

State Expert Appraisal Committee (SEAC)

Minutes of 447th meeting of the State Expert Appraisal Committee (SEAC) held on 22.02.2024 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Mining projects.

Confirmation of Earlier Minutes

The minutes of the 446th SEAC meeting held on 16.02.2024 were circulated to the Members in advance and as there are no remarks, the Committee decided to confirm the minutes.

Agenda No: 447-01

(File No: 10567/2023)

Proposed Rough Stone quarry over an extent of 2.44.0 Ha (Government Poramboke land) at S.F.No. 313/2(P) of Berigai Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. K. Narayanan – For Environmental Clearance.

(SIA/TN/MIN/453623/2023, Dated: 29.11.2023)

The proposal was placed for appraisal in this 447th meeting of SEAC held on 22.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. K. Narayanan has applied for Environmental Clearance for the Proposed Rough Stone quarry over an extent of 2.44.0 Ha (Government Poramboke land) at S.F.No. 313/2(P) of Berigai Village, Shoolagiri Taluk, Krishnagiri 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.

The consultant vide email dated 21.02.2024 has informed that the proponent is absent for the presentation/appraisal for this SEAC meeting since the Proponent is in process of obtaining Certified Compliance Report from the Concern Authority. Hence the SEAC decided to defer the proposal.

Agenda No: 447-02

(File No: 10574/2023)


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Proposed Black Granite quarry over an extent of 1.88.5 Ha at S.F.Nos. 1549/1, 1549/3 (Part) and 1550/3A (Part) of Sandanapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Thiru. V. Jayaprakash – For Environmental Clearance.
(SIA/TN/MIN/453667/2023, Dated: 02.12.2023)

The proposal was placed for appraisal in this 447th meeting of SEAC held on 22.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. V. Jayaprakash has applied for Environmental Clearance for the Proposed Black Granite quarry over an extent of 1.88.5 Ha at S.F.Nos. 1549/1, 1549/3 (Part) and 1550/3A (Part) of Sandanapalli Village, Denkanikottai Taluk, Krishnagiri 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 meeting, the Committee noted that the project proponent was absent for the meeting. Hence the subject was not taken up for discussion. Further, SEAC decided that the proponent shall furnish the proper reasons for absence.

Agenda No: 447-03

(File No: 10581/2023)

Proposed Rough Stone and Gravel quarry over an extent of 1.26.5 Ha at S.F.Nos. 182/2B and 182/2C of Vilangampadi Village, Tindivanam Taluk, Viluppuram District, Tamil Nadu by Thiru. S. Kumaresan – For Environmental Clearance.

(SIA/TN/MIN/454364/2023, Dated: 05.12.2023)

The proposal was placed for appraisal in this 447th meeting of SEAC held on 22.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. S. Kumaresan has applied for Environmental Clearance for the Proposed Rough Stone and Gravel quarry over an extent of 1.26.5 Ha at S.F.Nos. 182/2B and 182/2C of Vilangampadi Village, Tindivanam Taluk, Viluppuram District, Tamil Nadu.


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2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication was issued for the period of 5 years. The approved mining plan is for 5 Years. As per the approved mine plan, the annual peak production shall not exceed 4570 m³ of Rough Stone for an ultimate depth of 12m below ground level.
4. The salient features of the proposal are as follows:

File No	10581 / 2023	Category	B2 / 1(a)
Sl. No	Salient Features of the Proposal		
1	Name of the Owner/Firm	:	Thiru. S. Kumaresan, S/o. Suburayan, No.13, 1 st Cross Street, Pon Nagar, Reddiarpalayam Post, Pondicherry - 605 010.
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	:	182/2B and 182/2C
4	Village in which situated	:	Vilangampadi
5	Taluk in which situated	:	Tindivanam
6	District in which situated	:	Viluppuram
7	Extent of quarry (in ha.)	:	1.26.5 Ha
8	Latitude & Longitude of all corners of the quarry site	:	12°7'27.47"N to 12°7'34.71"N 79°36'12.86"E to 79°36'17.13"E
9	Topo Sheet No.	:	57 – P/12
10	Type of mining	:	Opencast Mechanized Mining
11	Life of Project	:	5 years
	Lease Period	:	5 years
	Mining Plan Period	:	5 years


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12	Mining Plan Details	:	As per approved Mining Plan		As modified by SEAC	
	Geological Resources m ³ (RoM)	:	Rough Stone	Gravel	Rough Stone	Gravel
		:	83,625 m ³	1264 m ³	-	-
	Mina ble Resources m ³ (RoM)	:	Rough Stone	Gravel	Rough Stone	Gravel
		:	21,956 m ³	204 m ³	-	-
	Annual Peak Production in m ³	:	Rough Stone	Gravel	Rough Stone	Gravel
:		4570 m ³	-	-	-	
	Ultimate Depth in meters	:	12m below ground level		-	
13	Depth of water table	:	60m-65m			
14	Man Power requirement per day:	:	12 Nos.			
15	Water requirement: 1. Drinking water 2. Utilized water 3. Dust suppression 4. Green belt	:	4.0 KLD 0.2 KLD 1.2 KLD 1.5 KLD 1.1 KLD			
16	Power requirement	:	17,602 Liters of HSD			
17	Precise area communication approved by Deputy Director, Department of G&M	:	Na.Ka.No.A/G&M/90/2023, Dated:24.11.2023			
18	Mining Plan approved by Deputy Director, Department of G&M	:	Rc.No.B/G&M/90/2023, Dated:28.11.2023			

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19	Department of G&M, Deputy Director 500m Cluster Letter	:	Rc.No.B/G&M/90/2023, Dated:28.11.2023
20	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated 30.11.2023
21	Project Cost (excluding EMP cost)	:	Rs. 44,72,000/-
22	EC Recommendation	:	Validity
			30 years subject to the following upper limits.
			Rough Stone Gravel
		:	Max Total RoM in m ³ 21,956 m ³ 204 m ³
		:	Annual Max RoM in m ³ 4570 m ³ -
		:	Ultimate Depth in mtrs 12m below ground level
23	EMP cost (in Rs. Lakh).	:	Capital Cost – Rs. 17.57 lakhs Recurring Cost – Rs. 3.34 lakhs
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 4570 m³ of Rough Stone by maintaining the ultimate depth of mining upto 12m 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 and renewed by competent authority, from time to time, subject to


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


- 2) The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
- 3) The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
- 4) The PP shall carry out the scientific studies **within a period of one year** from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the quarry, by involving anyone of these reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 5) The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation, and green belt development, in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
- 6) The PP shall not carry out the deep hole larger diameter blasting and the secondary blasting of oversize fragments /boulders during the life of the lease period.
- 7) As a part of Ground Water Management, the PP shall carry out the scientific studies to assess the existing hydrogeological condition and impacts of the

quarrying operation on the ground water level present & agricultural activities carried out in the core zone, within a period one year from the commencement of mining operations, by involving any one of the reputed Research and Academic Institution – NEERI-Taramani Campus, Chennai, NIRM/Bangalore, Tamil Nadu Agricultural University-Coimbatore, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

- 8) The PP shall obtain the necessary permission from the Director of Mines Safety/Regional Inspector of Mines, Chennai on extraction of common boundary/pillar within a period of one year from the commencement of mining operations for ensuring the safety aspects and obtain the modified Mining Plan indicating the revision of excavation volume accordingly from the concerned AD (Mines).
- 9) The PP shall **annually** carry out an Occupational Health Survey (OHS) in accordance with the guidelines & period of examination laid in the DGMS (Tech.) (S&T) Circular No. 01 of 2011, on OHS of the persons working in mines prone to generate the airborne dust, under Section 9A of Mines Act, 1952 by actively involving State Government officials and Non-Government Organizations (NGO) working in the Occupational Health Survey (Medical Examination). A copy of such annual compliance certificate shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 10) 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 Higher Secondary School, Thazhuthali Village, Tindivanam Taluk, Viluppuram District, before obtaining CTO from TNPCB.

Agenda No: 447-04

(File No: 10554/2023)


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Proposed Rough Stone & Gravel quarry over an extent of 0.77.0 Ha at S.F.No. 450/8(P) of Sirugudi Village, Natham Taluk, Dindigul District, Tamil Nadu by Thiru.N.Sekaran - For Environmental Clearance.

(SIA/TN/MIN/452769/2023, Dated: 25.11.2023)

The proposal was placed for appraisal in this 447th meeting of SEAC held on 22.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.N.Sekaran has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry over an extent of 0.77.0 Ha at S.F.No. 450/8(P) of Sirugudi Village, Natham Taluk, Dindigul District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication was issued for the period of 10 Years. The approved mining plan is for 5 Years. As per the approved mine plan, the annual peak production shall not exceed 5200m³ of Rough Stone for an ultimate depth of 12m below ground level.
4. The salient features of the proposal are as follows:

File No	10554/2023		Category	B2
	SIA/TN/MIN/452769/2023, Dated: 25.11.2023			
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Thiru. N. Sekaran, S/o. Nagamuthu, No.12-5, Chinnathoppu Street, Tiruppathur, Sivagangai District - 630 211.	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone & Gravel quarry	

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3.	S.F Nos. of the quarry site with area break-up	:	450/8(P)
4.	Village in which situated	:	Sirugudi
5.	Taluk in which situated	:	Natham
6.	District in which situated	:	Dindigul
7.	Extent of quarry (in ha.)	:	0.77.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	:	10°15'28.25"N to 10°15'31.68"N 78°19'12.19"E to 78°19'15.89"E
9.	Topo Sheet No.	:	58-J/08
10.	Type of mining	:	Opencast Mechanized Mining
11.	Life of Project	:	10 years
	Lease Period	:	10 years
	Mining Plan Period	:	5 years
12.	Mining Plan Details	:	As per approved Mining Plan
			Rough Stone Gravel
	Geological Resources m ³	:	202950m ³ 16236m ³
	Minable Resources m ³	:	42600m ³ 10112m ³
	Annual Peak Production in m ³	:	5200m ³ -
	Ultimate Depth in meters	:	12m below ground level
13.	Depth of water table	:	55m-60m below ground level
14.	Man Power requirement per day	:	16 Nos.
15.	Water requirement:		3.75 KLD
	1. Drinking water	:	1.75 KLD
	2. Dust suppression	:	1.0 KLD
	3. Green belt	:	1.0 KLD
16.	Power requirement	:	TNEB 35770 liters of HSD
17.	Precise area communication approved by the Assistant	:	Na.Ka.No.308/Kanimam/2023, dated:01.11.2023


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	Geologist / Assistant director (i/c), Department of G&M				
18.	Mining Plan approved by Assistant Geologist / Assistant director (i/c), Department of G&M	:	Rc.No.308/Mines/2022, dated:18.11.2023		
19.	500m Cluster Letter approved by Assistant Geologist / Assistant Director (i/c), Department of G&M	:	Rc.No.308/Mines/2022, dated:18.11.2023		
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 08.11.2023		
21.	Project Cost (excluding EMP cost)	:	Rs. 33,12,500/-		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Gravel
			Max Total in m ³	25820m ³	10112m ³
			Annual Max in m ³	5200m ³	-
			Ultimate Depth in mtrs	12m below ground level	
23.	EMP cost (in Rs. Lakh)	:	Capital Cost – Rs. 17.01 lakhs Recurring Cost – Rs. 2.68 lakhs		
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 5200m³ of Rough Stone by maintaining the ultimate depth of mining upto 12m below ground level and subject to

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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 strictly adhere to the provisions provided in the **Annexure to safeguard the existence of Reserved Forest/Reserve Land within 1 km from the project site.**
- 3) The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
- 4) The PP shall furnish the conceptual plan indicating the plan & sections of the proposed quarrying, location of haulroads keeping the benches intact so as to work the quarry systematically & safely in accordance with the provisions of MMR 1961, along with safety features so as to prevent any slope failures to the concerned DEE/TNPCB & the AD (Mines) before the execution of the lease.
- 5) The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
- 6) The PP shall carry out the scientific studies **within a period of one year** from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the quarry, by involving anyone of these reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG


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

- 7) The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation, and green belt development, in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
- 8) The PP shall not carry out the deep hole larger diameter blasting and the secondary blasting of oversize fragments /boulders during the life of the lease period.
- 9) As a part of Ground Water Management for the greenery environment, the PP shall carry out the scientific studies to assess the existing hydrogeological condition and impacts of the quarrying operation on the ground water level present & agricultural activities carried out in the core zone, **within a period one year from the commencement of mining operations**, by involving any one of the reputed Research and Academic Institution – NEERI-Taramani Campus, Chennai, NIRM/Bangalore, Tamil Nadu Agricultural University-Coimbatore, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 10) The PP shall obtain the necessary permission from the Director of Mines Safety/Regional Inspector of Mines, Chennai on extraction of common boundary/pillar within a period of one year from the commencement of mining operations for ensuring the safety aspects and obtain the modified Mining Plan indicating the revision of excavation volume accordingly from the concerned AD (Mines).
- 11) The PP shall **annually** carry out an Occupational Health Survey (OHS) in **accordance with the guidelines & period of examination laid in the DGMS (Tech.) (S&T) Circular No. 01 of 2011**, on OHS of the persons working in mines

prone to generate the airborne dust, under Section 9A of Mines Act, 1952 by actively involving State Government officials and Non-Government Organizations (NGO) working in the Occupational Health Survey (Medical Examination). A copy of such annual compliance certificate shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

- 12) Considering the greenery environment, the PP shall install tall sheet fencing for a height of 6 m with three-rows of thick green belt around the boundary lease of the proposed quarry before obtaining the CTO from the TNPCB.
- 13) As accepted by the Project Proponent the CER cost is **Rs. 5 Lakhs** and it shall be spent for the activities as committed towards Government Higher Secondary School, Sirugudi Village, Natham Taluk, Dindigul District, before obtaining CTO from TNPCB.

Agenda No: 447-05

(File No: 10561/2023)

Proposed Multi Colour Granite quarry over an extent of 1.05.1 Ha at S.F.No. 688/2 of Karikali Village, Gujiliamparai Taluk, Dindigul District, Tamil Nadu by M/s. Elephant Granites - For Environmental Clearance.

(SIA/TN/MIN/452878/2023, Dated: 25.11.2023)

The proposal was placed for appraisal in this 447th meeting of SEAC held on 22.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Elephant Granites has applied for Environmental Clearance for the Proposed Multi Colour Granite quarry over an extent of 1.05.1 Ha at S.F.No. 688/2 of Karikali Village, Gujiliamparai Taluk, Dindigul District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

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


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1. The PP shall obtain NBWL clearance since the Kadavur Slender Loris Sanctuary is located within 10km, i.e., 8.12 km, South East from the proposed project site.
2. The PP shall complete tree plantation as per norms and furnish the photographs of the same.

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 PARIVESH portal.

Agenda No: 447-06

(File No: 10575/2023)

Proposed Gravel quarry over an extent of 1.35.5 Ha at S.F.Nos. 113/1 & 113/3 of Thiruvanthipuram Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru. J. Parthasarathy - For Environmental Clearance.

(SIA/TN/MIN/441831/2023, Dated: 26.08.2023)

The proposal was placed for appraisal in this 447th meeting of SEAC held on 22.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

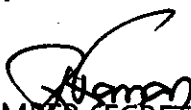
The SEAC noted the following:

1. The project proponent, Thiru. J. Parthasarathy has applied for Environmental Clearance for the Proposed Gravel quarry over an extent of 1.35.5 Ha at S.F.Nos. 113/1 & 113/3 of Thiruvanthipuram Village, Cuddalore Taluk, Cuddalore 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.

The Project Proponent vide letter dated 22.02.2024 has informed that he was not able to attend the meeting due to unavoidable circumstances. Hence, the subject was not taken up for discussion.

Agenda No: 447-07

(File No: 10582/2023)


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SEAC - TN


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Proposed Rough Stone quarry over an extent of 1.25.0 Ha (Government Poramboke land) at S.F.No. 35/3 (Part) of Eripudur Village, Vazhapadi Taluk, Salem District, Tamil Nadu by Thiru. R. Rajmohan - For Environmental Clearance.

(SIA/TN/MIN/431263/2023, Dated: 28.05.2023)

The proposal was placed for appraisal in this 447th meeting of SEAC held on 22.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. R. Rajmohan has applied for Environmental Clearance for the Proposed Rough Stone quarry over an extent of 1.25.0 Ha (Government Poramboke land) at S.F.No. 35/3 (Part) of Eripudur Village, Vazhapadi Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication was issued for the period of 10 Years. The approved mining plan is for 5 Years. As per the approved mine plan, the annual peak production shall not exceed 31540m³ of Rough Stone for an ultimate depth of 90m (53m AGL + 37m BGL).
4. Earlier, the project proponent has obtained EC from DEIAA vide Lr.No.DEIAA-DIA/TN/MIN/18938/2018-SLM-EC.No.58/2018 dated: 05.12.2018 for the production quantity of 2,15,396m³ of Rough Stone upto the depth of 38m.
5. The Environmental Clearances issued by DEIAAs which are valid as on date shall continue to be valid for one year from the date of issue of OM dated 28.04.2023.
6. This is with reference to the Ministry's OM dated 28.04.2023, wherein the Ministry has directed that, all valid Environmental Clearances (ECs) issued by DEIAA shall be reappraised through SEAC/SEIAA in compliance of the order of the Hon'ble NGT in O.A.142 of 2022 and hence this proposal has been placed in the SEAC for appraisal of the existing mine.
7. Here it is noted that the S.O. 1807 (E) dated 12.04.2022 provides that the Environmental Clearance granted for mining projects shall be valid for the


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Project Life as laid down in the Mining Plan approved and renewed by the competent authority. If the benefit of S.O. 1807 (E) dated 12.04.2022 is extended to the petitioners who have been issued Environmental Clearances between 15.01.2016 and 13.09.2018 by DEIAAs, the Environmental Clearances will be valid for the Project Life as laid down in the Mining Plan approved and renewed by the competent authority. Hence, in view of the stand taken by the MoEF & CC in their Office Memorandum dated 03.11.2023, it has been clearly commented that all the respondent statutory authorities shall treat the Environmental Clearance issued by DEIAAs between 15.01.2016 and 13.09.2018 as valid up to 28.04.2024 or till orders are passed by SEIAA after reappraisal, whichever is earlier, subject to availability of project life as laid down in the Mining Plan approved and renewed by the competent authority and mineable reserves and on condition that the petitioners satisfy all other statutory requirements.

8. The required Certified Compliance Report (CCR) has been obtained from Regional Office, MoEF&CC vide EP/12.1/2023-24/SEIAA/119/TN/154 Dated: 13.02.2024.

9. The salient features of the proposal are as follows:

File No	10582/2023		Category	B2
	SIA/TN/MIN/431263/2023, Dated: 28.05.2023			
Sl.No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Thiru. R. Rajmohan, S/o. Thiru. Rajappan, No.2/248, Kariyanpudur, Pappinaickenpatty - Post, Namakkal District - 637 003.	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone quarry	

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3.	S.F Nos. of the quarry site with area break-up	:	35/3 (Part)
4.	Village in which situated	:	Eripudur
5.	Taluk in which situated	:	Vazhapadi
6.	District in which situated	:	Salem
7.	Extent of quarry (in ha.)	:	1.25.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	:	11°41'54.55"N to 11°41'59.77"N 78°17'40.87"E to 78°17'44.81"E
9.	Topo Sheet No.	:	58-I/06
10.	Type of mining	:	Opencast Mechanized Mining
11.	Life of Project	:	10 years
	Lease Period	:	10 years
	Mining Plan Period	:	5 years
12.	Mining Plan Details	:	As per approved Mining Plan
		:	Rough Stone
	Geological Resources m ³	:	323272m ³
	Mineable Resources m ³	:	204626m ³
	Annual Peak Production in m ³	:	31540m ³
	Ultimate Depth in meters	:	90m (53m AGL + 37m BGL)
13.	Depth of water table	:	55m-60m below ground level
14.	Man Power requirement per day	:	23 Nos.
15.	Water requirement:		1.0 KLD
	1. Drinking water	:	0.2 KLD
	2. Dust suppression	:	0.5 KLD
	3. Green belt	:	0.3 KLD
16.	Power requirement	:	TNEB 1,28,720 Liters of HSD
17.	Precise area communication approved by the District Collector	:	Na.Ka.No.568/2018/Kanimam/A, dated:01.10.2018

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18.	Mining Plan approved by Deputy Director (i/c), Department of G&M.	:	Roc.568/2018/Mines-A, dated:10.11.2018
19.	500m Cluster Letter approved by Deputy Director, Department of G&M	:	Roc.No.720/2023/Mines-A, dated:25.10.2023
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 09.10.2023
21.	Project Cost (excluding EMP cost)	:	Rs. 61,75,000/-
22.	EC Recommendation	:	Validity
		:	30 years subject to the following upper limits.
		:	Rough Stone
		:	Max Total in m ³
		:	Annual Max in m ³
		:	Ultimate Depth in mtrs
23.	EMP cost (in Rs. Lakh)	:	Capital Cost – Rs. 21,27,500/- Recurring Cost – Rs. 14,96,348/-
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 31540m³ of Rough Stone by maintaining the ultimate depth of mining upto 90m (53m agl + 37m bgl) and subject to the standard conditions as per the Annexure 1 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


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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) Tree plantation & fencing and installation of garland drainage with siltation tank around the mine lease area shall be completed before execution of the mine lease.
- 3) The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
- 4) The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
- 5) The PP shall obtain a relaxation to maintain the benches possessing more than 6m height under Reg. 106 (2) (a) of MMR 1961 from the office of the DGMS, Chennai Region, Chennai before executing the lease with the Competent Authority without fail.
- 6) **Since the structures and habitations situated within a radial distance of 500 m,** the PP shall carry out the scientific studies **within a period of six months** from the commencement of quarrying operations with prior permission from the DMS/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 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.


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- 7) The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation, and green belt development, in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
- 8) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry walls in a hilly terrain within a period of six months from the commencement of mining operations **for evaluating the slope stabilization & protective measures while designing the proposed benches**, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 9) As accepted by the Project Proponent the CER cost is **Rs. 5 Lakhs** and it shall be spent for the activities as committed towards Public Union Primary School, A. N. Mangalam, Salem District, before obtaining CTO from TNPCB.

Agenda No: 447-08

(File No: 10596/2023)

Proposed Rough Stone & Gravel quarry over an extent of 1.35.0 Ha at S.F.Nos. 33/1 & 40/1(Part) of Jadayampalayam Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Tvl. Saravana Blue Metals Industry - For Environmental Clearance. (SIA/TN/MIN/452061/2023, Dated: 11.11.2023)

The proposal was placed for appraisal in this 447th meeting of SEAC held on 22.02.2024. 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. Saravana Blue Metals Industry has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry over


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an extent of 1.35.0 Ha at S.F.Nos. 33/1 & 40/1(Part) of Jadayampalayam Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu.

2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication was issued for the period of 5 Years. The approved mining plan is for 5 Years. As per the approved mine plan, the annual peak production shall not exceed 21200m³ of Rough Stone (2nd & 3rd year) and 6272m³ of Gravel (1st year) for an ultimate depth of 27m below ground level.

Based on the presentation made and documents submitted and from the KML file uploaded in the PARIVESH Portal, SEAC noted the following.

1. A dyeing industry is located at a distance of 190m i.e. within 200m radius from the project site. In that industry, 13 employees are working and the working hours of the dyeing industry is 7AM to 11AM.
2. Two existing operating quarries are abutting the boundary of the proposed quarry and hence the commencement of one more quarry (current proposal) operation in the same area will lead to excessive dust and noise pollution load disrupting the existing environmental settings.
3. Structures such as House & shed (60m), Cattle shed (160m), Farmhouse (190m), Dyeing factory (190m), Warehouse (210m), Mines office (250m), Shed (280m) and also a crusher is located at a distance of 210m which will be affected due to the quarrying activities in terms of dust and noise pollution.
4. An odai is located at a distance of 15m from the boundary of the proposed quarry. The flow of water in the odai may be affected due to dumping of quarry waste / quarry operation.
5. Nearest habitation (approximately 90 houses) is located at a distance of 400m from the project site.

In view of the above sensitivities, the Committee decided not to recommend the proposal for grant of Environmental Clearance.

Agenda No:477-09

(File No: 10289/2023)


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Proposed Multi Colour Granite quarry over an extent of 1.48.0 Ha at S.F.No. 81/2A, 2B, 2C, 2D, 2E, 3, 81/12A(P), 178/20C, 178/20D & 178/21 of Irumbali Village, Kulathur Taluk, Pudukottai District, Tamil Nadu by Thiru. D.Benet Anthony Raj-For Environmental Clearance. (SIA/TN/MIN/438575/2023, Dated:31.07.2023).

The proposal was placed in the 447th Meeting of SEAC held on 22.02.2024. During the meeting, the Proponent has requested for additional time to produce Certified Compliance Report for the earlier EC issued. Hence, the subject was not taken up for discussion.

Agenda No: 447-10

(File No:10576/2023)

Proposed Ordinary Earth quarry lease over an extent of 2.22.0 Ha at S.F.No. 82 (P) of Karanai Village, Thirupporur Taluk, Chengalpattu District, Tamil Nadu by M/s. SVR Associates - For Environmental Clearance. (SIA/TN/MIN/452402/2022, Dated: 28.11.2023).

The proposal was placed for appraisal in the 447th meeting of SEAC held on 22.02.2024. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. SVR Associates has applied seeking Environmental Clearance for the Proposed Ordinary Earth quarry lease over an extent of 2.22.0 Ha at S.F.No. 82 (P) of Karanai Village, Thirupporur Taluk, Chengalpattu 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	10576/ 2023	Category	B2 / 1(a)
Sl. No	Salient Features of the Proposal		
1	Name of the Owner/Firm	M/s.SVR Associates, : (Engineers&Contactor), Proprietor S.Rajendran,	

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		No.29/11, Chinna Mettupalayam, 2nd street, Thiruvottriyur, Chennai – 600019.
2	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	: Ordinary Earth
3	S.F Nos. of the quarry site with area break-up	: 82(P)
4	Village in which situated	: Karanai
5	Taluk in which situated	: Thiruporur
6	District in which situated	: Chengalpattu
7	Extent of quarry (in ha.)	: 2.22.0 Ha
8	Latitude & Longitude of all corners of the quarry site	: 12°37'33.51"N to 12°37'38.53"N 80°07'48.14"E to 80°07'55.54"E
9	Topo Sheet No.	: 60 D/02
10	Type of mining	: Opencast Shallow Mining
11	Life of Project	: 60 days
	Lease Period	: 60 days
	Mining Plan Period	: 60 days
12	Mining Plan Details	: As per approved Mining Plan Ordinary Earth
	Geological Resources m ³ (RoM)	: 19,980 m ³
	Mineable Resources m ³ (RoM)	: 19,980 m ³
	Peak Production in m ³	: 19,980 m ³
	Ultimate Depth in meters	: 0.90m
13	Depth of water table	: 28m BGL
14	Man Power requirement per day:	: 7 Nos.
15	Water requirement:	: 2.5 KLD
	i) Drinking Water & Domestic	: 1.5 KLD

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	Purpose ii) Dust suppression iii) Green belt	0.5 KLD 0.5 KLD											
16	Power requirement	:	-										
17	Precise area communication approved by Assistant Director (i/c), Department of G&M	:	Rc.No.155/Kanimam/2023, Dated:16.06.2023										
18	Mining Plan approved by Assistant Director (i/c), Department of G&M	:	Rc.No.155/Kanimam/2023, Dated:07.07.2023										
19	Department of G&M, Assistant Director (i/c) 500m Cluster Letter	:	Rc.No.155/Kanimam/2023, Dated:18.10.2023										
20	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated:28.10.2023										
21	Project Cost (excluding EMP cost)	:	Rs. 4.53 Lakhs										
22	EC Recommendation	:	<table><tr><td>Validity</td><td>30 years subject to the following upper limits.</td></tr><tr><td></td><td>Ordinary Earth</td></tr><tr><td>Max Total RoM in m³</td><td>19,980 m³</td></tr><tr><td>Max RoM in m³</td><td>19,980 m³</td></tr><tr><td>Ultimate Depth in mtrs</td><td>0.90m</td></tr></table>	Validity	30 years subject to the following upper limits.		Ordinary Earth	Max Total RoM in m³	19,980 m³	Max RoM in m³	19,980 m³	Ultimate Depth in mtrs	0.90m
		Validity	30 years subject to the following upper limits.										
			Ordinary Earth										
		Max Total RoM in m³	19,980 m³										
Max RoM in m³	19,980 m³												
Ultimate Depth in mtrs	0.90m												
23	EMP cost (in Rs. Lakh).	:	Capital cost – Rs.13.61 Lakhs recurring cost – Rs.1.72 Lakhs										
24	CER cost (in Rs. Lakh).	:	Rs. 3,00,000/-										

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 quantity of 19,980 m³ of Ordinary Earth by restricting the ultimate depth of mining up to 0.9m and for the period 60 days** 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, in addition to the standard conditions & normal conditions stipulated by MOEF &CC:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life for a period of not exceeding 60 days from the date of lease execution.
2. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
3. The PP shall install the tall wind sheets around the lease boundary directing the structures located nearby and water shall be sprayed frequently so as to arrest the dust pollution.
4. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
5. The PP shall carry out the required number of plantations as committed in the EMP without deviation before obtaining the CTO from the TNPCB.
6. The PP shall not carry out drilling & blasting operations in the proposed quarry.
7. The PP shall install a bio-toilet for the convenience of the workmen before obtaining the CTO from the TNPCB.
8. As accepted by the Project Proponent the CER cost of **Rs. 3,00,000/-** and the amount shall be spent for the committed activities Panchayat Union Primary School at Karanai Village before obtaining CTO from TNPCB.

Agenda No: 447-11

(File No: 10597/2023)

Proposed Rough Stone and Gravel Quarry over an extent of 1.03.0 Ha at S.F.Nos.191/10D & 191/11 of Kondampatti Village, Kinathukadavu Taluk, Coimbatore


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District, Tamil Nadu by Tmt.R.Malathi - For Environmental Clearance.
(SIA/TN/MIN/453997/2023, Dated: 01.12.2023).

The proposal was placed in the 447th Meeting of SEAC held on 22.02.2024. 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.Malathi has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an extent of 1.03.0 Ha at S.F.Nos.191/10D & 191/11 of Kondampatti Village, Kinathukadavu Taluk, Coimbatore 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 proposed lease area was quarried by Thiru.S.Kumarasamy and EC obtained from DEIAA vide Lr.No.DEIAA-CBE-I/F.No.231/3(a)/EC.No:03/2017 dated: 12.06.2017 for the period of 5 years with respect to lease period.
4. Existing Pit-11m
5. The salient features of the proposed project as follows

File No	10597		Category	"B2" 1(a)
	SIA/TN/MIN/453997/2023, Dated:01.12.2023			EC
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Tmt. R.Malathi, W/o. Kalaikumar, No.26A, P.R.R. Nagar, 3rd Street, P.N. Pudhur, Coimbatore District – 641 041.	
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	:	191/10D & 191/11	
4.	Village in which situated	:	Kondampatti	
5.	Taluk in which situated	:	Kinathukadavu	
6.	District in which situated	:	Coimbatore	
7.	Extent of quarry (in ha.)	:	1.03.0 Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	10°50'14.46"N to 10°50'19.91"N 77°03'08.48"E to 77°03'11.61"E	
9.	Topo Sheet No.	:	58F/01	
10.	Type of mining	:	Opencast Semi mechanized Mining	
11.	Life of Project	:	5 years	
	Lease Period	:	5 years	
	Mining Plan Period	:	5 years	
12.	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough Stone – 3,49,583 m ³	Rough Stone – 3,49,583 m ³
		:	Gravel – 150 m ³	Gravel – 150 m ³
	Minable Resources m ³ (RoM)	:	Rough Stone – 1,11,223 m ³	Rough Stone – 1,11,223 m ³
	Annual Peak Production in m ³	:	Rough Stone – 26,949 m ³	Rough Stone – 26,949 m ³
	Maximum Depth in meters	:	47m BGL	
13.	Depth of water table	:	68m BGL	
14.	Man Power requirement per day:	:	18 Nos.	


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15.	Water requirement: 1. Drinking water & Domestic 2. Dust suppression 3. Green belt	:	1.5 KLD 0.4 KLD 0.6 KLD 0.5 KLD	
16.	Power requirement	:	-	
17.	Precise area communication approved by the Joint Director / Assistant Director(i/c), Department of Geology and Mining	:	Rc.No. 341/Mines/2023 Dated;05.10.2023	
18.	Mining Plan approved by Joint Director / Assistant Director(i/c), Department of Geology and Mining	:	Rc.No. 341/Mines/2023 Dated;09.11.2023	
19.	Joint Director / Assistant Director(i/c), Department of Geology and Mining, 500m Cluster Letter	:	Rc.No. 341/Mines/2023 Dated;09.11.2023	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 25.10.2023	
21.	Project Cost (excluding EMP cost)	:	Rs. 46,46,000/-	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
		:		Rough Stone
		:	Max Total RoM in m³	1,11,223 m³

		: Annual Max RoM in m ³	26,949m ³
		: Max Depth in mtrs	47m BGL
23.	EMP cost (in Rs. Lakh).	: Capital cost – Rs.20,32,100/- recurring cost – Rs.13,64,639.8/-	
24.	CER cost (in Rs. Lakh).	: Rs. 5,00,000 /- as accepted by the PP	

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not **exceeding 26,949m³ of rough stone by maintaining the ultimate depth of mining upto 47m 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) Tree plantation & fencing and installation of garland drainage with siltation tank around the mine lease area shall be completed before execution of the mine lease.
- 3) The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
- 4) The PP shall extract the common boundary existing with neighbouring mine following the design & methodology duly approved by the Competent Authority in the approved Mining Plan, under the provisions of Reg. 111(3) of MMR 1961 after obtaining necessary permission from the office of the DGMS, Chennai Region, Chennai.


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- 5) The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
- 6) **Since the structures are situated within a radial distance of 500 m**, the PP shall carry out the scientific studies **within a period of six months** from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 7) The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation and green belt development, in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
- 8) The PP shall carry out the scientific studies to assess the slope stability of the working benches **within a period of two years from the date of lease execution** for evaluating the stability of existing quarry wall and to design the proposed highwalls for ensuring the safety of the persons employed in the mines 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.

- 9) As accepted by the Project Proponent the CER cost is **Rs. 5 Lakhs** and the amount shall be spent towards Panchayat Union Middle School, Kondampatti for the activities as committed before obtaining CTO from TNPCB.

Agenda No: 447 - 12

(File No: 10519/2024)

Proposed Rough stone and Gravel Quarry lease over a total extent of 0.52.74 Ha in S.F. Nos; 342/4 (0.43.5 Ha) & 342/5 (part) (0.09.24 Ha) at Ariyur Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru.A.Rupeshkumar- For Environment Clearance. (SIA/TN/MIN/454013/2023dt 01/12/2023)

The proposal was placed in this 447th meeting of SEAC held on 22.02.2024. 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.A.Rupeshkumar has applied seeking Environment Clearance for the proposed Rough stone and Gravel Quarry lease over an extent of 0.52.74 Ha in S.F.Nos; **342/4** (0.43.5 Ha) & **342/5 (part)** (0.09.24 Ha) at 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.

On perusal of the KML file furnished by the Project Proponent, the Committee noticed that

- (i) **The Edayarsathu habitation is located at a distance of 290m** from the boundary of the mine lease area.
- (ii) **The railway track line lies at 55 to 60m** from the boundary of the mine lease.
- (iii) **The quarry is located at the upstream of the water tank.**
- (iv) **The quarrying area in the granted leasehold area is very smaller** for carrying the systematically, scientifically, and economically following the provisions of Act, Rules Regulations and the Notifications made thereunder the provisions of Mines Act 1952 & EP Act 1986 to safeguard the men and to


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protect the environment.

(v) Further, the SEAC further noted that,

As per the amendment to Tamil Nadu Minor Mineral Concession Rules, 1959 issued vide G.O.Ms.No.88 Industries (MMC.1) Department dated 18.10.2002, sub-rule 1-A has been inserted to rule 36 which reads as follows:

*“(a). No lease shall be granted for quarrying **stone** within 300 meters (three hundred meters) from any **inhabited site**.”*

The terminology of ‘stone’ and ‘inhabited site’ are defined in sub-rule of TNMMCR 1959 as follows:

“(ii-a) ‘stone’ shall mean rough stones including khandas, boulders, size-reduced (broken or crushed) materials including metal jelly, ballasts, mill stones, hand chakais and building and road construction stones other than black, red, pink, grey, green, white or other coloured or multi coloured granites or any other rocks suitable for use as ornamental and decorative stones”

(iii) ‘inhabited site’ shall mean a village site or town site or a house site as referred to in the revenue records or a house site or layout approved by a Local Body or Town or Country or Metropolitan Planning Authority, where the said Body or Authority is created under a statute and empowered to approve such an area as a house site or layout area.

In view of the above, the SEAC **decided not to recommend** Environmental Clearance for the project.

Agenda No: 447 - 13

File No: 10459/2023

Proposed Rough Stone & Gravel quarry lease over an extent of 2.02.0 ha in S.F. No. 482/2C (P) at Munnur Village, Pugalur Taluk, Karur District, Tamil Nadu by Tmt. N. Latha - For Environmental Clearance. (SIA/TN/MIN/447026/2023, Dated: 05.10.2023)

The proposal was placed in the 447th SEAC meeting held on 22.02.2024. 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).


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The SEAC noted the following:

1. The Project Proponent, Tmt. N. Latha has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease over an extent of 2.02.0 ha in S.F. No. 482/2C (P) at Munnur Village, Pugalur Taluk, Karur 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 10 years. The mining plan is for 5 years (two spells) & production should not exceed 2,58,440m³ of Rough Stone & 30,772 m³ of Gravel. The annual peak production 29,250 m³ of Rough Stone & 10,780 m³ of Gravel. The ultimate depth of mining is 44m BGL.
4. Earlier the proponent had applied for Terms of Reference vide **SIA/TN/MIN/78982/2022 dated 25.06.2022** and subsequently the proponent intended to withdraw the ToR application claiming that the proposal falls under 'B2' category.
5. Based on the above, the proposal was placed in 357th SEAC meeting 23.02.2023 and based on the reply furnished by the PP, committee decided to reiterate the recommendations already made in its 312th & 328th meeting held on 16.09.2022 & 11.11.2022 respectively and accepted the withdrawal request made by the PP.
6. Subsequently, the subject was placed in 649th SEIAA meeting held on 23.08.2023. The authority, after carefully taking into consideration the revised cluster letter of Deputy Director dated: 31.07.2023 & the affidavit from Thiru. R. Natarajan dated: 20.07.2023, decided to accept the proponent's request to consider the proposal under 'B2' category. Hence, the proponent shall apply accordingly.
7. The salient features of the proposal are as follows:

File No	10459/2024	Category	B2
	447026/2023		1(a)
Sl. No	Salient Features of the Proposal		


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1.	Name of the Owner/Firm	:	Tmt.N.Latha, W/o. Natarajan, Door No. 6/67E, Ganapathypalayam, Vettamangalam West Cross Street, Pugalur Taluk, Karur District - 639117.	
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	:	482/2C (Part)	
4.	Village in which situated	:	Munnur	
5.	Taluk in which situated	:	Pugalur	
6.	District in which situated	:	Karur	
7.	Extent of quarry (in ha.)	:	2.02.0Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	10°59'22.62"N to 10°59'28.66"N 77°53'37.48"E to 77°53'43.22"E	
9.	Topo Sheet No.	:	58-F/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	As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough Stone	Rough Stone
		:	8,05,000 m ³	
		:	Gravel	Gravel
		:	40,250 m ³	
	Minaable Resources m ³ (RoM)	:	Rough Stone	Rough Stone
		:	2,58,440m ³	
:		Gravel	Gravel	

			30,772m ³	
			Rough Stone	Rough Stone
	Annual Peak Production in m ³	:	29,250 m ³	
			Gravel	Gravel
			10,780m ³	
	Maximum Depth in meters	:	44m BGL	
13.	Depth of water table	:	68-73 m	
14.	Man Power requirement per day:	:	20 Nos	
15.	Water requirement: 1. Drinking & utilized water 2. Dust suppression 3. Green belt	:	3.0 KLD 0.5 KLD 1.5 KLD 1.0 KLD	
16.	Power requirement	:	TNEB 1,02,528 Litres of HSD	
17.	Precise area communication approved by Deputy Director, Geology & Mining	:	Na.Ka No.433/Kanimam/2021, dated: 11.03.2022	
18.	Mining Plan approved by Deputy Director, Dept of Geology & Mining.	:	Rc.No.433/Mines/2021, dated: 06.05.2022	
19.	Department of G&M, Deputy Director, 500m Cluster Letter	:	Rc.No.433/Mines/2021-3, dated: 31.07.2023.	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 02.05.2022	
21.	Project Cost (excluding EMP cost)	:	Rs. 36,05,000	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.



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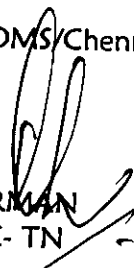
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			Rough Stone Quarry	Gravel
		: Max Total RoM in m ³	2,58,440m ³	30,772 m ³
		: Annual Max RoM in m ³	29,250 m ³	10,780 m ³
		: Max Depth in mtrs	44m BGL	
23.	EMP cost (in Rs. Lakhs).	: Capital Cost – Rs. 24,31,400 Recurring Cost – Rs. 14,62,112		
24.	CER cost (in Rs. Lakhs).	: Rs. 5,00,000		

Now the proposal was again placed in 447th SEAC meeting held on 22.02.2024. 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 29,250 m³ of rough stone & 10,780m³ of Gravel by maintaining the ultimate depth of mining up to 44m 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 mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
3. The PP shall appoint a statutory Mine Manager possessing the I / II Class Mines Manager Certificate of Competency (R/UR) under MMR 1961 before executing the lease and a copy of such appointment shall be sent to the DMS/Chennai


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Region atleast 30 days before the commencement of the mining operations without fail.

4. The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
5. **Since the structures are situated within a radial distance of 500 m**, the PP shall carry out the scientific studies **within a period of one year** from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
6. The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation and green belt development, in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution
7. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 4th 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


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

8. **Since the waterbodies are situated nearby**, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within a period of six months from the date of lease execution, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
9. Tree plantation & fencing and installation of garland drainage with siltation tank around the mine lease area shall be completed before execution of the mine lease.
10. As accepted by the Project Proponent the CER cost of **Rs. 5 Lakhs** and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, Velampalayam Village, K. Paramathi Taluk, Karur District before obtaining CTO from TNPCB.

Agenda No: 447 - 14

File No: 10557/2023

Proposed Rough Stone & Gravel quarry lease over an extent of 0.97.0 ha in S.F. No. 513/1A, 513/2 & 513/3 at Soorampatti Village, Musiri Taluk, Tiruchirappalli District, Tamil Nadu by Thiru. S. Sulaiman - For Environmental Clearance.

(SIA/TN/MIN/452553/2023, Dated: 25.11.2023)

The proposal was placed in the 447th SEAC meeting held on 22.02.2024. 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 SEAC noted the following:

1. The Project Proponent, Thiru. S. Sulaiman has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease over an extent


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of 0.97.0 ha in S.F. No. 513/1A, 513/2 & 513/3 at Soorampatti Village, Musiri Taluk, Tiruchirappalli 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 2 years. The mining plan is for 2 years & production should not exceed 42,640m³ of Rough Stone & 9,880m³ of Gravel. The annual peak production 21,840m³ of Rough Stone & 9,880m³ of Gravel. The ultimate depth of mining is 17m BGL.

The proposal was placed in the 447th SEAC meeting held on 22.02.2024. Based on the presentation and document furnished by the proponent, SEAC noted the following.

1. Kenipallam habitation is located at a distance of 250m (approximately) in the southern direction from the proposed mine lease area and hence, habitation falls within 300m radius.

Hence, this proposal attracts the following legal implications:

As per the amendment to Tamil Nadu Minor Mineral Concession Rules, 1959 issued vide G.O.Ms.No.88 Industries (MMC.1) Department dated 18.10.2002, sub-rule 1-A has been inserted to rule 36 which reads as follows:

*"(a). No lease shall be granted for quarrying **stone** within 300 meters (three hundred meters) from any **inhabited site**."*

*The terminology of '**stone**' and '**inhabited site**' are defined in sub-rule of TNMMCR 1959 as follows:*

*"(ii-a) '**stone**' shall mean rough stones including khandas, boulders, size-reduced (broken or crushed) materials including metal jelly, ballasts, mill stones, hand chakais and building and road construction stones other than black, red, pink, grey, green, white or other coloured or multi coloured granites or any other rocks suitable for use as ornamental and decorative stones"*

*(iii) '**inhabited site**' shall mean a village site or town site or a house site as referred to in the revenue records or a house site or layout approved by a Local Body or Town or Country or Metropolitan Planning Authority, where the said Body or Authority is created under a statute and*


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empowered to approve such an area as a house site or layout area.

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

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

In view of the above reasons, the SEAC decided that grant of Environmental Clearance for this proposal will be detrimental to the people living in the habitation within 300m from the proposed mine lease area and consequently decided not to recommend for grant of Environmental clearance.

Agenda No: 447 - 15

File No: 10571/2023

Proposed Rough Stone & Gravel quarry lease over an extent of 0.99.0 ha in S.F. No. 25/11B & 25/16 (P) at Pukkampatti Village, Mettur Taluk, Salem District, Tamil Nadu by Thiru. M. Subash - For Environmental Clearance.

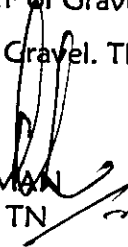
(SIA/TN/MIN/441175/2023, Dated: 21.08.2023)

The proposal was placed in the 447th SEAC meeting held on 22.02.2024. 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 SEAC noted the following:

1. The Project Proponent, Thiru. M. Subash has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease over an extent of 0.99.0 ha in S.F. No. 25/11B & 25/16 (P) at Pukkampatti Village, Mettur Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 5 years. The mining plan is for 5 years & production should not exceed 53,031m³ of Rough Stone & 1,610m³ of Gravel. The annual peak production 11,990m³ of Rough Stone & 1,610m³ of Gravel. The


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ultimate depth of mining is 42m BGL.

During the presentation, EIA coordinator mentioned that the proponent has not registered the lease deed and hence requested the committee to defer the subject. Hence, the subject was not taken up for appraisal.

Agenda No: 447 - 16

(File No.10572/2023)

Proposed Rough Stone and gravel quarry lease over an extent 0.80.5Ha (Patta land) at S.F.No. 2/1A (P) of Santhiyur Village, Salem Taluk, Salem District, Tamil Nadu by Thiru. S. Saravanan - For Environmental Clearance.

(SIA/TN/MIN/435960/2023 dated:07.07.2023)

The proposal was placed for appraisal in the 447th Meeting of SEAC held on 22.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, **Thiru. S. Saravanan** has applied for Environmental Clearance for the Proposed Rough Stone and gravel quarry lease over an extent 0.80.5Ha (Patta land) at S.F.No. 2/1A (P) of Santhiyur Village, Salem Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proponent has obtained EC from DEIAA vide Lr.No.DEIAA-DIA/TN/MIN/13953/2018-SLM-EC.No.05/2018 dated.19.05.2018. The EC was accorded for the quantity of 44,250m³ of rough stone & 10604m³ of gravel up to the depth of 22m below ground level.
4. Now, based on MoEF&CC O.M dated.24.04.2023, the proponent has submitted the application at SEIAA-TN for re-appraisal of EC granted by DEIAA.
5. Further, the proponent has submitted the approved scheme of mining for the period 2023-2028.

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


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- i) The project proponent shall submit a Certified Compliance Report as per the MoEF&CC O.M dated.08.06.2022 for the previous EC obtained from DEIAA dated.19.05.2018.

On receipt of the same, further deliberations shall be done. Hence, the proponent is advised to submit the details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.

Agenda No: 447-17

(File No: 10566/2023)

Proposed Rough stone & Gravel quarry lease over an extent of 4.98.0Ha at SF.Nos. 345 and 344(P) of Perungudi Part-I Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by Thiru. K. Sureshkumar - For Environmental Clearance.
(SIA/TN/MIN/453634/2023, Dated:01.12.2023).

The proposal was placed in 447th meeting of SEAC held on 22.02.2024. 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.Sureshkumar has applied for Environmental Clearance for the Proposed Rough stone & Gravel quarry lease over an extent of 4.98.0Ha at SF.Nos. 345 and 344(P) of Perungudi Part-I Village, Radhapuram Taluk, Tirunelveli 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 details furnished by the project proponent, the SEAC has observed the following:

1. There are significant number of wind mills are installed and operating in the 'Windfarm' zone where the mine leasehold has been now granted by the Department of Geology and Mining.
2. The wind mills are generally installed with an anticipated life of 25 years for generating power through non-renewable source of wind. It requires a prior permission to be obtained from the competent authority (TEDA) for installation with duly certified by the NIWE and require consent from TANGEDCO for the subsequent operation so as to connect with Grid.


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3. The PP has claimed that two numbers of windmill structures existing within the mine leasehold area granted by the concerned AD (Mines) has been dismantled for accommodating the mining of rough stone & gravel.
4. As per the Mining Plan approved by the concerned AD (Mines), the proposed quarrying operation involves the blasting, loading & transportation using large number of Heavy Earth Moving Machinery of bigger capacity for handling large volume of rough stone and gravel.
5. No abandoned (or) expired (or) operating quarries/mines are existing within the core zone of the proposed mine leasehold area which is covered with the windmills alone.

SEAC decided to defer and call for additional particulars as follows,

1. Since the project site is surrounded by many windmills, the proponent shall furnish NoC from TEDA
 - (i) for dismantling the aforesaid two wind mills which were existing within the mine leasehold area granted by the AD (Mines)
 - (ii) for carrying out the mining operation which involves heavy blasting operation with usage of HEMMs for loading & transportation with windmill nearby.
2. The PP shall furnish the updated District Survey Report obtained from the office of the concerned AD/DD (Mines) indicating the following particulars pertaining to the Tirunelveli District:
 - (i) The geological resources & mineable resources of Rough stone and Gravel.
 - (ii) Total number of Rough stone mines operating with the permits issued by the Competent authority.
 - (iii) Total number of abandoned stone quarries with the status of mine closure activities carried out as on date.
 - (iv) The number of expired rough stone quarries with its status on renewal/extension of lease.
 - (v) Total quantity of rough stone produced in the District during the year of 2022-2023 and 2023-2024 for which the permits are issued by the


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Competent authority.

- (vi) The tentative total requirement of rough stone & gravel for catering the needs of the District.

Agenda No: 447-18

(File No: 10580/2023)

Proposed Rough stone & Gravel quarry lease over an extent of 0.94.0Ha at SF.No. 17/2B of Katteri Village, Uthangarai Taluk, Krishnagiri District, Tamil Nadu by Thiru.S.Rajkumar - For Environmental Clearance.

(SIA/TN/MIN/453883/2023, Dated: 05.12.2023)

The proposal was placed in 447th meeting of SEAC held on 22.02.2024. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. S. Rajkumar has applied for Environmental Clearance for the Proposed Rough stone & Gravel quarry lease over an extent of 0.94.0Ha at SF.No.17/2B of Katteri Village, Uthangarai 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.

Based on the request made by the project proponent & EIA Coordinator, the **SEAC decided to defer the presentation & appraisal.**

Hence, the subject was not taken up for discussion.

Agenda No: 447-19

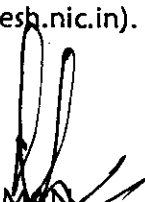
(File No: 10594/2023)

Proposed Rough stone & Gravel quarry lease over an extent of 4.42.2Ha at SF.Nos. 956/1A (P), 956/1B, 958/1 (P), 959 (P), 962 (P), 965/1B (P), 965/1D (P), 965/1E (P) & 965/2 of Seevalaperi Village, Palayamkottai Taluk, Tirunelveli District, Tamil Nadu by Thiru.I.Ponkumar - For Environmental Clearance.

(SIA/TN/MIN/455347/2023, Dated:13.12.2023)

The proposal was placed in 447th meeting of SEAC held on 22.02.2024. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).



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The SEAC noted the following:

1. The Project Proponent, Thiru.I.Ponkumar has applied for Environmental Clearance for the Proposed Rough stone & Gravel quarry lease over an extent of 4.42.2Ha at SF.Nos. 956/1A (P), 956/1B, 958/1 (P), 959 (P), 962 (P), 965/1B (P), 965/1D (P), 965/1E (P) & 965/2 of Seevalaperi Village, Palayamkottai Taluk, Tirunelveli 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.

File No	10594/2023		Category	B2
	SIA/TN/MIN/455347/2023, Dated:13.12.2023			
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Thiru.I.Ponkumar S/o. Iyangan, No. 4/2F2, Pandian Street, Vasantham Nagar, Polur, Thiruvannamalai District – 606 803	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough stone & Gravel quarry	
3.	S.F Nos. of the quarry site with area break-up	:	956/1A (P), 956/1B, 958/1 (P), 959 (P), 962 (P), 965/1B (P), 965/1D (P), 965/1E (P) & 965/2	
4.	Village in which situated	:	Seevalaperi	
5.	Taluk in which situated	:	Palayamkottai	
6.	District in which situated	:	Tirunelveli	
7.	Extent of quarry (in ha.)	:	4.42.2Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	8°47'16.6579"N to 8°47'23.1080"N 77°50'24.7239"E to 77°50'34.1914"E	
9.	Topo Sheet No.	:	58 H/13	


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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	
			Rough stone	Gravel
	Geological Resources m ³	:	19,89,900m ³	88,440m ³
	Minable Resources m ³	:	8,97,995m ³	72,364m ³
	Annual Peak Production in m ³	:	1,29,200m ³	24,300m ³
	Maximum Depth in meters	:	47m BGL	
13.	Depth of water table	:	62m BGL	
14.	Man Power requirement per day:	:	40 Employees	
15.	Water requirement:	:	2.5 KLD	
	1. Drinking water & utilized water		0.7 KLD	
	2. Dust suppression		1.0 KLD	
	3. Green belt		0.8 KLD	
16.	Power requirement	:	TNEB 5,16,300 Liters of HSD will be utilized	
17.	Precise area communication approved by the Joint Director/Assistant Director(i/c), Department of G&M.	:	Rc.No.M2/283/2023, Dated:20.10.2023	
18.	Mining Plan approved by the Joint Director/Assistant Director(i/c), Department of G&M.	:	Rc.No.M2/283/2023, Dated:27.10.2023	
19.	500m Cluster Letter approved by the Joint Director/Assistant Director(i/c), Department of G&M.	:	Rc.No.M2/283/2023, Dated:27.10.2023	

20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated:02.11.2023			
21.	Project Cost (excluding EMP cost)	:	Rs.1,33,88,000/-			
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.		
		Rough stone		Gravel		
		:	Max Total in m ³	8,97,995m ³	72,364 m ³	
		:	Annual Max in m ³	1,29,200m ³	24,300 m ³	
		:	Max Depth in mtrs	47m BGL		
23.	EMP cost (in Rs. Lakh).	:	Rs.370 Lakhs			
24.	CER cost (in Rs. Lakh).	:	Rs.10,00,000 for conservation measures as below.			

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 1,29,200m³ of Rough stone and 24,300m³ of Gravel by maintaining the ultimate depth of mining up to 47m 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 strictly adhere to the provisions provided in the Annexure to safeguard the existence of Reserved Forest/Reserve Land within 1 km from the project site.


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3. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
4. The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
5. **Since the structures are situated within a radial distance of 500 m**, the PP shall carry out the scientific studies **within a period of one year** from the commencement of quarrying operations after obtaining the prior permission from the DMS/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.
6. The PP shall furnish a Standard Operating Procedures (SoP) 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.
7. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 4th 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.

8. As accepted by the Project Proponent an amount of **Rs. 5 Lakhs** shall be spent towards mitigation cost / conservation cost for the Vallanadu Black Buck Sanctuary and Gangaikondan Spotted Deer Sanctuary and the money shall be handed over, to the DFO concerned, in the form Demand Draft before obtaining CTO from TNPCB.
9. In addition, an expenditure of **Rs. 5 Lakhs** shall be spent for the construction of compound wall to prevent entry of animals from the Reserve Forest that lies 80m North side of the proposed site, before obtaining CTO.

Agenda No: 447 - 20

File No: 10634/2023

Proposed Rough Stone & Gravel quarry lease over an extent of 2.78.5 ha in S.F. No. 134/4 & 134/5 at Periyavelikadu Village, Cheyyur Taluk, Chengalpattu District, Tamil Nadu by Tvl. Aurobindo Reality & Infrastructure Pvt Ltd- For Environmental Clearance. (SIA/TN/MIN/456749/2023, Dated: 30.12.2023)

The proposal was placed in the 447th SEAC meeting held on 22.02.2024. 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 SEAC noted the following:

1. The Project Proponent, Tvl. Aurobindo Reality & Infrastructure Pvt Ltd has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease over an extent of 2.78.5 ha in S.F. No. 134/4 & 134/5 at Periyavelikadu Village, Cheyyur Taluk, Chengalpattu District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 5 years. The mining plan is for 5 years & production should not exceed 2,43,115 m³ of Rough Stone & 1,03,830 m³ of Gravel. The annual peak production 49,445 m³ of Rough Stone & 61,570 m³ of


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Gravel. The ultimate depth of mining is 35m BGL.

4. The proponent had obtained NOC from Agriculture department vide letter No. KA/E2/474/2024 dated: 01.02.2024.
5. The proposed Mine lease is interlinked with Four lane of Mamallapuram to Mugaiur of NH – 332A (31 KM) under Bharatmal Pariyojana Phase – 1.
6. National Highways Authority of India has approved the allotment vide letter No. NHAI/11023/HAM/MM/TN/P1/E.72823/2781 dated 07.05.2021.
7. The salient features of the proposal are as follows:

File No		10634/2024	Category	B2
		456749/2023		1(a)
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Tvl. Aurobindo Reality & Infrastructure Pvt Ltd., No.1-121-1, Survey nos.66 (Part) & Miyapur, Hyderabad, Telangana -500049	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone & Gravel Quarry	
3.	S.F Nos. of the quarry site with area break-up	:	134/4 & 134/5	
4.	Village in which situated	:	Periyavelikadu	
5.	Taluk in which situated	:	Cheyyur	
6.	District in which situated	:	Chengalpattu	
7.	Extent of quarry (in ha.)	:	2.78.50 Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	12°27'08.20"N to 12°27'16.16"N 79°58'38.15"E to 79°58'44.85"E	
9.	Topo Sheet No.	:	57P/15	
10.	Type of mining	:	Opencast Semi-Mechanized Mining	
11.	Life of Project	:	5 years	
	Lease Period	:	5 Years	


	Mining Plan Period	:	5 Years	
	Mining Plan Details	:	As per approved Mining Plan	Revised
	Geological Resources m ³ (RoM)		Rough Stone	Rough Stone
		:	8,34,840m ³	8,34,840m ³
			Gravel	Gravel
		:	1,39,140m ³	1,39,140m ³
12.	Mina ble Resources m ³ (RoM)		Rough Stone	Rough Stone
		:	2,43,115m ³	2,41,315m ³
			Gravel	Gravel
		:	1,03,830m ³	1,03,830m ³
	Annual Peak Production in m ³		Rough Stone	Rough Stone
		:	49,445m ³	49,415m ³
			Gravel	Gravel
		:	61,570m ³	59,220m ³
	Maximum Depth in meters	:	35m BGL	25m BGL
13.	Depth of water table	:	61-64 m	
14.	Man Power requirement per day:	:	31 Nos	
15.	Water requirement: 1. Drinking & utilized water 2. Dust suppression 3. Green belt	:	5.0 KLD 1.0 KLD 3.0 KLD 1.0 KLD	
16.	Power requirement	:	TNEB 210.36 kL	
17.	Precise area communication approved by Assistant Director (i/c), Geology & Mining	:	Na.Ka No.80/Kanimam/2023, dated: 21.11.2023	


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18.	Mining Plan approved by Assistant Director (i/c), Dept of Geology & Mining.	:	Rc.No.80/Mines/2023, dated: 24.11.2023		
19.	Department of G&M, Assistant Director (i/c), 500m Cluster Letter	:	Rc.No.80/Mines/2023, dated: 24.11.2023.		
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 30.11.2023		
21.	Project Cost (excluding EMP cost)	:	Rs. 81,71,000		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Gravel
		:	Max Total RoM in m³	2,41,315m³	1,03,830m³
		:	Annual Max RoM in m³	49,415m³	59,220m³
		:	Max Depth in mtrs	25m BGL	
23.	EMP cost (in Rs. Lakhs).	:	Capital Cost – Rs. 55.96 Lakhs Recurring Cost – Rs. 27.62 Lakhs		
24.	CER cost (in Rs. Lakhs).	:	Rs. 9,00,000		


Now the proposal was again placed in 447th SEAC meeting held on 22.02.2024. 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 49,415m³ of rough stone & 59,220 m³ of Gravel by maintaining the ultimate depth of mining up to 25m BGL** and subject to


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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 proposed site shall be utilized only for the purpose of widening of Mamallapuram to Mugaiur of NH – 332A (31 KM) to Four lane under Bharatmal Pariyojana Phase – 1. Accordingly, the PP shall maintain and furnish the daily statement indicating the total volume of rough stone mined out and dispatch quantity from the quarry to the above linear project area, to the concerned AD (Mines) and the DEE/TNPCB.
3. The proponent shall carry out the required construction of embankments pitched with the stone blocks along the canal/odai and the related river training works in the leading channel for enhancing the carrying capacity of the odai passing in the southern direction which connects Periyavelikadu Tank to Thangal tank and the same shall be completed before obtaining CTO from TNPCB.
4. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
5. Before obtaining the CTO from the DEE/TNPCB, the PP shall construct the garland drainage along the mine lease boundary with adequate depth and gradient in such a manner that it leads the flow of water naturally into the settling tank before leaving it to the canal.
6. The PP shall register promptly through online in the Shram Suvidha Portal which is the official portal of Ministry of Labour & Employment, Govt of India to obtain Labour Identification Number (LIN) before obtaining the CTO from the TNPCB.



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7. Further, the PP shall send the 'Notice of Opening' indicating the appointment of First Class/Second Class Mine Manager for managing the quarrying operations and the proposed usage of HEMM shall be sent to the Director of Mines Safety, Chennai Region of the Mine under the provisions of MMR 1961 atleast 30 days before the commencement of the mining operation immediately after the execution of lease with district authority.
8. The PP shall carry out Initial Medical Examination and Periodic Medical Examination for the persons to be employed accordingly before the execution of the lease, in the Occupational Health Medical centers duly approved by the Directorate General of Mines Safety, Dhanbad.
9. The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
10. **Since the structures are situated within a radial distance of 500 m**, the PP shall carry out the scientific studies **within a period of six months** from the commencement of quarrying operations after obtaining the prior permission from the DMS/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 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.
11. The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation and green belt development, in securing the safety of


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

12. As a part of monitoring the implementation of eco-friendly blasting operation, the PP shall **daily** monitor the blast-induced ground & air vibration (noise) by installing the DGMS approved 'Vibration Monitoring System (VMS)' at a distance of 300m, 500m, 750 m (where the habitations and structures are existing) through a statutory person appointed for the purposes. A copy of such post-monitoring report shall be submitted to the AD/Mines-DGM, Director of Mines Safety / Chennai Region, the SEIAA-TN, and the IRO/MoEF as a part of Half-yearly Environmental Compliance without any deviation.
13. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 4th year or when the depth 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.
14. The PP shall ensure that the transport of materials shall not be carried out during school hours (or as specified by the school administration) if the loaded trucks are passing through the schools.
15. The PP shall not carry out the deep hole larger diameter blasting and the secondary blasting of oversize fragments /boulders during the life of the lease period.
16. The PP shall only carry out the NONEL-based (or) Electronic Detonator based blasting operation for controlling the environmental impacts with keeping the security guards at a radial distance of 500 m by ensuring that all persons within such area have taken proper shelter.


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17. Considering the existence of water bodies and habitants nearby, the PP shall ensure that the haul road dust is constructed with bitumen to minimize dust generation but however the suppression/watering are being done to maintain the required moisture level in all active haul roads. A fleet of water trucks with adequate water spray systems are available and operational at all times.
18. The PP shall install a Notice Board at either side of the Village road (exists within 500 m) indicating 'BLASTING DANGER ZONE' sign & timing of blast before obtaining the CTO from the DEE/TNPCB.
19. As a part of Ground Water Management, the PP shall **annually** carry out the scientific studies to assess the **existing hydrogeological condition and impacts of the quarrying operation on the ground water level present including the water tanks/waterbodies in the core zone**, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
20. The PP shall **annually** carry out an Occupational Health Survey (OHS) in **accordance with the guidelines & period of examination laid in the DGMS (Tech.) (S&T) Circular No. 01 of 2011**, on OHS of the persons working in mines prone to generate the airborne dust, under Section 9A of Mines Act, 1952 by actively involving State Government officials and Non-Government Organizations (NGO) working in the Occupational Health Survey (Medical Examination). A copy of such annual compliance certificate shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
21. Within a period of two years from the commencement of mining operation, the PP shall carry out a comprehensive field study and furnish the report involving the impacts of quarrying operation on biodiversity, human health and soil

through any one of the reputed research institutes – NEERI / Taramani Campus, Chennai; Tamil Nadu Agricultural University, Coimbatore and Centre for Environmental Studies, IIT Madras to the DEE/TNPCB, IRO/MoEF, Chennai and the SEIAA-TN.

22. Tree plantation & fencing and installation of garland drainage with siltation tank around the mine lease area shall be completed before obtaining the CTO from the TNPCB.

23. As accepted by the Project Proponent the CER cost of Rs. 9 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Middle School, Periyavelikadu before obtaining CTO from TNPCB.

Agenda No: 447-21

(File No: 10631/2023)

Proposed Construction of “Development of SIDCO Industrial Estate over extent of 11.84.0 Ha (29.24 Acres)” in Survey No: SF Nos. 369/2 & 376, Kaverirajapuram Village, Tiruttani Taluk, Tiruvallur District, Tamil Nadu by M/s. Tamil Nadu Small Industries Development Corporation Limited (TANSIDCO) - For Environmental Clearance.

(SIA/TN/INFRA2/457978/2024 dated: 10.01.2024)

The proposal was placed for appraisal in 447th meeting of SEAC held on 22.02.2024. 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. Tamil Nadu Small Industries Development Corporation Limited has applied for Environmental clearance for Proposed Construction of “Development of SIDCO Industrial Estate over extent of 11.84.0 Ha (29.24 Acres)” in Survey No: SF Nos. 369/2 & 376, Kaverirajapuram Village, Tiruttani Taluk, Tiruvallur District, Tamil Nadu.
2. The project/activity is covered under Category “B2” of Item 8(a) “Building and Construction Projects” of the Schedule to the EIA Notification, 2006.

The committee noted the following,


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1. SIDCO has applied for EC under Category 8(a) for development of SIDCO Industrial Estate at S.Nos. 369/2 & 376 in Kaverirajapuram Village, Tiruttani Taluk, Tiruvallur District, Tamil Nadu at an extent of 11.84 Ha.
2. NGT court case petition was filed in NGT by Thiru S.Somasekar Seshachalam stating that among other things,

“Establishment of Industrial Park by the Tamil Nadu Small Industries Development Corporation Limited without obtaining Environmental Clearance (EC) as required under the EIA Notification, 2006”.

and its final order dated 10.03.22 the tribunal has made the following directions,

“..... (i) Respondents No.7 (TANSIDCO) & 8 (TANSIDCO Regional Office) are not entitled to start the project activities in the land proposed to be assigned to them without getting physical possession of that land and without obtaining necessary clearances or permissions as required under the environmental laws.

(V) The applicant is entitled to maintain the action if the allegation of any damage caused to the environment or violation of any environmental laws is established by him and as such, the application is not maintainable”.

3. The PP stated that SIDCO only developed industrial plots and allotted them to the industrialist for establishing industries as per layout submitted by the PP for 75 nos of plots proposed to be developed and allotted to industries.
4. The PP also stated it is the responsible of allottees to construct industrial sheds in the allotted plots subject to the condition that the built up should not exceed 50% of the allotted area.
5. As per the above, the built-up area developed by any industrial shed proposed in the SIDCO Industrial Estate will not exceed 118400 sq.m.
6. As per EIA notification, 2006 the PP has also given an affidavit stating that no EC attracting industries will be permitted in the Industrial Estate.
7. The PP made this application under Category 8(a) quoting the remarks under category 7(c) which states as follows,

“Note:

1. Industrial Estate of area below 500 ha. and not housing any industry of Category ‘A’ or ‘B’ does not require clearance.

2. If the area is less than 500 ha. but contains building and construction projects > 20,000 Sq. mts. and or development area more than 50 ha it will be treated as activity listed at serial no. 8(a) or 8(b) in the Schedule, as the case may be.”

The Committee had a detailed discussion considering all the above points. As the area proposed to be developed is only 11.84 Ha (< 50 Ha) and no construction of building under the industrial shed is considered under the proposal and here the industrial shed proposed to be constructed will not exceed 1,50,000 sq.m, the Committee decided that the proposal does not attract EC. However, in future SIDCO decides to allow any of EC-attracting activity in the industrial park, then it would require prior EC clearance for the park. The PP shall, however, submit an affidavit abiding to the above points to SEIAA before issue is placed before SEIAA.

Agenda No: 447-22

(File No: 10659/2024)

Proposed Establishment of new All India Institute of Medical sciences (AIIMS institute) at SF. Nos:31/1, 32/1, 30 Part, 33/1, 35, 36 Part, 34/1, 37/1, 38/1, 39 part & 42/1 part of K.Pudupatti Village, Thirupprankundram Taluk, Madurai District, Tamil Nadu by M/s. All India Institute of Medical Science (Madurai) - For Environmental Clearance. (SIA/TN/INFRA2/459201/2024 dated: 18/01/2024)

The proposal was placed for appraisal in 447th meeting of SEAC held on 22.02.2024. 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. All India Institute of Medical Science (Madurai) has applied for Environmental clearance for Setting up of new All India Institute of Medical sciences (AIIMS institute) at S.Nos:31/1, 32/1, 30 Part, 33/1, 35, 36 Part, 34/1, 37/1, 38/1, 39 part & 42/1 part of K.Pudupatti Village, Thirupprankundram Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under Category “B2” of Item 8(a) “Building and Construction Projects” of the Schedule to the EIA Notification, 2006.
3. The total built up area of the project is 2,31,781 Sq.m.


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4. The overall project site plot area is 90.13 Hectare (222.47 Acres).

The SEAC noted that the project proponent request to withdraw the current proposal and informed that they will apply for ToR. The PP stated that the project is funded by JICA and they have prepared EIA report for submission to JICA. It was clarified that the baseline data available in EIA report submitted to JICA can be used for preparation of EIA report to be prepared in conformity to the ToR issued by SEAC.

Based on the request made by the project proponent, the Committee decided to recommend to SEIAA to accept the withdrawal request made by the PP.



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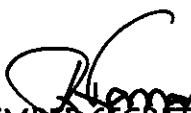


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ANNEXURE-I


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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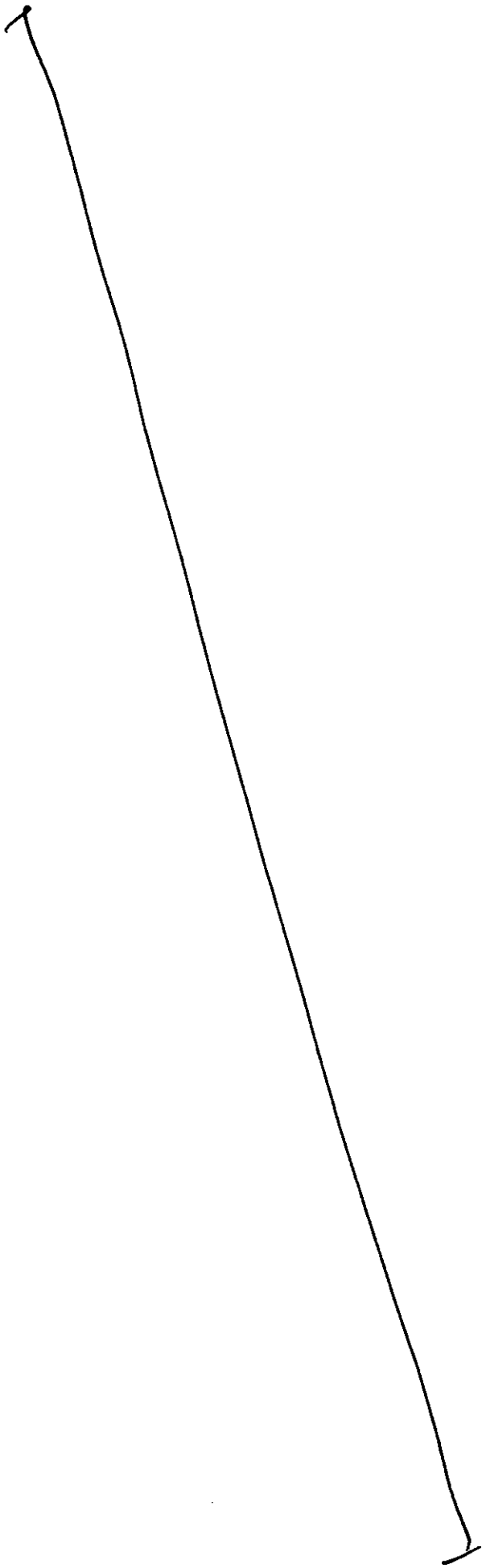
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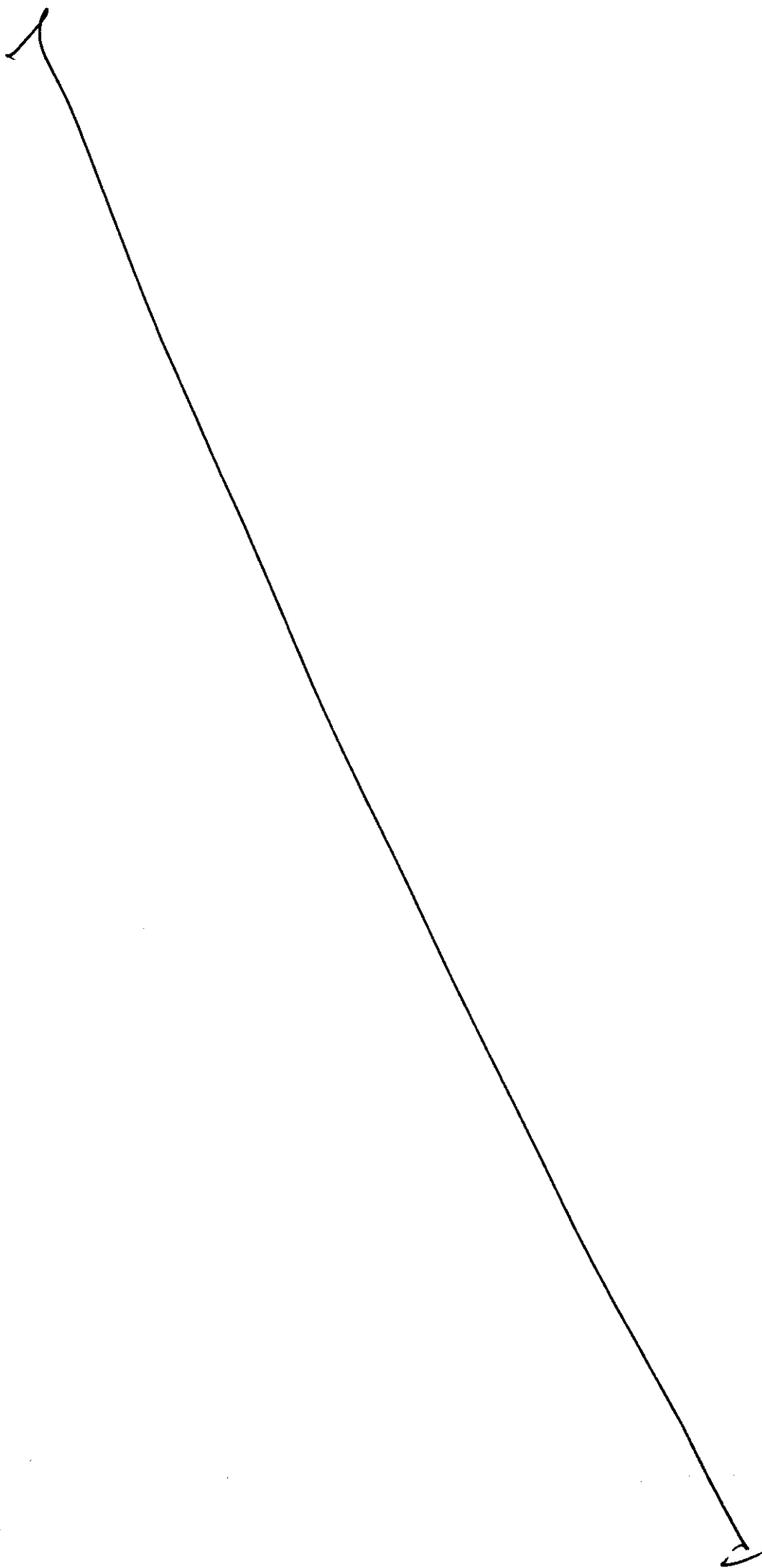
8. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.
9. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted 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 (TNPCB) by the proponent without fail.
18. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
19. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
20. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
21. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory


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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


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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


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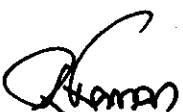
SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED IN CLOSE PROXIMITY TO THE WINDMILLS


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.


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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.


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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


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proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner

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, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
5. Sand, murram, 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


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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.


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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


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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.


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4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Half Yearly Compliance Report (HYCR).

11. Miscellaneous:

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in Tamil language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit Half Yearly Compliance Reports (HYCR) on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The project proponent shall inform the Authority (SEIAA) of the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also during their presentation to the State Expert Appraisal Committee.
9. No further expansion or modifications to the plant shall be carried out without prior approval of the Authority (SEIAA).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Authority (SEIAA) may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Authority reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
13. The Regional Office of the MoEF&CC Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.


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Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia 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>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweitenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி
18	<i>Creteva adansoni</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro sebumum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	KallItchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்புலக
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயிளி
27	<i>Lannea 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	விலா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	அரம்பா, பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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

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Appendix -III

Display Board

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

-----சுரங்கம்

கரங்க்களில் சுவாமி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட துந்தனகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAJ-----, தேதிஉட்பட்டு, சுற்றுச்சூழல் அனுமதி----- தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகமை பகுதி வளர்ச்சி மேம்பாட்டுக்கான கரங்க்கத் திட்டம்	சுவாமியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும் கரங்க்கப்பாதுயின் ஆழம் தளமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். காற்றில் மாக ஏற்படாதவாறு கரங்க்க பணிகளை மேற்கொள்ள வேண்டும்.
நட்ப்பட்டு பராமழிக்கப்பட வேண்டிய மரங்க்கள் எண்ணிக்கை:	வாகணங்க்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறைபாக தண்ணீர் வாகிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இரைச்சல் அளவையும் தூசி மாகப்பாட்டையும் குறைப்பதற்காக சுவாமியின் எல்லையை சுற்றி அடர்த்தியான பகமை பகுதியை ஏற்படுத்த வேண்டும்.
கரங்க்கத்தில் வெக வலக்கும்பெருது நிலாதிர்வுகள் ஏற்படாதவாறும் மற்றும் கற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்.	
கரங்க்கத்தில் இருத்து ஏற்படும் இரைச்சல் அளவு 85 டெசிபல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
கரங்க்க சட்ட விதிகள் 1955ன் கீழ் கரங்க்கத்தில் உள்ள பணியாளர்க்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு ககாதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வாரியாக வாகணங்க்கள் செல்லும் சாலைபை தொடர்ந்து நன்கு பராமழிக்க வேண்டும்.	
கரங்க்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
தீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வாகையில் திலத்தடி தீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
கரங்க்கத்திலிருத்து கனம் பொருட்களை எடுத்துச் செல்லது கிராம மக்க்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகணங்க்களை இயக்க வேண்டும்.	
கரங்க்கப்பணிகள் முடிக்கப்பட்டவுடன் கரங்க்க மூடல் திட்டத்தில் உள்ளவாறு கரங்க்கத்தினை மூட வேண்டும்.	
கரங்க்க நடவடிக்கைகளை முடித்தபின்னர் கரங்க்கப் பகுதி மற்றும் கரங்க்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்க்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகமைப்பகுதியை உருவாக்க வேண்டும்.	
முழுமைபனை துந்தனகளை அரிய பாதிவேஷ (https://parivesh.nic.in) என்கிற இணையதளத்தைப் பார்வைபிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகர்க்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.	

MEMBER SECRETARY
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CHAIRMAN
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