the date of execution of the mining lease period.
4. Certified Compliance Report (CCR) obtained from IRO(SZ); MoEF&CC vide Lr. EP/12.1/2023-24/SEIAA/52/TN/910 Dt:28.07.2023, which states that "...During the site visit, the quarry is under operation."
5. Further, it is pertinent to observe that EIA Office memorandum F.No. IA3-22/11/2023-IA (E-208230), dated. 28.04.2023 and relevant part of the OM reads as under:

"...it has been decided that all valid ECs issued by DEIAA shall be reappraised through SEAC/SEIAA in compliance to the order of the Hon'ble NGT in O.A.142 of 2022. In view of above, it is hereby directed that all concerned SEACs shall re-appraise the ECs issued between 15.01.2016 and 13.09.2018 (including both dates) and all fresh ECs shall be granted only by SEIAAs based on such appraisal. The exercise shall be completed within a time period of one year from the date of issue of this OM. DEIAAs shall transfer all such files where ECs have been granted to concerned SEIAA within a time period of one month from issue of this OM....."

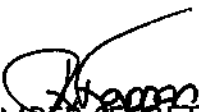
"...Environmental clearance was granted by DEIAA need to be brought in consonance with the directions given by the Hon'ble Supreme Court in Deepak Kumar (supra) and order dated. 13.09.2018 by this Tribunal in Satendra Pandey (supra) by re-appraisal by SEIAA and only such mining leases may be continued which have been on re-appraisal granted environmental clearance by SEIAA and after taking appropriate remedial action on the basis of such re-appraisal..."

Further, in order to have a uniform approach across the country for such appraisal, SEIAA shall scrutiny and appraise the proposals based on the checklist provided below:

- xi. Compliance of Hon'ble Supreme Court Judgement dated 02.08.2017 passed in Common Cause vs Union of India Writ Petition (C) 114 of 2014....."*

6. Based on the above, the PP should have stopped all the quarrying activity including excavation, transportation and dispatch of mineral/waste with effect from 28.05.2023, *i.e. to facilitate the PP for submitting the application with necessary documents to the SEIAA-TN and completion of statutory formalities pertaining to the discontinuance of mining operations in accordance with MMDR Act 1957 & Mines Act 1952, within one month of issue of EIA Office Memorandum F.No. IA3-22/11/2023-IA (E-208230), dated. 28.04.2023* and will continue to operate only after obtaining Environmental clearance from SEIAA-TN once completing the remedial actions based on such re-appraisal by SEIAA-TN.
7. But, it is further ascertained that the proponent has carried out mining operations in the safety zones and also outside the lease area during the earlier EC period while observing the KML file uploaded in the PARIVESH Portal and other documents submitted.
8. Existing Pit depth is 25m against the approved depth of 26m.
9. Transport permit letter from AD vide Rc.No. 166/mines/2023 Dt:16.06.2023 revealed that the transport permit were issued even upto 16.06.2023 with quantum of transport permit obtained for 53,310 Cu.m against the approved quantity of 1,45,530 Cu.m Rough Stone.
10. As per the mining plan the lease period is 5 years (2017-2022). The mining plan is for the period of Five years (2017-2022) & production should not exceed 145530m³ of Rough Stone with ultimate depth of mining 29m.

Therefore, based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (TOR) under Violation category, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. The grant of Terms of Reference (TOR) under Violation category does not entail EC which is subject to the outcome of the final


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orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.

1. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 prepared by the accredited consultants within a period of one year from the issue of this specific ToR, comprises of assessment of ecological damage for the project activities carried out during the violation period, and the remediation plan and natural & community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of Environmental Clearance.
2. As a part of procedural formalities as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017, the action will be initiated by the competent authority under section 15 read with section 19 of the Environment (Protection) Act, 1986 against violation.
3. Copy of valid mining lease approval obtained from the competent Authority.
4. A Letter from the concerned AD (Mines) stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date.

Agenda No: 402-04

(File No: 10162/2023)

Proposed Grey Granite Quarry over an extent of 1.56.5 Ha at S.F.Nos. 137/5(Part), 138(Part) & 492/2(Part) of Sivampatti & Pattrahalli Village, Bargur & Pochampalli Taluk, Krishnagiri District, Tamil Nadu by Thiru. M.Edward Rajapandian-For Environmental Clearance. (SIA/TN/MIN/433913/2023, Dated :20.06.2023).

The proposal was placed in this 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. M.Edward Rajapandian has applied for Environmental Clearance for the Proposed Grey Granite Quarry over an extent of 1.56.5 Ha at S.F.Nos. 137/5(Part), 138(Part) & 492/2(Part) of Sivampatti & Pattrahalli Village, Bargur & Pochampalli Taluk, Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.


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3. Lease granted for the period of 20 years from 25.06.2012 and valid up to 24.06.2032.
4. Earlier the project proponent has obtained EC from SEIAA vide Lr.No.SEIAA-TN/F.No.2520/EC/1(a)/2471/2015 dated. 15.09.2015 with the validity of EC co-terminating with the mining lease period.

EC granted details	Parameters achieved
<u>Quantity:</u> 1054 cu.m of Grey Granite (Recovery 20%) <u>Depth:</u> 10m	<u>Quantity:</u> 2292.992 cu.m of Grey Granite (Achieved 20-40%) <u>Depth:</u> 10m

5. As per the Mining plan submitted while applying for Environmental Clearance, the details of Recoverable Reserves, ROM & Granite Waste is as follows

1. Approved quantity-1054 CBM of Grey granite as per the mining plan.
2. ROM- 5270 CBM (Recoverable Reserves 1054 CBM & Granite waste 4216 - CBM)

In view of the above, it is noted that the project proponent has mined out the mineral within the ROM quantity as approved in the Mining Plan/Scheme without exceeding the total ROM excavation quantity for which already the EMP is in place. Besides, these quantities are accepted and approved in the current scheme of mining plan by the Competent Authority.

6. Certified Compliance Report (CCR) obtained from IRO(SZ); MoEF&CC vide Lr. EP/12.1/2023-24/SEIAA/62/TN/915 Dt:28.07.2023.
7. As per the Scheme of mining plan the lease period is up to 24.06.2032. The mining plan is for the period of Five years & production should not exceed 27455 m³ of ROM & 10982 m³ of Recovery @40% & 16473m³ of Granite Waste @60% with ultimate depth of mining 32m BGL.
8. The salient features of the proposed project as follows

File No	10162	Category	"B2" 1(a)
	SIA/TN/MIN/433913/2023, Dated :20.06.2023		EC


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Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Thiru. M.Edward Rajapandian, No.5/142-2, Thiruvalluvar Nagar, 2nd Cross Karishnagiri Taluk, Karishnagiri District-635001.	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Grey Granite Quarry	
3.	S.F Nos. of the quarry site with area break-up	:	137/5(Part), 138(Part) & 492/2(Part)	
4.	Village in which situated	:	Sivampatti & Pattrahalli	
5.	Taluk in which situated	:	Bargur & Pochampalli	
6.	District in which situated	:	Krishnagiri	
7.	Extent of quarry (in ha.)	:	1.56.5Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	12°23'14.64"N to 12°23'20.23"N 78°25'53.41"E to 78°25'59.04"E	
9.	Topo Sheet No.	:	57/L-7	
10.	Type of mining	:	Opencast mechanized Mining	
11.	Life of Project	:	15 years	
	Lease Period	:	20 years from 25.06.2012 and valid up to 24.06.2032.	
	Mining Plan Period	:	5 years	
12.	Mining Plan Details	:	As per approved Mining Plan	
	Geological Resources m ³ (RoM)	:	As modified by SEAC	
		:	ROM 400464 m ³	ROM 400464 m ³
		:	Recovery 40% 160186 m ³	Recovery 40% 160186 m ³
:	Granite Waste 60% 240278m ³	Granite Waste 60% 240278m ³		
Minable Resources m ³ (RoM)	:	ROM 82993 m ³	ROM 82993 m ³	


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			Recovery 40% 33197m ³	Recovery 40% 33197m ³
			Granite Waste 60% 49796m ³	Granite Waste 60% 49796m ³
	Annual Peak Production in m ³		ROM 7220 m ³	ROM 7220 m ³
			Recovery 40% 2888 m ³	Recovery 40% 2888 m ³
			Granite Waste 60% 4332m ³	Granite Waste 60% 4332m ³
	Maximum Depth in meters	:	32m BGL	
13.	Depth of water table	:	64m BGL	
14.	Man Power requirement per day:	:	30 Nos.	
15.	Water requirement: 1. Drinking water 2. Dust suppression 3. Green belt	:	1.6KLD 0.5KLD 0.6KLD 0.5KLD	
16.	Power requirement		TNEB 43936Liters of HSD	
17.	Precise area communication approved by the Commissioner Geology & Mining.	:	G.O. (3D). No. 10 Industries (MME-2) Department. Dated 23.05.2012 (valid up to 24.06.2032)	
18.	Mining Plan approved by Commissioner Geology & Mining.	:	Rc. No. 3358/MM4/2023, Dated: 17.05.2023(2022-23 to 2026-27)	
19.	Deputy Director, Dept. of Geology & Mining 500m Cluster Letter		Rc.No. 218/2023/Mines, dated: 22.05.2023	
20.	VAO Certificate Regarding Structures within 300m Radius		Letter Dated: 25.05.2023	
21.	Project Cost (excluding EMP cost)	:	Rs. 2,65,22,000/-	

22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
		:	Max Total RoM in m ³	27455 m ³ of ROM
		:	Annual Max RoM in m ³	7220 m ³ of ROM
		:	Max Depth in mtrs	32m BGL
23.	EMP cost (in Rs. Lakh).	:	Capital cost – Rs. 29,71,550/- Recurring cost/annum – Rs. 11,47,880/-	
24.	CER cost (in Rs. Lakh).	:	Rs. 7,00,000 /- as accepted by the PP	

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 7220 m³ of ROM by restricting the ultimate depth of mining upto 32m BGL and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

- 1) The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
- 2) The PP shall appoint a Geologist in addition to other statutory persons appointed as per the permission obtained from the Director of Mines Safety, DGMS-Chennai Region.
- 3) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies during the 4th year of quarrying operations to assess the slope stability of the working benches and existing quarry wall incorporating the 'Slope Stability Action Plan', by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras,

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

- 4) The PP shall carry out the required number of plantations as committed in the EMP around the periphery of the lease boundary without deviation before the execution of the lease.
- 5) As accepted by the Project Proponent the CER cost of Rs. 7 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, Eachangadu Village before obtaining CTO from TNPCB.

Agenda No: 402-05

(File No: 10168/2023)

Proposed Rough Stone and Gravel Quarry over an extent of 2.17.5 Ha at S.F.No.21/1, 2, 3, 4, 5, 6 & 7 of Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by Thiru.R. Suriyakanth -For Environmental Clearance. (SIA/TN/MIN/434561/2023, Dated: 24.06.2023).

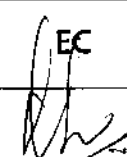
The proposal was placed in this 402nd Meeting of SEAC held on 17.08.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.R. Suriyakanth has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an extent of 2.17.5 Ha at S.F.No.21/1, 2, 3, 4, 5, 6 & 7 of Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 10 years. The mining plan is for the period of ten years & production should not exceed 288876 m³ of Rough Stone & 33532 m³ of Gravel with ultimate depth of mining 40m BGL.
4. The salient features of the proposed project as follows

File No	10168	Category	"B2" 1(a)
	SIA/TN/MIN/434561/2023, Dated: 24.06.2023		EC


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Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Thiru.R. Suriyakanth, S/o. N.Ramaligam , No.46, Velankattu Valasu, Thuyyampoondurai, Erode District - 638115.	
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	:	21/1, 2, 3, 4, 5, 6 & 7	
4.	Village in which situated	:	Mambakkam	
5.	Taluk in which situated	:	Sriperumbudur	
6.	District in which situated	:	Kancheepuram	
7.	Extent of quarry (in ha.)	:	2.17.5Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	12° 56' 43.62"N to 12° 56' 47.53"N 79° 54' 12.69"E to 79° 54' 20.50"E	
9.	Topo Sheet No.	:	57 - P/13	
10.	Type of mining	:	Opencast mechanized 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	
	Geological Resources m ³ (RoM)	:	As modified by SEAC	
		:		
	Minable Resources m ³ (RoM)	:	Rough Stone – 8,26,500 m ³	Rough Stone – 8,26,500 m ³
		:	Gravel – 43,500 m ³	Gravel – 43,500 m ³
	Minable Resources m ³ (RoM)	:	Rough Stone – 2,88,876 m ³	Rough Stone – 2,88,876 m ³
:		Gravel – 33,532 m ³	Gravel – 33,532 m ³	


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	Annual Peak Production in m ³	:	Rough Stone – 33,875m ³	Rough Stone – 33,875m ³
			Gravel – 13,114m ³	Gravel – 13,114m ³
	Maximum Depth in meters	:	40m BGL	
13.	Depth of water table	:	65m in summer and 60m in rainy seasons.	
14.	Man Power requirement per day:	:	20 Nos.	
15.	Water requirement: 1. Drinking water 2. Dust suppression 3. Green belt	:	1.0KLD 0.5KLD 0.2KLD 0.3KLD	
16.	Power requirement	:	TNEB 1,38,054Liters of HSD	
17.	Precise area communication approved by the Assistant Director, Department of Geology and Mining	:	Na.Ka.No.310/Q2/2022 Dated:14.03.2023	
18.	Mining Plan approved by Assistant Director(i/c), Department of Geology and Mining	:	Rc.No. 310/Q2/2022, Dated: 16.06.2023	
19.	Assistant Director(i/c), Department of Geology and Mining, 500m Cluster Letter	:	Rc.No. 310/Q2/2022, Dated: 16.06.2023	
20.	VAO Certificate Regarding Structures within 300m Radius	:	31.03.2023	
21.	Project Cost (excluding EMP cost)	:	Rs. 2,43,32,000/-	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
				Rough Stone
				Gravel
		:	Max Total RoM in m ³	281726 m ³
				33532 m ³

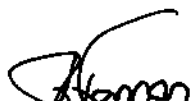

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		:	Annual Max RoM in m ³	33,875m ³	13,114m ³
		:	Max Depth in mtrs	40m BGL	
23.	EMP cost (in Rs. Lakh).	:	Capital cost – Rs. 5372933.4/- recurring cost/annum – Rs. 1997987.6/-		
24.	CER cost (in Rs. Lakh).	:	Rs. 10,00,000 /- as accepted by the PP		

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 33,875m³ of rough stone & 13,114m³ of Gravel by maintaining the ultimate depth of mining upto 40m BGL and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The PP shall ensure that the haul road utilized for the transportation of ROM/Crushed stone is maintained properly in accordance with the IRC Guidelines accommodating the required safety features.
3. Since the structures are situated within a radial distance of 600 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 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


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submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

4. The PP shall furnish a Standard Operating Procedures (SoP) which includes appointment of statutory personnel and mode of transport / storage of explosives for carrying out the blasting operations 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.
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 accepted by the Project Proponent the CER cost of Rs. 10 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, Nelvai, Walajabad Taluk before obtaining CTO from TNPCB.

Agenda No: 402-06


(File No: 10174/2023)

Proposed Rough Stone and Gravel Quarry over an extent of 2.65.0 Ha at S.F. Nos:568(part) & 672(part) of Munnur Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Tvl. Bala Vinayaga Blue Metals -For Environmental Clearance. (SIA/TN/MIN/434747/2023, Dated: 27.06.2023).

The proposal was placed in this 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, Tvl. Bala Vinayaga Blue Metals has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over


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an extent of 2.65.0 Ha at S.F. Nos:568(part) & 672(part) of Munnur 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.
3. Earlier, the project proponent has obtained EC from DEIAA vide Lr.No.DEIAA-DIA/TN/MIN/8233/2017-KRR/EC.No.76/2017/Mines dated: 14.10.2017 for the period of 5 years from the date of execution of the mining lease period.

The PP was not present during the meeting. Further, the proponent vide letter dated 14.08.2023 has communicated that they wish to withdraw the proposal submitted for Environmental Clearance stating the following reasons.

"Due to COVID-19 lockdown the extension of 18 months granted by the commissioner Department of Geology and Mining, for the remaining and unquarried quantity. With in the short period, I unable to quarry 67,200cbm of rough stone. So, I apply for fresh application for the period of 5 years. So, I would like to withdraw my proposal."

In view of this, SEAC decided to remit the proposal back to SEIAA-TN for further course of action.

Agenda No: 401 - 07


(File No: 10133/2023)

Existing Rough stone and Gravel lease over an extent of 0.89.0 Ha at S.F.No.637/2B(Part) in Manjanaickenpatti Village, Kadavur Taluk, Karur District, Tamil Nadu by Thiru.R.Azhagar - Environment Clearance for next scheme of mining (SIA/TN/MIN/433166/2023 dt 14.06.2023)

The proposal was placed in this 402nd meeting of SEAC held on 17.08.2023. The Project Proponent made a detailed presentation on the proposal. 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, Thiru.R.Azhagar has applied seeking Environment Clearance for the existing Rough stone and Gravel lease for next scheme of mining over an extent of 0.89.0 Ha at S.F.No.637/2B(Part) in Manjanaickenpatti village, Kadavur Taluk, Karur District, Tamil Nadu.


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2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. DEIAA EC. Lr. No. DEIAA-DIA/TN/MIN/15332/2018-KKR/EC.No.107/2018/Mines dated 14.06.2018
4. CCR obtained from IRO(SZ), MoEF&CC vide Lr. No.EP/12.1/2023-24/SEIAA/51/TN/881 dated 21.07.2023
5. AD/Mines has reported presence of existing pit with dimensions of 81m (L) x 72m (W) x 10m (D) at the project site.

Based on the presentation and documents furnished by the project proponent, SEAC directed the Project Proponent to furnish the following additional details/documents:

1. 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 indicating the ownership of the building, nature of construction, age of the building, number of residents, their profession and income, etc. On receipt of the aforesaid details/documents, the Committee will further deliberate and decide on future course of action.
2. The PP shall furnish the letter received from DFO concerned stating the proximity details of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
3. The PP shall submit the letter obtained from the concerned AD (Mines) showing details on the date of lease executed, date of last working day, date of last transport permit issued, Mining Plan approved quantity, EC Approved Quantity and Achieved quantity (year wise).
4. Details of action taken on the non-compliances reported in the CCR Lr. No.EP/12.1/2023-24/SEIAA/51/TN/881 dated 21.07.2023.
5. Registered lease deed pertaining to the mine lease area shall be furnished.

On receipt of the details sought, the Committee will deliberate further and decide on future course of action.


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Agenda No: 402 - 08

(File No: 10151/2023)

Proposed Rough stone and Gravel Quarry lease over an extent of 0.34.50 Ha at S.F.No.306/3 & 306/4 in Ariyur village, Vellore Taluk, Vellore District, Tamil Nadu by Tmt.K.Rupa - For Environment Clearance. (SIA/TN/MIN/430676/2023 dt 16.06.2023)

The proposal was placed in this 402nd meeting of SEAC held on 17.08.2023. The Project Proponent made a detailed presentation on the proposal. 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, Tmt.K.Rupa has applied seeking Environment Clearance for the Proposed Rough stone and Gravel Quarry lease over an extent of 0.34.50 Ha at S.F.No.306/3 & 306/4 in Ariyur village, Vellore 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, as amended.
3. DEIAA vide Lr. No. has issued EC for mining at inter alia the S.F.No. 306/4 which constitutes part of the mine lease area of this proposal.
4. AD/Mines vide letter dated 10.08.2023 has reported that no quarrying has been carried out in the S.F.No. 306/4.

Based on the presentation and documents furnished by the project proponent, SEAC directed the Project Proponent to furnish certified compliance report for the earlier EC.

1. As EC has been granted by DEIAA for quarrying at S.F.No. 306/4, the PP shall furnish the certified compliance report obtained from competent authority for the said EC.
2. The PP shall furnish the details of all the structures situated at the project site and within 500m radius from the periphery of the mine lease area along with photographs.
3. The PP shall submit the letter obtained from the concerned AD (Mines) confirming the boundary of approved mine lease area as shown on the KML image by verifying the coordinates mentioned in the AMP.

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


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Agenda No: 402 - 09

(File No: 10157/2023)

Existing Rough Stone lease over an extent of 4.86.5 Ha at S.F.No.470/1C, 470/2, 471/3 & 472(Part) in Thennilai (East) Village, Pugalur(Aravakurichi) Taluk, Karur District, Tamil Nadu by Sri Venkatramanaswamy Blue Metals – Environment Clearance for next scheme of mining. (SIA/TN/MIN/433803/2023 dt 19.06.2023)

The proposal was placed in this 402nd meeting of SEAC held on 17.08.2023. The SEAC noted that the PP vide letter dated 10.08.2023 has informed his intention to withdraw the proposal for the reasons stated therein. The Committee decided to remit the subject back to SEIAA to decide on the withdrawal request made by the Project Proponent.

Agenda No: 402 - 10

(File No: 10163/2023)

Existing Rough stone and Gravel Quarry lease over an extent of 1.00.0 Ha at S.F.No.614/1B(Part) in Manjanaickenpatti village, Kadavur Taluk, Karur District, Tamil Nadu by Mr.T.Karthik - Environment Clearance for next scheme of mining. (SIA/TN/MIN/434182/2023 dt 22.06.2023)

The proposal was placed in this 402nd meeting of SEAC held on 17.08.2023. The Project Proponent made a detailed presentation on the proposal. 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, Mr.T.Karthik has applied seeking Environment Clearance for the existing Rough stone and Gravel Quarry lease for next scheme of mining over an extent of 1.00.0 Ha at S.F.No.614/1B(Part) in Manjanaickenpatti village, Kadavur 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, as amended.
3. SEIAA EC. Lr. No. SEIAA-TN/F.No. 4044/1(a)/EC No. 3859/2015 dated 31.05.2017 dated 31.05.2017


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4. CCR obtained from IRO(SZ), MoEF&CC vide Lr. No.EP/12.1/2023-24/SEIAA/49/TN/879 dated 21.07.2023
5. AD/Mines has reported presence of existing pit with dimensions of 12m (L) x 10m (W) x 3m (D) at the project site.

Based on the presentation and documents furnished by the project proponent, SEAC directed the Project Proponent to furnish the following additional details/documents:


1. 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 indicating the ownership of the building, nature of construction, age of the building, number of residents, their profession and income, etc. On receipt of the aforesaid details/documents, the Committee will further deliberate and decide on future course of action.
2. The PP shall furnish the letter received from DFO concerned stating the proximity details of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
3. The PP shall submit the letter obtained from the concerned AD (Mines) showing details on the date of lease executed, date of last working day, date of last transport permit issued, Mining Plan approved quantity, EC Approved Quantity and Achieved quantity (year wise).
4. Details of action taken on the non-compliances reported in the CCR Lr. No.EP/12.1/2023-24/SEIAA/51/TN/881 dated 21.07.2023.
5. Registered lease deed pertaining to the mine lease area shall be furnished.

On receipt of the details sought, the Committee will deliberate further and decide on future course of action.

Agenda No: 402- 11

File No: 10134/2023

Proposed Grey Granite quarry lease over an extent of 1.0.0ha in S.F. No. 71/1 (Part) at Kadappasandampatti Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu by Tvl. Sri Lakshmi Enterprises - For Environmental Clearance. (SIA/TN/MIN/432790/2023, Dated: 10.06.2023)


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The proposal was placed in this 402nd SEAC meeting held on 17.08.2023. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The project proponent gave detailed presentation.


SEAC noted the following:


1. The Project Proponent, Tvl. Sri Lakshmi Enterprises has applied for Environmental Clearance for the Proposed Grey Granite quarry lease over an extent of 1.0.0ha in S.F. No. 71/1 (Part) at Kadappasandampatti Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 20 years. The mining plan is for 5 years & production should not exceed 16,210m³ of ROM, 5,674m³ of Granite reserves @ 35% & 10,537m³ of Granite waste @ 65%. The annual peak production 3,640 m³ of ROM, 1,274 m³ of Granite reserves @ 35% & 2,366 m³ of Granite waste @ 65%. The ultimate depth of mining is 20m BGL.

Now, the proposal is placed in the 402nd SEAC meeting held on 17.08.2023. Based on the presentation and the documents furnished by the Proponent, the SEAC decided to call for additional details

1. The PP shall submit Certified Compliance Report obtained from integrated regional office (IRO), MoEF&CC.
2. The PP shall submit the letter obtained from the concerned AD (Mines) showing details on the date of lease executed, date of last working day, date of last transport permit issued, Mining Plan approved quantity, EC Approved Quantity and Achieved quantity (year wise).

On receipt of the details sought above, the SEAC will further deliberate and decide on future course of action. 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.


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Agenda No: 402-12

(File No.10135/2023)

Proposed Rough stone and Gravel Quarry lease over an extent of 4.68.5 Ha at S.F. Nos. 149/2A(P), 150, 151/1A, 151/1B, 151/2, 151/3, 151/5A, 151/5B, 151/5C, 151/5D, 151/6B & 151/4A of Panruti Village, Thiruperumbudur Taluk, Kanchipuram District, Tamil Nadu by Tmt. D. Banu – For Environmental Clearance (SIA/TN/MIN/432855/2023 dated:13.06.2023)

The proposal was placed in the 402nd meeting of SEAC held on 17.08.2023. 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, Tmt. D. Banu has applied for Environmental Clearance for the Proposed Rough stone and Gravel Quarry lease over an extent of 4.68.5 Ha at S.F. Nos. 149/2A(P), 150, 151/1A, 151/1B, 151/2, 151/3, 151/5A, 151/5B, 151/5C, 151/5D, 151/6B & 151/4A of Panruti Village, Thiruperumbudur Taluk, Kanchipuram 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, EC was accorded to the project proponent by DEIAA vide Lr.No.DEIAA-DIA/TN/MIN/115/ 2017-KPM EC No.6 dated.01.12.2017. EC was accorded for the quantity of 3,24,415m³ of rough stone & 40,412m³ of gravel up to a depth of 22m below ground level.
4. The proponent has submitted a Certified Compliance Report obtained from IRO of MoEF&CC vide E.P./12.1/2022-23/SEIAA/322/TN/516 dated.28.04.2023 for the EC obtained earlier.
5. From the Certified Compliance Report submitted, it is ascertained that the proponent has mined up to a depth of 38m against the EC approved depth of 22m.
6. Here, the SEAC had observed that the PP has carried out the mining activity in violation to the conditions imposed in the EC or order granting consent to establish/operate.


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7. Also, it was observed that as per MoEF&CC Notifications dated 14.03.2017 and 08.03.2018, the application of the project proponent does not fall within the window period (or) prior to the window period.
8. The Hon'ble Madurai Bench of Madras High Court (Special original Jurisdiction) in the WP(MD) No.11757 of 2021 and WMP(MD) No. 9241 of 2021 vide order Dt: 15.07.2021 has issued interim stay for the office memorandum (O.M) Dt: 07.07.2021 (SoP for Identification and handling of Violation cases under EIA 2006 in compliance to order of Hon'ble NGT in O.A. No.34/2020) and it exhibits that *“Violation” means cases where projects have either started the construction work or installation or excavation, whichever is earlier, on-site or have expanded the production capacity and/or project area beyond the limit specified in the Environmental Clearance (prior EC) without obtaining prior-EC or change of scope without prior approval from the Ministry”.*

Therefore, the proposal has to be treated as 'violation' and based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (TOR) under Violation category without Public Hearing, subject to the following TORs & ToRs in Annexure-I of this minutes in addition to the standard terms of reference for EIA study for non-coal mining projects and the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. Terms of Reference issued are subject to final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.

1. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 prepared by the accredited consultants comprising of assessment of ecological damage for the project activities carried out earlier without obtaining prior Environmental Clearance, and the remediation plan and natural & community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of Environmental Clearance.
2. As a part of procedural formalities as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017, the action will be initiated by the competent

authority under section 15 read with section 19 of the Environment (Protection) Act, 1986 against violation.

3. Copy of total penalty levied by the concerned AD/DD, Dept of Geology and Mining, and copy of remittance of total penalty by PP.
4. The PP shall furnish details about the schools, colleges & temples located within 1 km radius from the project site.

Agenda No: 402-13

(File No.10153/2023)

Proposed Rough Stone and Gravel Quarry lease over an extent of 2.45.0 Ha in S.F.Nos. 986/B2A (P) (Patta land) of Mudalipalayam Village, Kangayam Taluk, Tiruppur District, Tamil Nadu by M/s. Sri Muthukumar Blue Metals – For Environmental clearance. (SIA/TN/MIN/433715/2023, dated:19.06.2023)

The proposal was placed in the 402nd meeting of SEAC held on 17.08.2023. 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. Sri Muthukumar Blue Metals has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry lease over an extent of 2.45.0 Ha in S.F.Nos. 986/B2A (P) (Patta land) of Mudalipalayam Village, Kangayam Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category “B2” of Item 1(a) “Mining of Minerals Projects” of the Schedule to the EIA Notification, 2006.
3. The salient features of the proposal are as follows:

File No	10153	Category	1(a)
	SIA/TN/MIN/433715/2023		B2
Sl. No	Salient Features of the Proposal		
1	Name of the Owner/Firm	:	M/s. Sri Muthukumar Blue Metals, No. 94-C, Kundadam, Uthiyur Road, Kolumanguli Village, Dharapuram Taluk, Tiruppur District – 638 703.


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2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone and Gravel Quarry	
3.	S.F Nos. of the quarry site with area break-up	:	986/B2A (P)	
4.	Village in which situated	:	Mudalipalayam	
5.	Taluk in which situated	:	Kangayam	
6.	District in which situated	:	Tiruppur	
7.	Extent of quarry (in ha.)	:	2.45.0 Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	10°52'22.03"N to 10°52'28.08"N 77°31'06.45"E to 77°31'11.48"E	
9.	Topo Sheet No.	:	58 F/09	
10.	Type of mining	:	Opencast Mechanized Method.	
11.	Life of Project	:	10 years	
	Lease Period	:	10 years	
	Mining Plan Period	:	10 years	
12.	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough Stone – 11,02,500 m ³	-
		:	Gravel – 49,000m ³	-
	Minaible Resources m ³ (RoM)	:	Rough Stone – 4,10,385m ³	-
		:	Gravel – 38,250m ³	-
	Annual Peak Production in m ³	:	Rough Stone – 42,025m ³	-
:		Gravel – 13,250m ³	-	
Maximum Depth in meters	:	47m	47m	
13.	Depth of water table	:	62m – 58m	
14.	Man Power requirement per day:	:	22 Nos.	
15.	Water requirement:	:	1.0 KLD	
	1. Drinking Purpose	:	0.2 KLD	
	2. Dust suppression	:	0.5 KLD	
	3. Green belt	:	0.3 KLD	
16.	Power requirement	:	1,72,562 litres of HSD for the first five years	



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17.	Precise area communication approved by the Assistant Director, Dept.of Geology and Mining with date	:	Rc.No. 98/Mines/2023 Dated:03.05.2023.		
18.	Mining Plan approved by the Assistant Director, Dept.of Geology and Mining with date	:	Rc.No. 98/Mines/2023 Dated:17.05.2023.		
19.	500m cluster letter issued by the Assistant Director, Dept. of Geology and Mining with date	:	Rc.No. 98/Mines/2023 Dated:17.05.2023		
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated: 19.05.2023.		
21.	Project Cost (excluding EMP cost)	:	Rs. 47,17,000/-		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
		:			
		:	Max Total RoM in m ³	4,10,385	38,250
		:	Annual Max RoM in m ³	42,025	13,250
	:	Max Depth in mtrs	47m below ground level		
23.	EMP cost (in Rs. Lakh).	:	Capital Cost – Rs. 37,48,500/- Recurring Cost – Rs. 30,28,801/-		
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 42,025m³ of rough stone & 13,250m³ of gravel by restricting the ultimate depth of mining up to 47m 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:


- 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


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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 the small dia blasting with maximum of 30 to 40 holes per round after obtaining the prior permission from the Director of Mines Safety, DGMS-Chennai Region.
- 3) Due to the existence of structures 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 after obtaining prior permission from the Director of Mines Safety/Chennai Region, 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 proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 4) For securing the safety of persons employed in the mine, the PP shall carry out the scientific studies to assess the slope stability of the benches and the existing quarry wall during the 3rd year and 8th year of quarrying operations, by involving anyone of these reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engg –IIT(Madras), NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 5) The PP shall not adopt the 'Deep-hole large diameter drilling and blasting' without obtaining the prior permission obtained from the Director of Mines Safety, DGMS-Chennai Region.


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- 6) The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations to the concerned AD (Mines) at the time of execution of lease.
- 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 the Panchayat Union Primary School, Kolumanguzhi Village before obtaining CTO from TNPCB.

Agenda No: 402-14

(File No.10165/2023)

Proposed Rough stone and Gravel Quarry lease over an extent of 3.77.5 Ha at S.F. Nos.492/B3 and 493/1(P) of Kodanthur South Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Tvl. Sri Vetrivelan Blue Metal – For Environmental Clearance (SIA/TN/MIN/434133/2023 dated:21.06.2023)

The proposal was placed in the 402nd meeting of SEAC held on 17.08.2023. 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. Sri Vetrivelan Blue Metal has applied for Environmental Clearance for the Proposed Rough stone and Gravel Quarry lease over an extent of 3.77.5 Ha at S.F. Nos.492/B3 and 493/1(P) of Kodanthur South Village, Aravakurichi Taluk, Karur 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.

During the presentation, SEAC noted that the proponent has submitted a request to withdraw the proposal stating that he is not willing to continue the quarry operation in the proposed lease area. Hence, the SEAC decided that SEIAA may accordingly take necessary action in accordance with the procedures.

Agenda No: 402-15

(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)

The proposal was placed in 402nd meeting of SEAC held on 17.08.2023. The details of


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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.

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: 402-16


(File No: 10142/2023)

Proposed Rough stone & Gravel quarry lease over an extent of 1.00.0Ha at SF.No. 241/1A(P) of Vadaputhur Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Tmt. R.Indumathi - for Environmental Clearance. (SIA/TN/MIN/432292/2023, Dated: 05.06.2023)

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, Tmt.R.Indumathi has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.00.0Ha at SF.No. 241/1A(P) of Vadaputhur Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu.


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2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Lease period is valid till 21.01.2024.
4. Earlier, the PP has obtained Environmental Clearance from DEIAA vide Lr. No.DEIAA-CBE-V/F.No.381/1(a)/EC.No.54/2018 Dt:10.12.2018.
5. Further, it is pertinent to observe that EIA Office memorandum F.No. IA3-22/11/2023-IA (E-208230), dated. 28.04.2023 and relevant part of the OM reads as under:


"...it has been decided that all valid ECs issued by DEIAA shall be reappraised through SEAC/SEIAA in compliance to the order of the Hon'ble NGT in O.A.142 of 2022. In view of above, it is hereby directed that all concerned SEACs shall re-appraise the ECs issued between 15.01.2016 and 13.09.2018 (including both dates) and all fresh ECs shall be granted only by SEIAAs based on such appraisal. The exercise shall be completed within a time period of one year from the date of issue of this OM. DEIAAs shall transfer all such files where ECs have been granted to concerned SEIAA within a time period of one month from issue of this OM....."

"...Environmental clearance was granted by DEIAA need to be brought in consonance with the directions given by the Hon'ble Supreme Court in Deepak Kumar (supra) and order dated. 13.09.2018 by this Tribunal in Satendra Pandey (supra) by re-appraisal by SEIAA and only such mining leases may be continued which have been on re-appraisal granted environmental clearance by SEIAA and after taking appropriate remedial action on the basis of such re-appraisal..."

Further, in order to have a uniform approach across the country for such appraisal, SEIAA shall scrutiny and appraise the proposals based on the checklist provided below:

xi. Compliance of Hon'ble Supreme Court Judgement dated 02.08.2017 passed in Common Cause vs Union of India Writ Petition (C) 114 of 2014....."

6. Based on the above, the PP should have suspended all the quarrying activities including excavation, transportation and dispatch of mineral/waste with effect from 28.05.2023, i.e. to facilitate the PP for submitting the application to the SEIAA and


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completion of statutory formalities pertaining to the discontinuance of mining operations in accordance with MMDR Act 1957 & Mines Act 1952, within one month of issue of EIA Office memorandum F.No. IA3-22/11/2023-IA (E-208230), dated. 28.04.2023 and will continue to operate only after obtaining Environmental clearance from SEIAA-TN once completing the remedial actions based on such re-appraisal by SEIAA-TN.

Hence, based on the presentation and details furnished by the project proponent, SEAC decided to defer and call for additional particulars as follows,

1. The proponent shall furnish an affidavit stating that the PP has suspended all the quarrying activities including excavation, transportation and dispatch of mineral/waste with effect from 28.05.2023, *i.e. to facilitate the PP for submitting the application to the SEIAA and completion of statutory formalities pertaining to the discontinuance of mining operations in accordance with MMDR Act 1957 & Mines Act 1952, within one month of issue of EIA Office memorandum F.No. IA3-22/11/2023-IA (E-208230), dated. 28.04.2023* and will commence the mining operations only after obtaining Environmental clearance from SEIAA-TN once completing the remedial actions based on such re-appraisal.
2. From the kml file when viewed in Google map, SEAC noticed that in southern east corner of the proposed site there is a pit and hence the PP shall obtain a letter from the AD (Mines) concerned on the following.
 - i. Original pit dimension of the existing quarry
 - 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 carried out, if any
 - vi. Non-compliance/Violation in the quarry during the past working.
 - vii. Quantity of material mined out outside the mine lease area (or) in the adjacent quarry/land.
 - viii. Existing condition of Safety zone/benches
 - ix. Details of any penalties levied on the PP for any violation in the quarry operation

3. The PP shall submit Certified Compliance Report obtained from the office of the concerned DEE/TNPCB (or) IRO, MoEF & CC, Chennai and the PP shall furnish appropriate mitigating measures for the non-compliance items, if any.
4. The PP shall furnish the details on renewal of lease period from the competent authority.

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: 402-17

(File No: 10154/2023)

Proposed Grey Granite quarry lease over an extent of 1.74.0Ha at SF.No 428/1A,1B, 429/1A1(P), 1B1A, 1B1B, 430/1C1B(P),1C2A, 1C2B(P), 1C3A & 430/1C4(P) of Kendikampatti Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu by Thiru.K.P.Lakshmanan - for Environmental Clearance. (SIA/TN/MIN/433446/2023, Dated:15.06.2023)

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.K.P.Lakshmanan has applied for Environmental Clearance for the proposed Grey Granite lease over an extent of 1.74.0Ha at SF.No. 428/1A,1B, 429/1A1(P), 1B1A, 1B1B, 430/1C1B(P),1C2A, 1C2B(P), 1C3A & 430/1C4(P) of Kendikampatti Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier the PP has obtained EC vide Lr.No.SEIAA-TN/F.No.2572/EC/1(a)/2791/2015 dated 28.01.2016.
4. The PP has furnished CCR vide Lr.no.E.P/12.1/2023-24/SEIAA/41/TN/840 dated 11.07.2023.

File No	10154/2023	Category	B2
	SIA/TN/MIN/433446/2023, Dated:15.06.2023		


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Sl. No	Salient Features of the Proposal	
1.	Name of the Owner/Firm	: Thiru. K.P.Lakshmanan, S/o.Periyasamy Counder, Kondasamanahalli Village, Thandugaranahalli- Post, Palacode Taluk, Dharmapuri District- 636808
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	: Grey Granite
3.	S.F Nos. of the quarry site with area break-up	: 428/1A,1B, 429/1A1(P), 1B1A, 1B1B, 430/1C1B(P),1C2A, 1C2B(P), 1C3A & 430/1C4(P)
4.	Village in which situated	: Kendikampatti
5.	Taluk in which situated	: Pochampalli
6.	District in which situated	: Krishnagiri
7.	Extent of quarry (in ha.)	: 1.74.0Ha
8.	Latitude & Longitude of all corners of the quarry site	: 12°22'25.8907"N to 12°22'30.7965"N 78°24'05.0957"E to 78°24'12.2902"E
9.	Topo Sheet No.	: 57-L/07
10.	Type of mining	: Opencast mechanized Mining
11.	Life of Project	: 20 Years
	Lease Period	: 20 Years
	Mining Plan Period	: 5 Years
12.	Mining Plan Details	: As per approved Mining Plan
	Geological Resources (RoM) m ³	: 4,13,175m ³ of ROM, 82,635m ³ of Recovery@20%, 3,30,540m ³ of Granite waste@80%, 28,905m ³ of Weathered Rock & 4932m ³ of Topsoil
	Mifiable Resources (RoM) m ³	: 51,640m ³ of ROM, 10,328m ³ of Recovery@20%, 41,312m ³ of Granite waste@80%, 12,635m ³ of Weathered Rock & 2358m ³ of Topsoil
	Annual Peak Production in (RoM) m ³	: 5280m ³ of ROM, 1056m ³ of Recovery@20% & 4224m ³ of Granite waste@80%.


	Maximum Depth in meters	:	36m BGL																	
13.	Depth of water table	:	64m in summer season - 59m in rainy season																	
14.	Man Power requirement per day:	:	34 Employees																	
15.	Water requirement: 1. Drinking water & Utilized water 2. Dust suppression 3. Green belt	:	1.6 KLD 0.5 KLD 0.6 KLD 0.5 KLD																	
16.	Power requirement	:	TNEB -																	
17.	Precise area communication approved by the Industries Department.	:	G.O. (3D) No.18, Industries (MME 2) Department Dated: 02.07.2012																	
18.	Mining Plan approved by Commissioner, Department of G&M.	:	Rc. No. 3139/MM4/2023, Dated: 11.05.2023.																	
19.	500m Cluster Letter approved by the Deputy Director, Department of G&M.	:	Roc. No. 438/2022/Mines, Dated: 16.05.2023.																	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Furnished Dated: Nil																	
21.	Project Cost (excluding EMP cost)	:	Rs. 2,29,07,000/-																	
22.	EC Recommendation	:	<table border="1"> <tr> <td rowspan="4">Validity</td> <td colspan="3">30 years subject to the following upper limits.</td> </tr> <tr> <td>ROM</td> <td>Recovery @20%</td> <td>Granite waste</td> </tr> <tr> <td>Max Total RoM in m³</td> <td>25.23 0m³</td> <td>5046m³</td> </tr> <tr> <td>Annual Max RoM in m³</td> <td>5280 m³</td> <td>1056m³</td> </tr> <tr> <td>Max Depth in mtrs</td> <td colspan="3">36m BGL</td> </tr> </table>	Validity	30 years subject to the following upper limits.			ROM	Recovery @20%	Granite waste	Max Total RoM in m ³	25.23 0m ³	5046m ³	Annual Max RoM in m ³	5280 m ³	1056m ³	Max Depth in mtrs	36m BGL		
Validity	30 years subject to the following upper limits.																			
	ROM	Recovery @20%	Granite waste																	
	Max Total RoM in m ³	25.23 0m ³	5046m ³																	
	Annual Max RoM in m ³	5280 m ³	1056m ³																	
Max Depth in mtrs	36m BGL																			
23.	EMP cost (in Rs. Lakh).	:	Rs.174.35 Lakhs																	
24.	CER cost (in Rs. Lakh).	:	Rs. 5,00,000																	


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Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 5280m³ of ROM which includes 1056m³ of Grey granite (@40% recovery) & 4224m³ of granite waste by restricting the ultimate depth of mining upto 36m BGL and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

- 1) The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
- 2) The PP shall stack the rejects on the ground safely in the non-mineralised areas within the mine lease.
- 3) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 2nd 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.
- 4) The PP shall carry out the required number of plantations as committed in the EMP around the periphery of the lease boundary without deviation before the execution of the lease.
- 5) 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 Government High School, Mindigiri, Pochampalli taluk before obtaining CTO from TNPCB.


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Agenda No: 402-18

(File No: 10160/2023)

Proposed Black Granite quarry lease over an extent of 4.14.8Ha at SF.No 104/1A(Part) of Udaiyanatham Village, Vikravandi Taluk, Villupuram District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - for Environmental Clearance. (SIA/TN/MIN/434072/2023, Dated:23.06.2023)

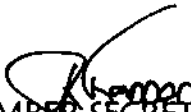
The proposal was placed in 402nd meeting of SEAC held on 17.08.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Tamil Nadu Minerals Limited has applied for Environmental Clearance for the proposed Black Granite lease over an extent of 4.14.8Ha at SF.No. 104/1A(Part) of Udaiyanatham Village, Vikravandi Taluk, Villupuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. In Precise Area Communication Letter it was stated that, *"I, therefore, request you to furnish the Approved Mining Plan for the above-mentioned Precise Area through the Commissioner of Geology and Mining within a period of 3 months as per sub-rule (3) (b) of Rule 8-C of the Tamil Nadu Minor Mineral Concession Rules, 1959 and to produce Environmental Clearance obtained from the competent authority for the above said area for grant of quarry lease subject to the following conditions"*.
4. Lease expired on 02.11.2022.
5. Earlier the PP has obtained EC vide Lr.No.SEIAA-TN/F.No.3887/1(a)/EC.No.3888/2016 dated 14.11.2016.

Based on the presentation and details furnished by the project proponent, SEAC decided to defer and call for additional particulars as follows,

1. Since the lease period has been expired, the PP shall furnish renewal of lease.
2. The PP shall revise the EMP as per SEAC template.
3. The PP shall submit Certified Compliance Report obtained from the office of the concerned DEE/TNPCB (or) IRO, MoEF & CC, Chennai and the PP shall furnish appropriate mitigating measures for the non-compliance items, if any.


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4.The PP shall furnish CER details.

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. 402 – 19.

(File No: 10137/2023)


Existing Rough stone quarry lease over an extent of 1.58.0Ha in S.F.No:74/1 (P), 74/2 & 75/2 (P), Myleripalayam Village, Madukkarai Taluk, Coimbatore District ,Tamil Nadu by Tmt.A.Meenakshi- For Environmental Clearance. (SIA/TN/MIN/432274/2023 Dt. 06.06.2023)

The proposal was placed in this 402nd meeting of SEAC held on 17.08.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. Earlier, the precise area communication was issued for the period of 5 years vide Rc.no. 381/Mines/2018 Dt:08.10.2018. The approved mining plan vide Rc.no. 381/Mines/2018 Dt:16.10.2018 for the period of 1st five years & production should not exceed 112340m³ of Rough Stone. The annual peak production is 23433m³ of Rough Stone (2nd Year). The depth of mining is 32m BGL.
2. 500m radius Cluster Ir. Rc.no. 381/Mines/2018 Dt:16.10.2018 (21.78.5 ha ~ B2 category).
3. Earlier, the PP has obtained EC from DEIAA vide Lr. No. SEIAA-CBE-V/F.No. 381 /1 (A) /EC. NO. 54/2018 Dt:10.12.2018 existing Rough stone quarry lease over an extent of 1.58.0Ha in S.F.No:74/1 (P), 74/2 & 75/2 (P), Myleripalayam Village, Madukkarai Taluk, Coimbatore District ,Tamil Nadu for production of 112340 cu.m of Rough Stone and upto depth of 32m under B2 category (<25 Ha).
4. Further, it is pertinent to observe that EIA Office memorandum F.No. IA3-22/11/2023-IA (E-208230), dated. 28.04.2023 and relevant part of the OM reads as under:

"....it has been decided that all valid ECs issued by DEIAA shall be reappraised


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through SEAC/SEIAA in compliance to the order of the Hon'ble NGT in O.A.142 of 2022. In view of above, it is hereby directed that all concerned SEACs shall re-appraise the ECs issued between 15.01.2016 and 13.09.2018 (including both dates) and all fresh ECs shall be granted only by SEIAAs based on such appraisal. The exercise shall be completed within a time period of one year from the date of issue of this OM. DEIAAs shall transfer all such files where ECs have been granted to concerned SEIAA within a time period of one month from issue of this OM.....”

“....Environmental clearance was granted by DEIAA need to be brought in consonance with the directions given by the Hon'ble Supreme Court in Deepak Kumar (supra) and order dated. 13.09.2018 by this Tribunal in Satendra Pandey (supra) by re-appraisal by SEIAA and only such mining leases may be continued which have been on re-appraisal granted environmental clearance by SEIAA and after taking appropriate remedial action on the basis of such re-appraisal...”

Further, in order to have a uniform approach across the country for such appraisal, SEIAA shall scrutiny and appraise the proposals based on the checklist provided below:

x. Cluster Certificate from State Geology and Mining Department”


5. Based on the above, the PP should have suspended all the quarrying activities including excavation, transportation and dispatch of mineral/waste with effect from 28.05.2023, i.e. to facilitate the PP for submitting the application with relevant particulars/forms/certificates to the SEIAA and completion of statutory formalities pertaining to the discontinuance of mining operations in accordance with MMDR Act 1957 & Mines Act 1952, within one month of issue of EIA Office memorandum F.No. IA3-22/11/2023-IA (E-208230), dated. 28.04.2023 and will continue to operate only after obtaining Environmental clearance from SEIAA-TN once completing the remedial actions based on such re-appraisal by SEIAA-TN.
6. Now, the PP has applied for reappraisal from DEIAA to SEIAA vide online proposal No. SIA/TN/MIN/432274/2023 Dt. 06.06.2023 along with AD letter Dt: 02.06.2023 stating DEIAA EC approved quantity 112340 cu.m permitted

quantity – 77394 cu.m, & balance available quantity – 34946 cu.m

7. The project/activity falls under category “B1” of Item 1 (a) “Mining of Minerals Projects” of the schedule to the EIA Notification, 2006 as per MoEF&CC OM Dt:12.12.2018

Based on the presentation and documents furnished by the project proponent. During presentation PP has requested SEAC for withdraw of this proposal seeking EC, as this proposal falls in B1 category as per 500m radius Cluster Ir. Rc.no. 381/Mines/2018 Dt:16.10.2018 (21.78.5 ha) issued by AD/Dept. G&M. In this regard, SEAC accepted the request of PP and directed to apply for ToR along with following documents

1. The PP shall furnish affidavit stating that the PP have suspended all the quarrying activities including excavation, transportation and dispatch of mineral/waste with effect from 28.05.2023, *i.e. to facilitate the PP for submitting the application with relevant particulars/forms/certificates to the SEIAA and completion of statutory formalities pertaining to the discontinuance of mining operations in accordance with MMDR Act 1957 & Mines Act 1952, within one month of issue of EIA Office memorandum F.No. IA3-22/11/2023-IA (E-208230), dated. 28.04.2023* and will continue to operate only after obtaining Environmental clearance from SEIAA-TN once completing the remedial actions based on such re-appraisal.
2. The project proponent shall furnish Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC and with mitigation measures for the non-compliance stated therein.
3. Details of Existing pit dimension, quantity of the mineral quarried and last transport permit for the earlier lease period from Dept. Of Geology & Mining.
4. Details of penalty levied from Dept. of Geology & Mining. If any.
5. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.


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6. The project proponent shall furnish details of photographs of adequate barbed fencing, greenbelt and garland drain around the boundary of the proposed quarry.
7. Revised EMP for the life of the mine including mine closure plan.

Agenda No: 402 - 20

(File No: 10143/2023)

Existing Grey Granite quarry lease over an extent of 2.42.5Ha in S.F.No:905/1 & 905/2 (Part), Thavarakarai Village, Denkanikottai Taluk, Krishnagiri District ,Tamil Nadu by Thiru.M.Gnanam– For Environmental Clearance. (SIA/TN/MIN/433250/2023 dt:13.06.2023)

The proposal was placed in this 402nd meeting of SEAC held on 17.08.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. Earlier, the mining lease was issued for the period of 20 years vide G.O.(3D). no. 28 Dt:01.12.2017 upto 30.04.2037.
2. Earlier, the PP has obtained EC from DEIAA vide Lr. No. 13/DEIAA-KG1/Ec.No.11/2017 Dt:12.10.2017 operated upto 10.01.2023 existing grey granite quarry lease over an extent of 2.42.5Ha in S.F.No:905/1 & 905/2 (Part), Thavarakarai Village, Denkanikottai Taluk, Krishnagiri District ,Tamil Nadu for production of 12590 cu.m of Grey Granite upto depth of 10m under B2 category (<25 Ha).
3. MoEF&CC OM Dt: 28.04.2023.
4. Now, the project proponent, Thiru.M.Gnanam has applied for Environmental Clearance for the existing Grey Granite quarry lease over an extent of 2.42.5Ha in S.F.No:905/1 & 905/2 (Part), Thavarakarai Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu for production of 44601 cu.m of ROM including 13381 cu.m of Grey Granite (recovery 30%) & 31220 cu.m of Granite waste (reject 70%) and upto depth of 13m under B2 category (<25 Ha).
5. Existing pit letter by AD, Dept. of G&M vide Ir. Rc.no. 1499/2022/Mines Dt:13.02.2023 stating existing pit depth of 10m.
6. AD, Dept. of G&M permitted quantity letter Ir. Rc.no. 1499/2022/Mines



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Dt:16.02.2023 stating DEIAA EC approved quantity 12590 cu.m, of grey granite and permitted quantity – 1723.075 cu.m,

7. Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC vide Ir. EP/12.1/2023-24/SEIAA/74/TN/991 Dt:16.08.2023.
8. 500m radius Cluster by AD, Dept. of G&M vide Ir. Rc.no. 1499/2022/Mines Dt:22.05.2023 (3.65.5 ha ~ B2 category).
9. The Mining Lease was issued for the period of 20 Years. The approved current scheme mining plan for the period of 5 Years (2023 – 24 to 2027 -28) & production should not exceed ROM of 44601m³ & 31220m³ of Granite Waste (Recovery 70 %) & 13381m³ of Grey Granite Waste (Reject 30 %)]. The annual peak production is ROM of 9435m³ & 2831m³ of Grey Granite (Recovery 30 %) & 6604m³ Granite Waste (Reject 70%)]. The depth of mining is 13m BGL.

Sl. No	Salient Features of the Proposal	
1.	Name of the Owner/Firm	: Thiru.M.Gnanam, S/o.Mariappan, No.6/145, Theerthagiri Nagar, Palacode, Dharmapuri District - 636808
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	: Grey Granite
3.	S.F Nos. of the quarry site with area break-up	: 905/1 & 905/2 (Part)
4.	Village in which situated	: Thavarakarai
5.	Taluk in which situated	: Denkanikottai
6.	District in which situated	: Krishnagiri
7.	Extent of quarry (in ha.)	: 2.42.5Ha
8.	Latitude & Longitude of all corners of the quarry site	: 12°29'28.2797"N to 12°29'22.2293"N 77°44'2.6820"E to 77°43'58.2168"E
9.	Topo Sheet No.	: 57-H/11
10.	Type of mining	: Open Cast Mechanized Mining
11.	Life of Project	: 20 Years
	Lease Period	: 20 Years upto


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	Mining Plan Period	:	5 Years		
	Mining Plan Details	:	As per approved scheme of mining plan		
12.	Geological Resources m ³ (RoM)	:	ROM (m ³)	Recovery (m ³)	Granite Waste (m ³)
			467890m ³	140367m ³	327523m ³
	Mineable Resources m ³ (RoM)	:	ROM (m ³)	Recovery (m ³)	Granite Waste (m ³)
			268094m ³	80430m ³	187664m ³
	Annual Peak Production in m ³	:	ROM (m ³)	Recovery (m ³)	Granite Waste (m ³)
			9435m ³	2831m ³	6604m ³
	Ultimate Depth in meters	:	23m BGL		
13.	Depth of water table	:	62m BGL		
14.	Man Power requirement per day:	:	25Nos		
15.	Water requirement:		2.2KLD		
	1. Drinking water	:	1.2 KLD		
	2. Utilized water	:	0.5 KLD		
	3. Dust suppression	:	0.5KLD		
16.	Power requirement	:	TNEB		
17.	Approved Mining Lease by Industries Dept.	:	G.O.(3D) No.28 Industries (MME.2) Department, dated: 01.12.2017.		
18.	Approved Mining Plan by Commissioner, Department of G&M.	:	Rc.No.8441/MM4/2022,	dt:	10.01.2023.
19.	500m Cluster Letter by Deputy Director, Department of G&M, Krishnagiri District.	:	Rc.No.1499/2022/Mines,	dt:	22.05.2023
20.	VAO Certificate Regarding Structures within 300m Radius	:	07.02.2023		
21.	Project Cost (excluding EMP cost)	:	Rs.131 Lakhs		
22.	EC Recommendation	:	1st Five Years as per approved mining plan		



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			ROM (m ³)	Reco very (30%) (m ³)	Reject (70%) (m ³)
		: Max Total RoM in m ³	44601	13381	31220
		: Annual Max RoM in m ³	9435	2831	6604
		: Max Depth in mtrs	13 m		
23.	EMP cost (in Rs. Lakh).	: Capital Cost - Rs.14.06 Lakhs Recurring Cost - Rs.03.15 Lakhs With 5% inflation for the recurring cost.			
24.	CER cost (in Rs. Lakh).	: Rs.6 Lakhs to DFO concerned towards conservation measures for CNWLS Rs. 2 lakhs to nearby Govt. school for relaying the floor.			

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for annual peak production shall not exceed 9435m³ of ROM and the ultimate depth of mining is restricted upto 23m 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 PP shall furnish affidavit stating that the PP have suspended all the quarrying activities including excavation, transportation and dispatch of mineral/waste with effect from 28.05.2023, *i.e. to facilitate the PP for submitting the application with relevant particulars/forms/certificates to the SEIAA and completion of statutory formalities pertaining to the discontinuance of mining operations in accordance with MMDR Act 1957 & Mines Act 1952, within one month of issue of EIA Office memorandum F.No. IA3-22/11/2023-IA (E-208230), dated. 28.04.2023* and will continue to operate only after obtaining Environmental clearance from SEIAA-TN once completing the remedial actions based on such re-appraisal.


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2. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
3. The PP shall ensure that 1000 nos of saplings are planted as a part of green belt development before obtaining the CTO from the TNPCB.
4. The Project Proponent shall ensure that necessary permission is obtained from the Director of Mines Safety Chennai Region to use Diamond Wire Saw cutting machine in the quarry before the execution of lease.
5. The PP shall appoint a Geologist in addition to the required statutory competent persons as per the provisions of MMR 1961 before the execution of lease.
6. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving any of the 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, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation. If applicable.
7. As accepted by the Project Proponent the CER cost of Rs. 8 lakhs and the amount Rs.6 Lakhs to concerned DFO towards conservation measures for CNWLS and Rs. 2 lakhs shall be spent to the nearby Govt. school for flooring activities using granite tiles before obtaining CTO from TNPCB.

Agenda No: 402 - 21

(File No: 10167/2023)

Existing Multi Colour Granite quarry lease over an extent of 2.13.5Ha in S.F.No:1116/1A and 1116/2, Sivayam (South) Village, Krishnarayapuram Taluk, Karur District ,Tamil Nadu by Tmt.V.Shanthi- For Environmental Clearance. (SIA/TN/MIN/434437/2023 dt:24.06.2023)


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The proposal was placed in this 402nd meeting of SEAC held on 17.08.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:


1. Earlier, the mining lease was issued for the period of 20 years vide G.O.(3D), no. 68 Dt:28.11.2016 upto 08.12.2036.
2. Earlier, the PP has obtained EC from SEIAA vide Lr. No. SEIAA/TN/F.No.5875/1(a)/ EC.No. 3895/2016 Dt:18.11.2016 for existing Multi Colour Granite quarry lease over an extent of 2.13.5Ha in S.F.No:1116/1A and 1116/2, Sivayam (South) Village, Krishnarayapuram Taluk, Karur District ,Tamil Nadu for production of 34760 cu.m of ROM including 20856 cu.m of Multi Colour Granite & 13904 cu.m of Granite reject and upto depth of 13m under B2 category (<25 Ha).
3. Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC vide Ir. EP/12.1/2022-2023/SEIAA/153/TN/1201 Dt:15.11.2022.
4. The PP has furnished an affidavit for complying with the non-compliances as indicated in the Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC before obtaining the CTO from the TNPCB.
5. Now, the project proponent, Tmt.V.Shanthi has applied for Environmental Clearance for the existing Multi Colour Granite quarry lease over an extent of 2.13.5Ha in S.F.No:1116/1A and 1116/2, Sivayam (South) Village, Krishnarayapuram Taluk, Karur District, Tamil Nadu.
6. 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 per 500m radius Cluster by AD, Dept. of G&M vide Ir. Rc.no. 292/Mines/2021 Dt:10.10.2022 (2.13.5 ha ~ B2 category).
7. The Mining Lease was issued for the period of 20 Years. The approved current scheme mining plan for the period o4 Years (2022 -2023 to 2025 – 2026) vide Rc.No.4902/MM2/2021, dt:29.09.2022 and the production should not exceed ROM of 27895m³ & 16737 m³ Multi Colour Granite of (Recovery 70 %) & 11158m³ of Granite Waste (Reject 30 %)]. The annual peak production is ROM of 7201m³ & 4326 m³ of Grey Granite (Recovery 30 %) & 25164m³ Granite Waste


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(Reject 70%)]. The depth of mining is 35m BGL.

Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Tmt.V.Shanthi, W/o.P.Velusamy, Kunnagoundampatty, Gudalur Village, Kulithalai Taluk, Karur District-639120.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Multi Colour Granite
3.	S.F Nos. of the quarry site with area break-up	:	1116/1A and 1116/2
4.	Village in which situated	:	Sivayam (South)
5.	Taluk in which situated	:	Krishnarayapuram
6.	District in which situated	:	Karur
7.	Extent of quarry (in ha.)	:	2.13.5Ha
8.	Latitude & Longitude of all corners of the quarry site	:	10°47'16.25"N to 10°47'22.15"N 78°23'13.26"E to 78°23'20.36"E
9.	Topo Sheet No.	:	58-J/05
10.	Type of mining	:	Open Cast Semi Mechanized of Mining
11.	Life of Project	:	20 Years
	Lease Period	:	20 Years upto 08.12.2036
	Mining Plan Period	:	5 Years
12.	Mining Plan Details	:	As per approved scheme of mining plan
	Geological Resources m ³ (RoM)	ROM (m ³)	Recovery (m ³) (60%) Granite Waste (m ³) (40%)
		272700m ³	163620m ³ 109080m ³
	Mineable Resources m ³ (RoM)	ROM (m ³)	Recovery (m ³) Granite Waste (m ³)
		127445m ³	76467m ³ 50978m ³
	Annual Peak Production in m ³	ROM (m ³)	Recovery (m ³) Granite Waste (m ³)
7210m ³		4326m ³ 3696m ³	
Maximum Depth in meters	:	38m BGL	
13.	Depth of water table	:	63m BGL


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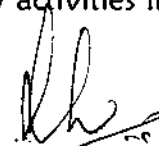
14.	Man Power requirement per day:	:	42Nos			
15.	Water requirement: 1. Drinking water 2. Utilized water 3. Dust suppression 4. Green belt	:	1.0 KLD 0.2 KLD 0.5 KLD 0.3 KLD			
16.	Power requirement		TNEB			
17.	Approved Mining Lease by Industries Dept.	:	G.O.(3D) No.68 Industries (MME.2) Department, dated: 28.11.2016.			
18.	Approved Mining Plan by Commissioner, Department of G&M.	:	Rc.No.4902/MM2/2021, dt:29.09.2022.			
19.	500m Cluster Letter by Deputy Director, Department of G&M, Karur District.		Rc.No.292/Mines/2021, dt: 10.10.2022			
20.	VAO Certificate Regarding Structures within 300m Radius		16.05.2023			
21.	Project Cost (excluding EMP cost)	:	Rs.297.51 Lakhs			
22.	EC Recommendation	:	As per approved scheme of mining plan			
				ROM (m ³)	Recovery (m ³) (60%)	Granite Waste (m ³) (40%)
			Max Total RoM in m ³	34681m ³	20809m ³	13872m ³
			Annual Max RoM in m ³	7210 m ³	4326 m ³	3696m ³
	Max Depth in mtrs	33m				
23.	EMP cost (in Rs. Lakh).	:	Capital Cost - Rs.36.53 Lakhs Recurring Cost - Rs.12.19 Lakhs With 5% inflation for the recurring cost.			

24.	CER cost (in Rs. Lakh).	:	Rs.5 Lakhs
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Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for annual peak production shall not exceed 7210 m³ of ROM and restricting the ultimate depth of mining upto 33m 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 install the fencing and plantation along the periphery of the lease with not less than 1000 no of tree saplings for plantation before obtaining EC.
3. The Project Proponent shall ensure that necessary permission is obtained from the Director of Mines Safety Chennai Region to use Diamond Wire Saw cutting machine in the quarry before the execution of lease.
4. The PP shall appoint a Geologist in addition to the required statutory competent persons as per the provisions of MMR 1961 before the execution of lease.
5. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 2 years of operation whichever is earlier, by involving any of the 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, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation. If applicable.
6. The Project Proponent shall spend the CER cost of Rs. 5 lakhs for the activities as committed and use the granite floor tiles for the floor preparatory activities in the


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Panchayat union primary School, Vellalapatti Krishnarayapuram Taluk, Karur District before obtaining CTO from TNPCB.

Agenda No. 402 – 22.

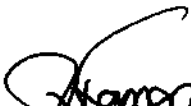
(File No: 10173/2023)


Existing Rough stone & Gravel quarry lease over an extent of 1.86.5Ha in S.F.No:387/A (Part), Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu by Mr.K.Pooventhiran- For Environmental Clearance. (SIA/TN/MIN/434743/2023 Dt. 27.06.2022)

The proposal was placed in this 402nd meeting of SEAC held on 17.08.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. Earlier, the PP has obtained EC from SEIAA vide Lr. No. SEIAA/TN/F.No.5714/1(a)/ EC.No. 3837/2016 Dt:24.10.2016 for existing Rough stone & gravel quarry lease over an extent of 3.90.0 Ha at S.F.No:387/A & 388/1of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu for production of 262865 cu.m of Rough stone and 27796 cu.m of Topsoil and upto depth of 22m under B2 category (<25 Ha).
2. Existing Pit dimension letter by DD/ Dept. G&M vide R.C.No.629/Mines/2022 Dt: 16.08.2023 states pit 1 no. with dimension (102m L X 70m W X 19m D).
3. Permit letter by DD/ Dept. G&M vide R.C.No.573/Mines/2022 Dt: 16.08.2023 states permit issued quantity as on date is 1500 cu.m of Rough stone & remaining 2,61,365 cu.m of Rough stone
4. Now, the project proponent, Mr.K.Pooventhiran has applied for Environmental Clearance for the Existing Rough stone & Gravel quarry lease over an extent of 1.86.5Ha in S.F.No:387/A (Part), Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu.
5. 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 per 500m radius Cluster letter by DD, Dept. of G&M vide Lr. R.C.No.573/Mines/2022 Dt: 20.06.2023 (1.86.5 ha ~ B2 category).
6. The precise area communication was issued for the period of 5 Years vide Lr.


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R.C.No.573/Mines/2022 Dt: 10.05.2023. The approved mining plan for the period 5Years vide Ir. R.C.No.573/Mines/2022 Dt: 16.06.2023 and the production should not exceed 165581cu.m of rough stone. The annual peak production is 36458 cu.m of rough stone. The depth of mining upto 50m BGL.

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

- i. The project proponent shall furnish Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC and with mitigation measures for the non-compliance stated therein.
- ii. The PP and AD/DD, Department of G&M Shall furnish reasons/justification for area reduction from 3.90.0 ha to 1.86.5 ha.
- iii. The project proponent shall obtain and furnish existing pit dimension letter from AD/DD, Department of G&M for earlier mining leases.
- iv. The AD (Mines) shall certify whether any violation has occurred in the proposed mine lease under the provisions of MMDR Act, 1957 after having a through field investigation.

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: 402-23

(File No: 3296/2015)

Proposed Construction of additional residential and public buildings in Existing Township "Anuvijay Township" Kudankulam Nuclear Power Project at S.No.51/85,470/475,482,483,518/532 etc of Chettikulam Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by M/s.Nuclear Power Corporation of India Ltd (NPCIL) - For Amendment in Environmental Clearance. (SIA/TN/MIS/295756/2022, dated:26.12.2022)

Earlier, the proposal was placed in 361st SEAC meeting held on 10.03.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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. The SEAC noted the following:


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1. The Project Proponent, M/s.Nuclear Power Corporation of India Ltd (NPCIL) has applied for Amendment in Environmental Clearance for the Proposed Construction of additional residential and public buildings in Existing Township "Anuvijay Township" Kudankulam Nuclear Power Project at S.No.51/85,470/475,482,483,518/532 etc of Chettikulam Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of item 8(b) "Township and Area development project" of the Schedule to the EIA Notification, 2006.
3. EC issued Vide letter No.SEIAA/TN/F.3296/EC/8(b)/497/2016 dated:05.10.2016. Now the proposal was placed in 402nd meeting of SEAC held on 17.08.2023. Based on the presentation and details furnished by the project proponent, SEAC decided to defer and call for additional particulars as follows.

- 1.The PP shall furnish details of amendments asked for such as no.of.dwelling units, built-up area, population details, height etc., in a tabular form for each amendment requested.
2. The PP shall submit Certified Compliance Report obtained from the office of the concerned DEE/TNPCB (or) IRO, MoEF & CC, Chennai and the PP shall furnish appropriate mitigating measures for the non-compliance items, if any.
3. The PP shall submit DTCP approval for the completed construction activities.
4. The PP furnish photographs and video of the township developed so far.
- 5.The PP shall furnish green belt details.
- 6.The PP shall furnish capacity of De-salination plant and disposal of brine water into the sea.
7. If there is an increase in population, then the PP shall discuss about increased amount of fresh water intake, waste water disposal, STP capacity, solid waste production and disposal, e-waste generation etc.,

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.


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ANNEXURE-I


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

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


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


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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.


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

14. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
15. The Project Proponent shall comply with the provisions of the Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
16. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
17. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (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 Precise area communication letter issued by concerned District Collector should be strictly followed.
21. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory

obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

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

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


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ROUGH STONE/JELLY/BLUE METAL QUARRY

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

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

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

- 18) Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
- 19) The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
- 20) Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
- 21) Noise and Vibration Related: (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
- 22) The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 30 to 40 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting.
- 23) The PP shall also ensure that the blasting operations are not carried out on a 'day after day' basis and a minimum 24 hours break should be observed between blasting days to reduce the environmental impacts effectively.

- 24) If 'Deep-hole large diameter drilling and blasting' is required, then the PP shall obtain special permission from DGMS.
- 25) The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
- 26) The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
- 27) The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan & the approved Mine Closure Plan.
- 28) Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
- 29) The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
- 30) The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
- 31) The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent

shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.

- 32) To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
- 33) The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
- 34) The project proponent shall ensure that the provisions of the MMDR Act, 1957 & the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
- 35) The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
- 36) The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
- 37) All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
- 38) That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole

and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

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

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

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


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


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


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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.
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.
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.


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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 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.
 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).

II. 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 MoEF&CC/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	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentos</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murakkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலைவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweitenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலைவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி
18	<i>Creteva adansoni</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சீரு உவா
21	<i>Diospyro sebum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகளை
23	<i>Ficus amplissima</i>	Kallichi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்பூவாக
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயிலி மரம், ஆயிலி
27	<i>Lansia 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	வில்லா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	அரம்பா, பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Mamilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

40	<i>Premna mollissima</i>	Munnai	முள்ளை
41	<i>Premna serratifolia</i>	Narumunnai	500 முள்ளை
42	<i>Premna tomentosa</i>	Malapoovarasu	மலை பூங்க
43	<i>Prosopis cinerea</i>	Vanni maram	வள்ளி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வேண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Putterlickia roxburghii</i>	Karipala	கரிபாலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊதா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிப்புகள் சோப்புகாய்
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	தேத்தாள் கோட்டை
54	<i>Syzygium cumini</i>	Navai	நாவை
55	<i>Terminalia belleric</i>	Thandri	தாந்தி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேனி மருது
57	<i>Toona ciliate</i>	Sandhana vembu	சந்தாள் வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூங்க
59	<i>Walsuratrifoliata</i>	valsura	வால்சுரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பாலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கோடுக்கப்பூளி


 MEMBER SECRETARY
 SEAC -TN


 CHAIRMAN
 SEAC- TN

Appendix -III


Display Board

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

—கரங்கம்

செயல்பாடுகளுக்கான கற்றுத்தரல் அனுமதி கிடைக்காத நபர்களுக்கு உட்பட்ட
வழங்கப்பட்டுள்ளது SEAA, தேதி, கற்றுத்தரல் அனுமதி _____ தேதி வரை செயல்படுத்தக்கூடாது.

பலகை பகுதி வகை/பிரிவு	குவாந்திரின் எல்லைகளில் கற்று வேலை அளவகம் வேண்டும்
கொள்முதல்/விற்பனை செய்கிற திட்டம்	செயல்பாட்டின் ஆரம்ப தரப்பட்டதற்குப் பின்பு மீட்டிங் மூலம் இருக்க வேண்டும்
	கற்றுல் மீட்டிங் ஏற்படாததால் செயல்பாட்டை நிறுத்திவைக்க வேண்டும்.
புதிய/பழைய	வாணிக்யம் செயல்பாட்டின் மீட்டிங் ஏற்படாத அளவிற்கு தனித்தனியாக முடிவாக தள்ளி வைக்கப்படும் அல்லது நிறுத்தி வைக்க வேண்டும்.
புதிய/பழைய/மேம்படுத்தப்பட்ட/மேம்படுத்தப்படாத	இருக்காத அளவகம் தர மீட்டிங் மூலம் குறைபாடுகளை குவாந்திரின் எல்லைகளில் கற்று அடக்கப்படும் பலகை பகுதியை ஏற்படுத்த வேண்டும்.
	செயல்பாட்டில் செயல்பாட்டை நிறுத்திவைக்க ஏற்படாததால் மற்றும் கற்றுல் மீட்டிங் மூலம் செயல்பாட்டை நிறுத்திவைக்க வேண்டும்.
	செயல்பாட்டில் இருந்து ஏற்படும் இயல்பான அளவு 85 செ.மீ. (அல்லது அதற்கு மேல்) ஏற்படாததால் தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.
	செயல்பாட்டில் 18000 க்கு மேல் செயல்பாட்டில் உள்ள பணியாளர்களுக்கு தகுந்த பணியை, கட்டுவதை வழங்குவதற்கு கட்டுப்பாட்டை மேற்கொள்ள வேண்டும்.
	செயல்பாட்டின் கட்டுப்பாட்டில் உள்ள பணியை மற்றும் திட்டமிடல் பகுதியை கட்டுப்பாட்டில் வைக்க வேண்டும்.
	நிதிசார்பு பகுதியை கட்டுப்பாட்டில் வைக்க வேண்டும். நிதி தரவரிசை கட்டுப்பாட்டில் வைக்க வேண்டும்.
	செயல்பாட்டில் கட்டுப்பாட்டை கட்டுப்பாட்டில் வைக்க வேண்டும். நிதி தரவரிசை கட்டுப்பாட்டில் வைக்க வேண்டும்.
	செயல்பாட்டின் முடிவாக கட்டுப்பாட்டில் உள்ள திட்டத்தில் உள்ளவை செயல்பாட்டின் முடிவாக கட்டுப்பாட்டில் வைக்க வேண்டும்.
	செயல்பாட்டின் முடிவாக கட்டுப்பாட்டில் உள்ள திட்டத்தில் உள்ளவை செயல்பாட்டின் முடிவாக கட்டுப்பாட்டில் வைக்க வேண்டும்.
	முடிவாக கட்டுப்பாட்டில் உள்ள திட்டத்தில் உள்ளவை செயல்பாட்டின் முடிவாக கட்டுப்பாட்டில் வைக்க வேண்டும்.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN