

State Expert Appraisal Committee (SEAC)

Minutes of 391<sup>st</sup> meeting of the State Expert Appraisal Committee (SEAC) held on 13.07.2023 (Friday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Confirmation of Earlier Minutes

The minutes of the 390<sup>th</sup> SEAC meeting held on 07.07.2023 were circulated to the Members in advance and as there are no remarks, the Committee decided to confirm the minute.

Agenda No: 391-01

File No.513/2023 & F.No. 10046/2023

Existing Educational Institutional building in S.F. No. 49 to 59, 60/1B, 60/1C, 62/1, 62/2, 62/4A, 63/1, 64/1A, 64/1B, 64/3A, 64/3B, 64/4, 65, 66, 67, 68 to 77, 79 to 82, 83/2, 84/1A, 84/1B, 84/2A, 84/2B, 85, 86/1, 86/2, 87/1, 87/2, 118/1A, 118/1B1, 118/2A, 118/2B, 119, 120, 121/1, 121/2, 121/3, 121/4A, 121/4B, 122/1A, 122/1B, 122/2, 123/1, 123/2, 128/1A1, 128/1A2, 128/2, 128/3, 129/2A, 129/2B, 130/1, 130/2, 131 to 151, 153 to 158, 159/1, 159/2A, 161/1, 161/2, 162, 169/2, 169/3A, 169/3B, 170/1, 197/1A, 198/2B1, 198/3, 198/4A & 198/4B of Kalavakkam Village and Survey Nos. 1034, 1035, 1036, 1037, 1038, 1039, 1040/1B, 1040/2B, 1041, 1046, 1047, 1048, 1226, 1227/2A, 1227/2B, 1228, 1234, 1236, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247/1C, 1247/2, 1248/1C, 1248/2, 1395C/1A1, 1395C/2A, 1395C/4B, 1415 of Thaiyur B Village, Tiruporur Taluk, Chengalpattu District, Tamil Nadu by M/s. SSN Trust – For Environmental clearance (SIA/TN/INFRA2/429590/2023, dated:18.05.2023)

The proposal was placed in the 391<sup>st</sup> meeting of SEAC held on 13.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. SSN Trust, has applied for Environmental Clearance for the Existing Educational Institutional building in S.F. No. 49 to 59, 60/1B, 60/1C, 62/1, 62/2, 62/4A, 63/1, 64/1A, 64/1B, 64/3A, 64/3B, 64/4, 65, 66, 67, 68 to 77, 79 to 82, 83/2, 84/1A, 84/1B, 84/2A, 84/2B, 85, 86/1, 86/2, 87/1, 87/2,

  
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118/1A, 118/1B1, 118/2A, 118/2B, 119, 120, 121/1, 121/2, 121/3, 121/4A, 121/4B, 122/1A, 122/1B, 122/2, 123/1, 123/2, 128/1A1, 128/1A2, 128/2, 128/3, 129/2A, 129/2B, 130/1, 130/2, 131 to 151, 153 to 158, 159/1, 159/2A, 161/1, 161/2, 162, 169/2, 169/3A, 169/3B, 170/1, 197/1A, 198/2B1, 198/3, 198/4A & 198/4B of Kalavakkam Village and Survey Nos. 1034, 1035, 1036, 1037, 1038, 1039, 1040/1B, 1040/2B, 1041, 1046, 1047, 1048, 1226, 1227/2A, 1227/2B, 1228, 1234, 1236, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247/1C, 1247/2, 1248/1C, 1248/2, 1395C/1A1, 1395C/2A, 1395C/4B, 1415 of Thaiyur B Village, Tirupporur Taluk, Chengalpattu District, Tamil Nadu.

2. The project/activity is covered under Category "B" of item 8(b) "Townships and Area Developments Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, Terms of Reference under violation category was issued to the project proponent vide Lr. No. SEIAA-TN/F.No.513/Violation/ToR-1146/2022 dated.10.05.2022 for an existing built-up area of 2,18,630.6 Sq.m. Subsequently, proponent gave a representation to amend the earlier issued ToR vide letter dated.25.10.2022, the authority in its 592<sup>nd</sup> SEIAA meeting, decided that the Terms of reference under violation category issued vide letter dated.10.05.2022 shall be for the total built-up area of 2,72,483.60 Sq.m as per the recommendations of 247<sup>th</sup> & 261<sup>st</sup> SEAC meeting which includes both the existing & proposed built-up area.
4. Subsequently, the proponent has applied for EC under the violation category along with EIA report vide Online Number SIA/TN/INFRA2/429590/2023 Dated: 18.05.2023 (offline no.513) for a built-up area of 2,18,630.6 Sq.m. and was subsequently scheduled for 390<sup>th</sup> SEAC meeting held on 07.07.2023.
5. Earlier, in the 390<sup>th</sup> SEAC meeting held on 07.07.2023, the Committee noted that another proposal belonging to the same proponent in the same location is scheduled for appraisal in the 391<sup>st</sup> SEAC meeting to be held on 13.07.2023. Hence, the Committee decided to defer the proposal and appraise both the proposal together during 391<sup>st</sup> SEAC meeting.
6. Subsequently, the proponent has applied for Environmental Clearance under 'B2' category – 8(a) Building and Construction projects vide online number

SIA/TN/INFRA2/429313/2023, dated:16.05.2023 for an additional proposed built-up area of 91,982.06 Sq.m within the same premises.

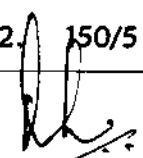
Based on the above facts, both the proposals were placed in the 391<sup>st</sup> SEAC meeting held on 13.07.2023 and were appraised together.

Based on the presentation and documents furnished by the proponent, SEAC noted the following with respect to F.No. 10046 - online number SIA/TN/INFRA2/429313/2023, dated:16.05.2023.

1. During the presentation, proponent disclosed that the following two components which were proposed for construction in File No. 10046 had already been started:
  - i. Academic Block – 2
  - ii. Law School
2. Further, from the Conceptual plan submitted by the proponent in Parivesh Portal, it was ascertained that the proposed construction involving 91,982.06 Sq.m. is within the campus of the existing educational institution which comes under 8(b) – Township and Area Development Projects.
3. Further, in F. No. 513 - online number SIA/TN/INFRA2/429590/2023 Dated: 18.05.2023, building components included EEE block and Chemical/Biomedical Engineering block which comprised of G+3 floors.
4. Subsequently, in the current proposal, in conceptual plan, Page No. 44 & 45, it has been mentioned that vertical expansion is proposed in EEE block & Chemical/biomedical Engineering.
5. The Survey Nos of both the proposal were compared and it was ascertained that some of the survey numbers are common as shown below


S.No	Description	File No.513/2023	File No. 10046/2023
1	Site Address	S.F. Nos. 49 to 59, 60/1B, 60/1C, 62/1, 62/2, 62/4A, 63/1, 64/1A, 64/1B, 64/3A, 64/3B, 64/4, 65, 66, 67, 68 to 77, 79 to 82, 83/2, 84/1A, 84/1B, 84/2A, 84/2B, 85, 86/1, 86/2,	S. F. Nos. 67/1A, 67/1B, 67/1C, 72, 73, 79/1, 79/2A, 79/2B, 79/2C, 87/1, 87/2, 118/1A, 118/1B1, 118/1B2, 118/2A, 118/2B, 119, 120, 123, 129/2, 150/5 of

  
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		87/1, 87/2, 118/1A, 118/1B1, 118/2A, 118/2B, 119, 120, 121/1, 121/2, 121/3, 121/4A, 121/4B, 122/1A, 122/1B, 122/2, 123/1, 123/2, 128/1A1, 128/1A2, 128/2, 128/3, 129/2A, 129/2B, 130/1, 130/2, 131 to 151, 153 to 158, 159/1, 159/2A, 161/1, 161/2, 162, 169/2, 169/3A, 169/3B, 170/1, 197/1A, 198/2B1, 198/3, 198/4A & 198/4B of Kalavakkam Village and Survey Nos. 1034, 1035, 1036, 1037, 1038, 1039, 1040/1B, 1040/2B, 1041, 1046, 1047, 1048, 1226, 1227/2A, 1227/2B, 1228, 1234, 1236, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247/1C, 1247/2, 1248/1C, 1248/2, 1395C/1A1, 1395C/2A, 1395C/4B, 1415 of Thaiyur B Village, Tiruporur Taluk, Chengalpattu District.	Kalavakkam Village & 1039, 1040/1B, 1040/2B, 1234/1, 1234/2, 1234/3A, 1234/3B, 1236/1, 1236/2, 1237 of Thaiyur B Village, Tiruporur Taluk, Chengalpet District.
2	Common S. F. No.	67, 68 to 77, 87/1, 87/2, 118/1A, 118/1B1, 118/2A, 118/2B, 119, 120, 123/1, 123/2, 129/2A, 131 to 151 of Kalavakkam Village & 1040/1B, 1040/2B of Thaiyur B Village, Tiruporur Taluk, Chengalpet District.	67/1A, 67/1B, 67/1C, 72, 73, 79/1, 79/2A, 79/2B, 79/2C, 87/1, 87/2, 118/1A, 118/1B1, 118/2A, 118/2B, 119, 120, 123, 129/2, 150/5 of Kalavakkam Village & 1040/1B, 1040/2B of Thaiyur B Village, Tiruporur Taluk, Chengalpet District.

Based on the above, SEAC is of the opinion that,

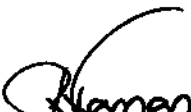
  
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- i. The proposed construction of educational institution (F.No. 10046) has to be treated under the category of 8(b) Township and Development projects because the total built-up area is 3,10,612.66 Sq.m, since the proponent is carrying out expansion activity within the same premises and existing components of the already existing educational institution (F.No.513).
- ii. Further, the proponent has carried out construction of the two components pertaining to online number SIA/TN/INFRA2/429313/2023, dated:16.05.2023 (offline No. 10046) without valid prior Environmental Clearance as per EIA Notification, 2006.
- iii. Further both the proposals have common S.F. Nos and hence lie within the same premises. Both the proposals are violation cases. Hence, this cannot be treated as two different proposals.
- iv. As the PP had initially applied for EC on 01.03.2013, the proposal is eligible to be considered under SoP within window period.

In the light of the above scenario, SEAC decided that,

1. The proponent has applied a separate proposal vide SIA/TN/INFRA2/429313/2023, dated:16.05.2023 (offline No. 10046) under 8(a) category, whereas the proposal has to be treated as violation and further the total built-up area (Existing + Proposed) is 3,10,612.66Sq.m. which is more than 1,50,000 Sq.m. Hence, the above-mentioned proposal has to be appraised as one single proposal along with the EIA report which must include Chapter 13 for the violation, submitted under violation category as 8(b) "Township and Area Development projects" vide online number SIA/TN/INFRA2/429590/2023 Dated: 18.05.2023 (offline no.513).
2. Earlier the Terms of Reference was issued for a built-up area of 2,72,483.60 Sq.m. as per 592<sup>nd</sup> SEIAA meeting held on 16.02.2023. However, it was ascertained that the total built-up area (Existing + proposed) is 3,10,612.66 Sq.m. Since, the proposed expansion is within the existing premises, the Terms of Reference issued may be considered to be common for a total built-up area

  
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of 3,10,612.66 Sq.m. Baseline parameters taken for the terms of reference already issued can be relevant for the combined proposal also.

3. Hence, the proponent shall revise and resubmit the EIA report accordingly and also prepare Chapter 13 with respect to the increased built-up area of 3,10,612.66 Sq.m.
4. Further, the proponent shall furnish detailed chronology with respect to the construction activity carried out in the proposed area to assess the violation committed by the proponent as per EIA Notification, 2006.
5. Hence, the proponent shall withdraw the proposal pertaining to online number SIA/TN/INFRA2/429313/2023, dated:16.05.2023 (offline No. 10046) from Parivesh Portal and SEIAA may accordingly take necessary action in accordance with the procedures laid by the MoEF&CC.

**Agenda No: 391 - 02**

**(File No: 6591/2022)**

**Existing Grey Granite Quarry over an extent of 1.95.5 Ha at S.F. Nos. 133/1, 133/5, Kondappanayanapalli, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Tvl. S.M. Exports - For Extension of validity for the Terms of References "Under Violation".**

**(SIA/TN/MIN/278792/2022, Dated: 18.06.2023)**

The proposal was placed in 391<sup>st</sup> SEAC meeting held on 13.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tvl. S.M. Exports has applied for Environmental Clearance for the Existing Grey Granite Quarry over an extent of 1.95.5 Ha at S.F. Nos. 133/1, 133/5, Kondappanayanapalli, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR under violation issued vide SEIAA. Lr. No. SEIAA-TN/F.No. 6591/TOR-583/2018 Dated: 09.08.2018.
4. Earlier, the proposal was placed in the 328th SEAC meeting held on 11.11.2022. During the presentation, the proponent requested additional time to furnish

  
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further details. Hence, the proposal will be taken up for appraisal in the ensuing meeting.

Now, the proposal is placed in the 391<sup>st</sup> SEAC meeting held on 13.07.2023. Based on the presentation and documents furnished by the PP, SEAC noted that

- (i) the validity of ToR granted under Violation Category is upto 08.08.2023 only as shown below:

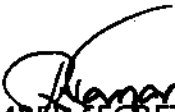
Name of the proponent	Mineral	ToR Granted on	ToR Valid up to	ToR Valid (With Covid Extension Period)
Tvl. S. M. Exports (Prop. K. Madhaiyan)	Grey Granite Quarry	09.08.2018 under violation category	08.08.2022	08.08.2023

- (ii) The Scheme of Mining for the proposed mining operation has not been approved by the competent authority as on date.
- (iii) Further, as per Notification S.O. 751 (E) Dated: 17.02.2020 under paragraph 7, in sub-paragraph 7(i), for sub-heading II Stage (2)-Scoping

*"... (viii) The Terms of Reference for the projects or activities except for River valley and Hydroelectric projects, issued by the regulatory authority concerned, shall have the validity of four years from the date of issue. In case of the River valley and Hydro-electric projects, the validity will be for five years."*

In the light of the above, it is ascertained that the proponent's request to further extend the validity of Terms of Reference issued beyond the maximum outer limit of four years is not possible in accordance with the Guidelines prescribed in the MoEF & CC Notifications. Hence, the validity of Terms of Reference issued cannot be extended beyond 08.08.2023.

The proponent is, therefore, requested to apply for fresh 'Terms of Reference under violation category'.

  
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Agenda No: 391 - 03

(File No: 5373/2023)

Existing Black Granite Quarry Project over an Extent of 1.83.5Ha of Patta lands in S.F.No.12/1 (P), 3(P), 4(P), 5, 6, 7, and 12/8 of Vengamur village and 59/7B(P), 8B(P), 60/2 and 61/3A1 of Anumanthapuram Village, Vikravandi Taluk, Viluppuram District, Tamil Nadu by M/s. Mani Omega Granites Pvt Ltd - For Extension of validity for the earlier issued Environmental Clearance. (SIA/TN/MIN/300065/2023, Dated: 10.05.2023)

The proposal was placed in 391<sup>st</sup> SEAC meeting held on 13.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Mani Omega Granites Pvt Ltd has applied for Extension of validity for the earlier issued Environmental Clearance for the Existing Black Granite Quarry Project over an Extent of 1.83.5Ha of Patta lands in S.F.No.12/1 (P), 3(P), 4(P), 5, 6, 7, and 12/8 of Vengamur village and 59/7B(P), 8B(P), 60/2 and 61/3A1 of Anumanthapuram Village, Vikravandi Taluk, Viluppuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. EC issued vide SEIAA. Lr. No. SEIAA-TN/F.No.5373/1(a)/EC. No: 3355/2016 Dated: 19.07.2016.

Now, the proposal was placed in the 391<sup>st</sup> SEAC meeting held on 13.07.2023. The Committee carefully examined the presentation made by the PP and the documents furnished. Based on the above, it is noted that in this case, application has been filed for Extension after the mandatory time limit of 90 days as per EIA Notification S.O. 1141 (E) Dated: 29.04.2015 and S.O. 2944 (E) Dated: 14.09.2016. However, the PP satisfies the condition prescribed in the OM F.No. 1A3-22/28/2022-1A.111 Dated: 13.12.2022, sub para (i) of Para 2 which states that

*"...The validity of the Environmental Clearances, which had not expired as on the date of publication of Notification i.e., 12/04/2022, shall stand automatically extended to respective increased validity as mentioned at para no. 1 column (C)*

  
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above:"

In the light of the above, SEAC decided to confirm that project proponent is eligible for automatic extension of validity of the EC issued earlier.

Agenda No: 391-04

(File No.10047/2023)

Proposed Gravel Quarry lease over an extent of 1.30.16 Ha (Patta land) in S.F.No. 382/1A, 382/1B, 382/2 & 382/3B of Palaiyur Village, Mannachanallur Taluk, Tiruchirappalli District, Tamil Nadu by Thiru. M. Gobi – For Environmental clearance (SIA/TN/MIN/429253/2023, dated:15.05.2023)

The proposal was placed in the 391<sup>st</sup> meeting of SEAC held on 13.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

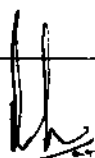
The SEAC noted the following:

1. The Proponent, Thiru. M. Gobi, has applied for Environmental Clearance for the Proposed Gravel Quarry lease over an extent of 1.30.16 Ha (Patta land) in S.F.No. 382/1A, 382/1B, 382/2 & 382/3B of Palaiyur Village, Mannachanallur Taluk, Tiruchirappalli 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 project proponent has submitted a soil test report obtained from the NIT, Trichy vide Report No. KMK-GM-2023-06 Dated:14.03.2023. According to the test certificate, the maximum % of Gravel in the soil sample is 78% and the soil is classified as Clayey Sand with Gravel (SC).
4. Assistant Director, Dept. of Geology and Mining, Tiruchirappalli District vide Rc.No.1526/2022/Mines dated.17.04.2023 informed that .....

*"...the location of quarry site does not lie adjoining to the rivers, streams, canals, etc., and also does not come under any notified/ declared protected zones."*


File No	10047	Category	1(a)
	SIA/TN/MIN/429253/2023		B2
Sl. No	Salient Features of the Proposal		

  
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1.	Name of the Owner/Firm	:	Thiru. M. Gobi, S/o. Marabban, No. 4/129D, Irur, Alathur Taluk, Perambalur District – 621 109
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Gravel Quarry
3.	S.F Nos. of the quarry site with area break-up	:	S.F.Nos. 382/1A, 382/1B, 382/2 & 382/3B
4.	Village in which situated	:	Palaiyur
5.	Taluk in which situated	:	Mannachanallur
6.	District in which situated	:	Tiruchirappalli
7.	Extent of quarry (in ha.)	:	1.30.16ha
8.	Latitude & Longitude of all corners of the quarry site	:	11°01'14.63"N to 11°01'18.48"N 78°44'40.40"E to 78°44'44.79"E
9.	Topo Sheet No.	:	58-1/12
10.	Type of mining	:	Opencast Method of Shallow Mining without drilling and blasting.
11.	Life of Project	:	3 years
	Lease Period	:	3 years
	Mining Plan Period	:	3 years
12.	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m <sup>3</sup> (RoM)	:	Gravel- 26,032m <sup>3</sup>
	Minable Resources m <sup>3</sup> (RoM)	:	Gravel- 18,068m <sup>3</sup>

  
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	Annual Peak Production in m3	:	Gravel-6059m <sup>3</sup>	Gravel-6059m <sup>3</sup>
	Ultimate Depth in meters	:	2m below ground level	2m below ground level
13.	Depth of water table	:	47m-42m	
14.	Man Power requirement per day:	:	8 Nos.	
15.	Water requirement: 1. Drinking Water & Domestic Purpose 2. Dust suppression 3. Green belt	:	1.0 KLD 0.1 KLD 0.5 KLD 0.4 KLD	
16.	Power requirement	:	3,010 liters of HSD.	
17.	Precise area communication approved by the Assistant Director, Dept.of Geology and Mining with date	:	R.c. No.1526/2022/Mines, Dated 28.03.2023.	
18.	Mining Plan approved by the Assistant Director, Dept.of Geology and Mining with date	:	R.c. No.1526/2022/Mines, Dated 13.04.2023.	
19.	500m cluster letter issued by the Assistant Director, Dept. of Geology and Mining with date	:	R.c. No.1526/2022/Mines, Dated 13.04.2023.	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated: 06.04.2023.	
21.	Project Cost (excluding EMP cost)	:	Rs.14,30,000/-	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
			Max Total RoM in m <sup>3</sup>	Gravel 18,068

  
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		:	Annual Max RoM in m <sup>3</sup>	6059
		:	Max Depth in mtrs	2m below ground level
23.	EMP cost (in Rs. Lakh).	:	Capital Cost – Rs.8,40,352/- Recurring Cost – Rs. 5,16,601/-	
24.	CER cost (in Rs. Lakh).	:	Rs. 2,00,000/-	

Based on the presentation and details furnished by the project proponent, SEAC recommended to grant of Environmental Clearance for the production of 18,068m<sup>3</sup> of gravel for the period of 3 years with an ultimate depth of 2 m below Ground Level and it shall not exceed the annual peak production of 6059m<sup>3</sup> of gravel, subject to the standard conditions & normal conditions stipulated by MOEF &CC and Annexure-I, in addition to the following specific conditions:

1. The PP shall complete the quarrying operations within a period of 3 years from the date of execution of the lease.
2. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
3. The PP shall carry out the required number of plantation as committed in the EMP without deviation before the execution of the lease.
4. The PP shall not carry out drilling & blasting operations in the proposed quarry.
5. As accepted by the Project proponent, the CER cost is Rs.2 Lakhs and the amount shall be spent for the committed activities towards Panchayat Union Primary School, Sri Puramputhur, Valaiyur post, Mannachanallur Taluk, Tiruchirapalli before obtaining CTO from TNPCB.

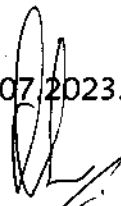
Agenda No: 391-05

(File No.10054/2023)

Existing Multi Colour Granite Quarry lease over an extent of 1.21.5 Ha in S.F.No. 476(P), 477(P), 478(P) and 479(P) of Kalvarpatti Village, Vedasandur Taluk, Dindigul District, Tamil Nadu by M/s. Sky International, – For Environmental clearance (SIA/TN/MIN/428138/2023, dated:05.05.2023)

The proposal was placed in the 391<sup>st</sup> meeting of SEAC held on 13.07.2023. The

  
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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. Sky International, has applied for Environmental Clearance for the Existing Multi Colour Granite Quarry lease over an extent of 1.21.5 Ha in S.F.No. 476(P), 477(P), 478(P) and 479(P) of Kalvarpatti Village, Vedasandur 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. Earlier, EC was accorded to the project proponent vide Lr.SEIAA-TN/F.No.1719/EC/1(a)/1262/2013 dated.12.05.2014.
4. As per Page No. 9 of the approved scheme of mining submitted,

YEAR	PLANNED(m <sup>3</sup> )				ACTUAL(m <sup>3</sup> )		
	ROM	Prod.	Reject	Top soil	Pro	Reject	Waste
2014-15	1250	313	937	952	1116.718	4464	1500
2015-16	1500	375	1125	680	630.498	2520	2050
2016-17	1500	375	1125	680	665.616	2660	2600
2017-18	1500	375	1125	680	257.134	1028	---
2018-till date	1500	375	1125	612	129.561	645	---
<b>Total</b>	<b>7250</b>	<b>1813</b>	<b>5437</b>	<b>3604</b>	<b>2799.527</b>	<b>11317</b>	<b>6150</b>

Planned                      Actual  
 Over all ore: waste ratio =      1: 4.99                      1: 6.23

Further, from the details & documents submitted by the project proponent, the following were ascertained:

S.No	Description	As per Earlier EC dated.12.05.2014	Actual/Achieved details
1	RoM including overburden	10854.000m <sup>3</sup>	20,266.527m <sup>3</sup>
2	Annual peak production	375m <sup>3</sup>	1116.718m <sup>3</sup>
3	Depth of mining	14m	18m

  
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From the above, it is found that the proponent has exceeded the quantity and depth approved in the earlier EC dated.12.05.2014.


5. As per MoEF & CC Notification S.O. 804 (E) dated 14.03.2017,

*“In case the project or activities requiring prior Environmental Clearance under EIA Notification 2006 from the concerned Regulatory Authority are brought for Environmental Clearance after starting the construction work, or have undertaken expansion, modernization and change in product-mix without prior EC, these projects shall be treated as cases of violations and in such cases, even Category B projects which are granted Environmental Clearance by the SEIAA constituted under sub-section(3) section 3 of the Environment (Protection) Act 1986 shall be appraised for grant of Environmental Clearance only by the concerned Expert Appraisal Committee and Environmental Clearance will be granted accordingly”.*

In the present case, the proponent has exceeded/expanded the production capacity beyond the limit specified in the prior EC issued and has therefore violated the provisions of EC dated.12.05.2014.

Therefore, in view of the above & based on the presentation and documents furnished by the project proponent, SEAC decided to grant of **Terms of Reference (TOR) under Violation category**, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and ToR given in Annexure-I, the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. Terms of Reference issued are subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.

1. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 for the project in case of assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact assessment report by the Accredited consultant and also

  
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with collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1996, accredited by NABET or a Laboratory of council of Scientific and industrial research institutions working in the field of environment..

2. As a part of procedural formalities as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017, the action will be initiated by the competent authority under section 15 read with section 19 of the Environment (Protection) Act, 1986 against violation.
4. The project proponent besides above must submit the No Objection certificate (NOC) in compliance of the orders of the Hon'ble Supreme court to approach State Mines and Geology Department for certification regarding payment of 100% cost of illegally mined minerals to the State Government in terms of the Section 21(5) of the MMDR Act, 1957.
5. Copy of total penalty levied by the concerned AD/DD, Dept of Geology and Mining, and copy of remittance of total penalty by PP.
6. The SEAC also recommends that SEIAA may look into any other legal and regulatory issues that are applicable before issuing the post mining EC.

**Agenda No: 391-06**

**(File No: 10034/2023)**

**Proposed Gravel quarry lease over an extent of 1.72.74Ha at SF.No. 34/1A2 and 34/1B2 of Seepalakottai Village, Uthamapalayam Taluk, Theni District, Tamil Nadu by Thiru.M.Koodalingam- for Environmental Clearance.**

**(SIA/TN/MIN/428863/2023, Dated:11.05.2023)**

The proposal was placed in 391<sup>st</sup> meeting of SEAC held on 13.07.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent, Thiru.M.Koodalingam has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of 1.72.74Ha at SF.No. 34/1A2 and 34/1B2 of Seepalakottai Village, Uthamapalayam Taluk,

  
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Theni 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	10034/2023		Category	B2
	SIA/TN/MIN/428863/2023, Dated:11.05.2023			
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Thiru.M.Koodalingam, S/o.R.Muthaiah, No-19, Door No.25/A, Viswakulam, Chinnamanur, Theni District-625515	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Gravel quarry	
3.	S.F Nos. of the quarry site with area break-up	:	34/1A2 and 34/1B2	
4.	Village in which situated	:	Seepalakottai	
5.	Taluk in which situated	:	Uthamapalayam	
6.	District in which situated	:	Theni	
7.	Extent of quarry (in ha.)	:	1.72.74Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	09°50'31.84"N to 09°50'37.22"N 77°25'28.69"E to 77°25'35.61"E	
9.	Topo Sheet No.	:	58 G/05	
10.	Type of mining	:	Opencast method of shallow mining	
11.	Life of Project	:	2 Years	
	Lease Period	:	2 Years	
	Mining Plan Period	:	2 Years	
12.	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources m <sup>3</sup> (RoM)	:	Gravel 34,548m <sup>3</sup>	
	Minable Resources m <sup>3</sup> (RoM)	:	Gravel 21,980m <sup>3</sup>	
	Annual Peak Production in m <sup>3</sup>	:	Gravel	

  
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			10,990m <sup>3</sup>	
	Maximum Depth in meters	:	2m BGL	
13.	Depth of water table	:	32m BGL	
14.	Man Power requirement per day:	:	7 Employees	
15.	Water requirement: 1. Drinking water 2. Utilized water 3. Dust suppression 4. Green belt	:	5.0 KLD 0.5 KLD - 2.5 KLD 2.0 KLD	
16.	Power requirement	:	TNEB -	
17.	Precise area communication approved by the Assistant Director, Department of G&M.	:	Roc.No.122/Mines/2021 Dated:02.01.2023	
18.	Mining Plan approved by Assistant Director, Department of G&M.	:	Roc.No.122/Mines/2021 Dated:06.01.2023	
19.	500m Cluster Letter approved by the Assistant Director, Department of G&M.	:	Roc.No.122/Mines/2021 Dated:06.01.2023	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated:04.04.2023	
21.	Project Cost (excluding EMP cost)	:	Rs.9,21,480/-	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
		:		Gravel
		:	Max Total RoM in m <sup>3</sup>	21,980m <sup>3</sup>
		:	Annual Max RoM in m <sup>3</sup>	10,990m <sup>3</sup>
:	Max Depth in mtrs		2m BGL	
23.	EMP cost (in Rs. Lakh).	:	Rs.37.85 Lakhs	

24.	CER cost (in Rs. Lakh).	:	Rs. 3,00,000/-
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Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for Annual Peak excavation quantity of not exceeding 10,990m<sup>3</sup> with maintaining an ultimate pit depth of 2m BGL subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The PP shall complete the quarrying operations within a period of 2 years from the date of execution of the lease.
2. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
3. The PP shall carry out the required number of plantation as committed in the EMP without deviation.
4. The PP shall not carry out drilling & blasting operations in the proposed quarry.
5. As accepted by the Project proponent the CER cost is Rs.3 Lakhs and the amount Rs.2 Lakhs shall be spent for the Government High School, Odaipatti Village and the amount Rs.1 Lakh shall be spent to DFO, Dindigul as a conservation measure for SMTR as committed, before obtaining CTO from TNPCB.

Agenda No: 391-07


(File No: 10041/2023)

Proposed Rough stone quarry lease over an extent of 0.91.20Ha at SF.No. 1516/1 of Ondipulinayakanur Village, Virudhunagar Taluk, Virudhunagar District, Tamil Nadu by Smt. P.Seeniammal- for Environmental Clearance. (SIA/TN/MIN/428351/2023, Dated:12.05.2023)

The proposal was placed in 391<sup>st</sup> meeting of SEAC held on 13.07.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Smt. P.Seeniammal has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 0.91.20Ha at SF.No. 1516/1 of Ondipulinayakanur Village, Virudhunagar Taluk, Virudhunagar District, Tamil Nadu.

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

File No	10041/2023		Category	B2	
	SIA/TN/MIN/428351/2023, Dated:12.05.2023				
Sl. No	Salient Features of the Proposal				
1.	Name of the Owner/Firm	:	Smt. P.Seeniammal, 1/99, Vadakku Theru, Oothangaal Thottam, Ondipulinaickanur Village, Sankaralingapuram, Virudhunagar-626119		
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone )	:	Rough stone quarry		
3.	S.F Nos. of the quarry site with area break-up	:	1516/1		
4.	Village in which situated	:	Ondipulinayakanur		
5.	Taluk in which situated	:	Virudhunagar		
6.	District in which situated	:	Virudhunagar		
7.	Extent of quarry (in ha.)	:	0.91.20Ha		
8.	Latitude & Longitude of all corners of the quarry site	:	9°31'15.9"N to 9°31'18.6"N 77°54'34.6"E to 77°54'37.9"E		
9.	Topo Sheet No.	:	58-G/14		
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		
	Geological Resources m <sup>3</sup> (RoM)	:	Rough Stone	Gravel	Topsoil
			2,72,16 0m <sup>3</sup>	27,216 m <sup>3</sup>	18,144 m <sup>3</sup>
Minable Resources m <sup>3</sup> (RoM)	:	Rough Stone	Gravel	Topsoil	

  
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		62,487 m <sup>3</sup>	18,553 .5m <sup>3</sup>	12,369 m <sup>3</sup>	
	Annual Peak Production in m <sup>3</sup> :	Rough Stone	Gravel	Topsoil	
		22,067. 5m <sup>3</sup>	6583. 5m <sup>3</sup>	4389m <sup>3</sup>	
	Maximum Depth in meters :	30m BGL			
13.	Depth of water table :	40m – 50m			
14.	Man Power requirement per day:	11 Employees			
15.	Water requirement: 1. Drinking water & Utilized water 2. Dust suppression 3. Green belt	2.50 KLD 0.50 KLD 1.50 KLD 0.50 KLD			
16.	Power requirement :	TNEB -			
17.	Precise area communication approved by the Assistant Director, Department of G&M.	Na.Ka.KV1/687/2022-Kannimam, Dated:23.08.2022			
18.	Mining Plan approved by Assistant Director, Department of G&M.	Roc.No.KV1/687/2022, Dated:03.10.2022			
19.	500m Cluster Letter approved by the Assistant Director, Department of G&M.	Roc.No.KV1/687/2022, Dated:03.10.2022			
20.	VAO Certificate Regarding Structures within 300m Radius	Letter Dated:27.08.2022			
21.	Project Cost :	Rs.58,84,818/-			
22.	EC Recommendation	Validity	30 years subject to the following upper limits.		
			Rough Stone	Gravel	Topsoil
		Max Total RoM in m <sup>3</sup>	62.48 7.5m <sup>3</sup>	18,553 .5m <sup>3</sup>	12,369 m <sup>3</sup>

		: Annual Max RoM in m <sup>3</sup>	22.06 7.5m <sup>3</sup>	6583. 5m <sup>3</sup>	4389m <sup>3</sup>
		: Max Depth in mtrs	30m BGL		
23.	EMP cost (in Rs. Lakh).	:	Rs.76.33 Lakhs		
24.	CER cost (in Rs. Lakh).	:	Rs. 5,00,000/-		

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the Annual peak production of not exceeding 22,067.5m<sup>3</sup> of Rough stone, 6583.5m<sup>3</sup> of Gravel and 4389m<sup>3</sup> of Topsoil as per the approved mining plan by maintaining an ultimate pit depth of 30 m BGL subject to the standard conditions & normal conditions stipulated by MoEF&CC and Annexure-I, 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) 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 optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and 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.

  
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- 3) Since few waterbodies are situated nearby, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within 2 years from the commencement of mining operations, 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, 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.
- 4) 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.
- 5) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 3<sup>rd</sup> year or when the depth exceeds 30m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 6) As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs and the amount shall be spent for Government Primary School, Ondipulinaickanur Village before obtaining CTO from TNPCB.

Agenda No: 391-08

(File No: 10048/2023)

Proposed Rough stone and Gravel quarry lease over an extent of 1.09.5Ha at SF. No. 163/1, 163/2A & 163/2B1 of Marungapuri Village, Marungapuri Taluk, Trichy District, Tamil Nadu by M/s. Suganya Aggregates - for Environmental Clearance.

  
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(SIA/TN/MIN/429312/2023, Dated:15.05.2023)

The proposal was placed in 391<sup>st</sup> meeting of SEAC held on 13.07.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Suganya Aggregates has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 1.09.5Ha at SF.No. 163/1, 163/2A & 163/2B1 of Marungapuri Village, Marungapuri Taluk, Trichy 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	10048/2023		Category	B2
	SIA/TN/MIN/429312/2023, Dated:15.05.2023			
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	M/s. Suganya Aggregates, 1/68, Puthanatham Road, Marungapuri Village, Marungapuri Taluk, Trichy District- 621 035	
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	:	163/1, 163/2A & 163/2B1	
4.	Village in which situated	:	Marungapuri	
5.	Taluk in which situated	:	Marungapuri	
6.	District in which situated	:	Trichy	
7.	Extent of quarry (in ha.)	:	1.09.5Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	10°26'26.2204"N to 10°26'32.3232"N 78°24'35.6819"E to 78°24'38.1913"E	
9.	Topo Sheet No.	:	58-J/07	
10.	Type of mining	:	Open Cast 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 <sup>3</sup> (RoM)	: Rough Stone	Gravel
		: 2,15,200m <sup>3</sup>	16,140m <sup>3</sup>
	Mina ble Resources m <sup>3</sup> (RoM)	: Rough Stone	Gravel
		: 68,780m <sup>3</sup>	10,256m <sup>3</sup>
	Annual Peak Production in m <sup>3</sup>	: Rough Stone	Gravel
: 14,065m <sup>3</sup>		3978m <sup>3</sup>	
	Maximum Depth in meters	: 21.5m BGL (1.5m Gravel + 20m Rough stone)	
13.	Depth of water table	: 58m	
14.	Man Power requirement per day:	: 20 Employees	
15.	Water requirement:	1.0 KLD	
	1. Drinking water & Utilized water	: 0.2KLD	
	2. Dust suppression	: 0.5KLD	
	3. Green belt	: 0.3KLD	
16.	Power requirement	: TNEB -	
17.	Precise area communication approved by the Assistant Director, Department of G&M.	: Rc.No.1080/2021/Mines Dated:06.02.2023	
18.	Mining Plan approved by Assistant Director, Department of G&M.	: Rc.No.1080/2021/Mines Dated:09.03.2023	
19.	500m Cluster Letter approved by the Assistant Director, Department of G&M.	: Rc.No.1080/2021/Mines Dated:08.03.2023	
20.	VAO Certificate Regarding Structures within 300m Radius	: Letter Dated:14.02.2023	
21.	Project Cost (excluding EMP cost)	: Rs. 23,50,000/-	



22.	EC Recommendation	: Validity	30 years subject to the following upper limits.	
			Rough Stone	Gravel
		: Max Total RoM in m <sup>3</sup>	68,780m <sup>3</sup>	10,256m <sup>3</sup>
		: Annual Max RoM in m <sup>3</sup>	14,065m <sup>3</sup>	3978m <sup>3</sup>
		: Max Depth in mtrs	21.5m BGL (1.5m Gravel + 20m Rough stone)	
23.	EMP cost (in Rs. Lakh).	: Rs.193.89 Lakhs		
24.	CER cost (in Rs. Lakh).	: Rs. 5,00,000/-		

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity not exceeding 68,780m<sup>3</sup> of Rough stone and 10,256m<sup>3</sup> of Gravel with an ultimate depth of 21.5m BGL. The Annual peak production shall not exceed 14,065m<sup>3</sup> of Rough stone and 3978m<sup>3</sup> of Gravel as per the approved mining plan subject to the standard conditions & normal conditions stipulated by MoEF&CC and Annexure-I, 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) Since a Reserve Forest is located at a distance of 170 m, the PP shall carry out the mitigation measures as stipulated in Annexure-I for the protection of Reserve Forest during the quarrying operations.
- 3) Since few structures are situated nearby, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the blasting operations carried out in the

  
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proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

- 4) As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs and the amount shall be spent for Panchayat Union Primary School, Marungapuri Village, Tiruchirapalli District before obtaining CTO from TNPCB.

**Agenda No: 391- 09**

**File.No.9902/2023**

**Proposed Construction of Residential cum Commercial Development Project at T.S. No: 19, Old S.No. 212, 213/2, Velachery Main Road, Velachery Village, Velachery Taluk, Chennai District, Tamil Nadu by M/s. Sobha Limited- For Environmental Clearance. (SIA/TN/INFRA2/420670/2023 Dated: 04.03.2023)**

The proposal was placed in the 377<sup>th</sup> SEAC meeting held on 10.05.2023. The details of the project furnished by the proponent are available in the website. (parivesh.nic.in).

**The SEAC noted the following:**

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Environmental Clearance is sought for Construction of Residential cum Commercial Development Project at T.S. No.: 19, Old S.No. 212, 213/2 Velachery Main Road, Velachery Village, Velachery Taluk, Chennai District, Tamil Nadu by the PP M/s Sobha Limited.
2. M/s. Eco Services India Private Limited is the EIA Consultant for the project.
3. Total plot area of the project is 10,036m<sup>2</sup> and built-up area is 30,395m<sup>2</sup> respectively.
4. Maximum number of floors will be B + G + 20 Floors and maximum height of the building will be 68 m.
5. Total Saleable DU's (dwelling units) is 83.

  
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6. The project proposal falls under Category-8(a) Building and construction project of EIA Notification, 2006 (as amended).
7. Salient features of the project as submitted by the project proponent:

PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
<b>GENERAL</b>			
1.	Plot Area	10,036	SQMT
2.	Proposed Built Up Area	30,395	SQMT
3.	Total no of Saleable DU's/Villas	83	No.
4.	Max Height - (Height of tallest block)	70	M
5.	No of Building Blocks (Residential + Community facilities)	3 (Apartment Block, Commercial Block & Club House)	
6.	Max No of Floors	20 Floors	No.
7.	Expected Population (Residential Population – 538 Nos., Club House - 54 Nos., Commercial Block – 20 Nos., Maintenance Staff & Visitors – 31 Nos.)	643	No.
8.	Total Cost of Project	144.82	Crores
9.	Project Activity:	Residential cum Commercial Development	
<b>AREAS</b>			
10.	Permissible Ground Coverage Area (50%)	5,018	SQMT
11.	Proposed Ground Coverage Area (16 %)	1,606	SQMT
12.	Permissible FSI Area (2.0)	20,072	SQMT
13.	Proposed FSI Area (1.99)	19,980	SQMT

14.	Other Non FSI Areas - including basement area etc.	10,415	SQMT
15.	Proposed Total Built Up Area	30,395	SQMT
<b>WATER</b>			
16.	Total Water Requirement	84	KLD
17.	Fresh water requirement	52	KLD
18.	Treated Water Requirement	32	KLD
19.	Wastewater Generation	77	KLD
20.	Proposed Capacity of STP	90	KLD
21.	Treated Water Available for Reuse	73	KLD
22.	Treated Water Recycled	32	KLD
23.	Surplus treated water to be discharged in Municipal Sewer with Prior Permission, if any	41	KLD
<b>RAINWATER HARVESTING</b>			
24.	Rainwater Harvesting - Recharge Pits	5	No.
25.	Rainwater Harvesting Sump Capacity	180	M3
<b>PARKING</b>			
26.	Total Parking Required as / Building Bye Laws	200 Nos. of Car Parking and 40 Nos. of Two-Wheeler Parking	
27.	Proposed Total Parking	212 Nos. of Car Parking and 42 Nos. of Two-Wheeler Parking	
28.	Parking in Basements	187 Nos. of Car Parking and 26 Nos. of Two-Wheeler Parking	
<b>GREEN AREA</b>			
29.	Proposed Green Area (Minimum 15.0% of plot area)	1806	SQMT
	Total area	10,036	
	Existing trees on plot	10	
	Number of trees to be planted	125	

	Number of trees to be transplanted/cut	0	
<b>SOLID WASTE MANAGEMENT</b>			
30.	Total Solid Waste Generation	0.362	TPD
31.	Organic waste	0.213	TPD
32.	Mode of Treatment & Disposal	Treated in Organic Waste Convertor and Used as manure for gardening	
33.	Quantity of Sludge Generated from STP & Disposal	8	KG/DAY
34.	Quantity of E-Waste Generation & Disposal	0.6	TPA
35.	Quantity of Hazardous waste Generation & Disposal	-	LPD
<b>POWER / GREEN POWER</b>			
36.	Total Power Requirement	1157	KW
37.	DG set backup	400	KVA
38.	No of DG Sets	2	No.
39.	Solar Panels – Roof Coverage	50	%
40.	Hot Water Requirement Of which met by Solar Panels	Solar Geyser will cater the Hot Water requirement for Top Two Floors	
<b>POPULATION</b>			
<b>Residential</b>	<b>DU'S</b>	<b>POP/DU</b>	<b>TOTAL POPULATION</b>
Total Saleable Du's	43	6	258
	40	7	280
Total Residential	83	-	538
<b>Non-Residential</b>			
Club House	10% of Fixed Residential Population		54
Commercial	Based on Floor Space		20

  
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Facility Management Staff & Visitors	5% of Fixed Residential Population	31
<b>Total Population</b>		<b>643 Nos.</b>

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


1. The PP shall furnish the revised green belt area as discussed during the meeting accordingly furnish the revised water balance & land breakup area.
2. The PP shall furnish the revised solar panel layout to covering 50% of the roof top.
3. The PP shall furnish the copy of AAI NOC.
4. The PP shall furnish the details of green rating norms for this project, such as IGBC.
5. The PP shall furnish the details for development of Pond in the OSR area.
6. The PP shall furnish the revised CER proposal as committed during the meeting

Now the proposal was placed in 391<sup>st</sup> meeting of SEAC held on 13.07.2023. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.

Sl.No	SEAC Query	Reply
1.	The PP shall furnish the revised green belt area as discussed during the meeting accordingly furnish the revised water balance & Land breakup area.	<ul style="list-style-type: none"> <li>• Greenbelt area proposed earlier was 1,506 Sq.m (15 % of the land area).</li> <li>• Based on SEAC directions, additional 552 Sq.m area to be utilized for greenbelt development in the form of grass grid pavers on the driveway.</li> <li>• The revised greenbelt is about 2,058 Sq.m (21 % of the land area).</li> </ul>

S. No.	Description	Area in	
		Sq.m	%


  
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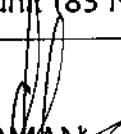
  
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a	Total Land Area	10,036	100
b	Ground Coverage area	1,606	16
c	Other Utilities Area	904	9
d	Surface Parking Area	341	3
e	Driveway & pavement Area	4,115	41
f	OSR Area	1,012	10
g	Green Belt Development Area	2,058	21

Sl.No	SEAC Query	Reply
2.	The PP shall furnish the revised solar panel layout to covering 50% of the roof top.	<ul style="list-style-type: none"> <li>• Solar panels capacity proposed earlier was 16 KW (covering 1/3<sup>rd</sup> of the terrace area).</li> <li>• Revised Proposal (Based on SEAC direction) include 24.42 KW capacity covering 50% of the terrace area.</li> <li>• Solar hot water generation proposed for top 3 floors instead of top 2 floors to harness the maximum feasible solar power.</li> </ul>
3.	The PP shall furnish the copy of AAI NOC.	<ul style="list-style-type: none"> <li>• Application seeking AAI NoC submitted at Airport Authority of India (AAI).</li> <li>• Currently under Examination of Regional NoC Centre.</li> </ul>
4.	The PP shall furnish the details of green rating norms for this project, such as IGBC.	Project will comply with eco- friendly & sustainability aspects that include:

		<ul style="list-style-type: none"> <li>• Optimally designed windows &amp; doors to maximize the Natural Ventilation, Daylight Savings potential</li> <li>• Captive Concrete Products Division, Glazing &amp; Metals and Interiors Division to reduce carbon footprint from Supply chain.</li> <li>• Utilization of Industrial waste recycled content include Ground Granulated Blast Furnace Slag (GGBS) in our construction</li> <li>• Locally procured &amp; captive production construction materials to reduce foot print from Transportation</li> <li>• Timber &amp; wood to be utilized will be Programme for the Endorsement of Forest Certification (PEFC) or Forest Stewardship Council (FSC) Certified</li> <li>• Other Eco-friendly measures include Additional Greenery, LED fixtures, Gear based Lifts etc.</li> </ul> <p>Limitations in adopting of Green Building Norms include:</p> <ul style="list-style-type: none"> <li>✓ Proposed residential development is small size and has less no. of dwelling unit (83 Nos.</li> </ul>
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		<p>and so Green certification will add additional financial load.</p> <ul style="list-style-type: none"> <li>✓ Purchase of external certified construction materials over the captive construction materials increases the Carbon Footprint and lead to constraints.</li> <li>✓ IGBC aspects such as STP, OWC, RWH system were already planned for the project</li> <li>✓ Impact on the timeline of the project &amp; also escalate the cost of the project (Registration, certification costs, Consultation cost etc..).</li> </ul>
5	The PP shall furnish the details for development of pond in the OSR area	<ul style="list-style-type: none"> <li>• Development of Pond in the OSR Area is proposed and will be implemented upon obtaining necessary permission from Local Body.</li> </ul>
6	The PP shall furnish the revised CER Proposal as committed during the meeting.	<ul style="list-style-type: none"> <li>• The CER Proposal has been revised to allocate 1 % of the project (Rs. 144 Lakhs).</li> </ul>

### **RECOMMENDATION OF THE COMMITTEE**


The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above 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:

  
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**Additional Conditions:**

1. The construction shall comply with Green Building norms and shall get minimum IGBC Silver rating.
2. STP shall be installed on 10-year BOT basis, so that the construction and maintenance are combined in one single responsibility.
3. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
4. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
5. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
6. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
7. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
8. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
9. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF Lko/Director of Environment and other concerning authority regularly.

  
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10. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
11. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
12. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.
13. As accepted by the Project Proponent the CER cost is Rs.144 Lakhs and the amount shall be spent for the committed activities for (i) Government Primary School, Tharamani (ii) Chennai Corporation Primary School, Rajalakshmi Nagar, Velachery (iii) Government Higher Secondary School, Velachery (iv) Chennai Higher Secondary School, Guindy (v) Thanthai Periyar Government Higher Secondary School, Puzhuthivakkam before obtaining CTE from TNPCB.

**Agenda No: 391-10**

**(File No: 10035/2023)**

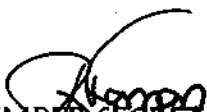
**Proposed Gravel quarry lease area over an extent of 2.03.50 Ha at S.F.Nos. 47/1, 48/1 & 48/2 of Kangaraseval Village, Vembakkottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. A. Kannuchamy - For Environmental Clearance.**

**(SIA/TN/MIN/428965/2023, Dated: 11.05.2023)**

The proposal was placed for appraisal in this 391<sup>st</sup> meeting of SEAC held on 13.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. A. Kannuchamy has applied for Environmental Clearance for the Proposed Gravel quarry lease area over an extent of 2.03.50 Ha at S.F.Nos. 47/1, 48/1 & 48/2 of Kangaraseval Village, Vembakkottai Taluk, Virudhunagar 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.

  
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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 reason for absence.

**Agenda No: 391-11**

**(File No: 10042/2023)**

**Proposed Rough Stone and Gravel quarry lease area over an extent of 1.83.50 Ha at S.F.Nos. 580 & 581 of Korukkampatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. A. Paulraj - For Environmental Clearance.**

**(SIA/TN/MIN/428643/2023, Dated: 12.05.2023)**

The proposal was placed for appraisal in this 391<sup>st</sup> meeting of SEAC held on 13.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, Thiru. A. Paulraj has applied for Environmental Clearance for the Proposed Rough Stone and Gravel quarry lease area over an extent of 1.83.50 Ha at S.F.Nos. 580 & 581 of Korukkampatti Village, Vembakottai Taluk, Virudhunagar 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 document furnished by the proponent, SEAC noted that solar panels are located in the vicinity of the project site. Hence, SEAC decided to call for the following additional details from the project proponent:

1. The proponent shall furnish a revised mining plan duly approved by the competent authority by leaving a safety distance of not less than 300m for the solar panels located near the lease boundary.
2. The proponent shall revise the EMP by including the cost of high wall sheet fencing for protecting the solar panels which are located on the northern side of the lease boundary.

Hence, the SEAC will deliberate the future course of action on the receipt of the above additional documents/ information.

  
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Agenda No: 391-12

(File No: 10049/2023)

Proposed Colour Granite quarry lease area over an extent of 2.52.0 Ha at S.F.No. 121(Part) of Modikuppam Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by M/s. Vinayaga Granites - For Environmental Clearance.

(SIA/TN/MIN/429468/2023, Dated: 17.05.2023)

The proposal was placed for appraisal in this 391<sup>st</sup> meeting of SEAC held on 13.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, M/s. Vinayaga Granites has applied for Environmental Clearance for the Proposed Colour Granite quarry lease area over an extent of 2.52.0 Ha at S.F.No. 121(Part) of Modikuppam Village, Bargur 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.

File No	10049 / 2023	Category	B2
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	M/s. Vinayaga Granites, No. 656/2, Salem Main Road, Kaveripattinam Post, Krishnagiri District - 635 112.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Colour Granite
3.	S.F Nos. of the quarry site with area break-up	:	121(Part)
4.	Village in which situated	:	Modikuppam
5.	Taluk in which situated	:	Bargur
6.	District in which situated	:	Krishnagiri
7.	Extent of quarry (in ha.)	:	2.52.0
8.	Latitude & Longitude of all corners of the quarry site	:	12°27'14.82"N to 12°27'22.62"N 78°18'13.14"E to 78°18'19.53"E

  
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9.	Topo Sheet No.	:	57-L/07
10.	Type of mining	:	Opencast Semi-Mechanized Mining
11.	Life of Project	:	20 years
	Lease Period	:	20 years
	Mining Plan Period	:	5 years
12.	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m <sup>3</sup> (RoM)	:	As modified by SEAC
		:	Colour Granite 5,42,339 m <sup>3</sup> ROM which includes 1,08,468 m <sup>3</sup> of Colour Granite (20% recovery) and 4,33,871 m <sup>3</sup> of Granite waste
	Mirable Resources m <sup>3</sup> (RoM)	:	Colour Granite 5,42,339 m <sup>3</sup> ROM which includes 1,08,468 m <sup>3</sup> of Colour Granite (20% recovery) and 4,33,871 m <sup>3</sup> of Granite waste
		:	Colour Granite 5,42,339 m <sup>3</sup> ROM which includes 1,08,468 m <sup>3</sup> of Colour Granite (20% recovery) and 4,33,871 m <sup>3</sup> of Granite waste
	Annual Peak Production in m <sup>3</sup>	:	3,12,858 m <sup>3</sup> ROM which includes 62,572 m <sup>3</sup> of Colour Granite (20% recovery) and 2,50,286 m <sup>3</sup> of Colour Granite waste
Existing Depth in meters	:	15,807 m <sup>3</sup> of ROM which includes 3161m <sup>3</sup> of granite (@20% recovery) & 12646m <sup>3</sup>	
Ultimate Depth in meters	:	15,807 m <sup>3</sup> of ROM which includes 3161m <sup>3</sup> of granite (@20% recovery) & 12646m <sup>3</sup>	
13.	Depth of water table	:	8 m BGL
14.	Man Power requirement per day:	:	-
15.	Water requirement:	:	22m BGL
	1. Drinking water	:	64m-59m bgl
	2. Utilized water	:	30 Nos.
15.	3. Dust suppression	:	1.2 KLD
		:	0.3 KLD
		:	-
		:	0.5 KLD


	4. Green belt		0.4 KLD	
16.	Power requirement	:	1,23,648 Liters of HSD for the mining plan period	
17.	Precise area communication approved by the Principal Secretary to Government, Industries (MME.2) Department	:	Letter No.896/MME.2/2021-1, Dated 26.02.2021	
18.	Mining Plan approved by Commissioner, Department of G&M.	:	Rc.No.6940/MM4/2020 Dated 09.02.2023	
19.	Department of G&M, Deputy Director 500m Cluster Letter	:	Roc.No.1044/2020/Mines, Dated: 21.03.2023	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated.27.03.2023	
21.	Project Cost (excluding EMP cost)	:	Rs. 4,33,20,000/-	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
		:		Colour Granite
		:	Max Total RoM in m <sup>3</sup>	77,283 m <sup>3</sup> ROM which includes 15,456 m <sup>3</sup> of Colour Granite (20% recovery) and 61,827 m <sup>3</sup> of Colour Granite waste
		:	Annual Max RoM in m <sup>3</sup>	15,807 m <sup>3</sup>
:	Max Depth in mtrs	22m below from existing ground profile		
23.	EMP cost (in Rs. Lakh).	:	Capital Cost – Rs. 34,02,400/- Recurring Cost – Rs. 12,38,440/-	

24.	CER cost (in Rs. Lakh).	:	Rs. 5,00,000/-
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Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 15,807m<sup>3</sup> of RoM which includes 3161m<sup>3</sup> of granite (@20% recovery) & 12646m<sup>3</sup> of granite waste by restricting the ultimate depth of mining upto 22m below from the existing ground profile 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 proponent shall erect sheet fencing around the project area and develop thick green plantations around the project site such that the mining activity does not cause any disturbance to the habitations located near the project site.
- 3) The PP shall remove the embedded boulders from the slope of the existing ground profile safely following the guidelines as stipulated in the permission obtained from the Director of Mines Safety, DGMS-Chennai Region.
- 4) The PP shall carry out the required number of plantation as committed in the EMP around the periphery of the lease boundary without deviation before the execution of the lease.
- 5) The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the controlled blasting operations and environmental protection measures for the structures located within 300 m from the lease boundary to the concerned AD (Mines) at the time of execution of lease.
- 6) As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs and the amount shall be spent for the activities as committed towards Government High School, Nakkalpatti, Krishnagiri District before obtaining CTO from TNPCB.

  
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Agenda No: 391 - 13.

(File No: 10036/2023)

Proposed Rough Stone and Gravel Quarry over an extent of 1.62.5Ha SF.No.516/3, 516/4, 516/5, 516/6, 516/7, 516/8, 516/9, 516/10, 516/11 and 516/12 of Pulikuthi Village, Uthamapalayam Taluk, Theni District by Thiru.A.Kannan - For Environmental Clearance. (SIA/TN/MIN/428913/2023 dt:12.05.2023)

The proposal was placed in 391<sup>st</sup> SEAC Meeting held on 13.07.2023. The project proponent gave detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, Thiru. A. Kannan has applied for Environmental Clearance for the proposed Rough Stone and Gravel Quarry over an extent of 1.62.5Ha SF.No.516/3, 516/4, 516/5, 516/6, 516/7, 516/8, 516/9, 516/10, 516/11 and 516/12 of Pulikuthi Village, Uthamapalayam Taluk, Theni 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 for the period of 1<sup>st</sup> five years & production should not exceed 125095m<sup>3</sup> Rough Stone & 48501m<sup>3</sup> of Gravel. The annual peak production is 24500m<sup>3</sup> of Rough Stone & 33060m<sup>3</sup> of Gravel. The depth of mining is 35 m (5m AGL+ 30m BGL).

Based on the presentation and documents furnished by the project proponent, SEAC noted that the lease of the proposed mining area is abutting Salamalai Karadu R.F and an Odai. Further, on examining the environmental setting it was found that the land pattern of the proposed mining area is a low lying land between two hills forming a valley-like terrain and the proposed area served as a catchment and drainage for the waterbodies in the downstream.

Considering the above critical environmental observations, SEAC decided not to recommend this proposal for grant of Environmental Clearance considering adverse impact of mining on the said environmental setting in and around the proposed mining area.

  
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Agenda No: 391 - 14.

(File No: 10043/2023)

Proposed Rough Stone and Gravel Quarry over an extent of 4.96.0Ha SF.No.1002/B (P), 1008 And 1009/B(P) of Monjanur (East) Village, Pugalur Taluk, Karur District by Thiru. N. Sivakumar - For Environmental Clearance.

(SIA/TN/MIN/428962/2023 dt:17.05.2023)

The proposal was placed in 391<sup>st</sup> SEAC Meeting held on 13.07.2023. The project proponent gave detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. Earlier, the PP has obtained EC through DEIAA vide Lr.No. DEIAA-DIA/TN/MIN/6796/2017-KRR, EC.No.3- Dt:23.06.2017 valid upto 22.06.2023 (including Covid relaxation as per MoEF&CC notification Dt:18.01.2023) for over an extent of 4.96.0 ha, Rough Stone - 138431 m<sup>3</sup>, & Depth - 9m.
2. Certified Compliance Report from IRO (SZ), MoEF&CC vide E.P./12.1/2023-24/SEIAA/44/TN/835 Dt:11.07.2023.
3. MoEF&CC OM Dt:28.04.2023.
4. Now, the project proponent, Thiru. N. Sivakumar has applied for Environmental Clearance for the proposed Rough Stone and Gravel Quarry over an extent of 4.96.0Ha SF.No.1002/B (P), 1008 And 1009/B(P) of Monjanur (East) Village, Pugalur Taluk, Karur District, Tamil Nadu.
5. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
6. The precise area communication was issued for the period of 5 Years. The approved mining plan is for the period of five years & production should not exceed 175627m<sup>3</sup> of Rough Stone, 12000m<sup>3</sup> of Weathered Rock & 24786m<sup>3</sup> of Gravel. The annual peak production is 35250m<sup>3</sup> of Rough Stone (1<sup>st</sup> Year), 7500m<sup>3</sup> of Weathered Rock & 15300m<sup>3</sup> of Gravel (1<sup>st</sup> Year) . The depth of mining is 18m BGL.

  
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Based on the presentation and documents furnished by the project proponent, SEAC noted that in the earlier EC issued by DEIAA vide Lr. No. DEIAA-DIA/TN/MIN/6796/2017-KRR, EC.No.3- Dt:23.06.2017 reveals the existing pits of 2 nos. with depth of 10m but in the current approved mining plan & CCR it was mentioned that the existing pits of 2 nos. with depth of 9m & 8m. In this connection, the proponent shall furnish (i) A clarification letter obtained from AD/DD, Dept. of G&M after having carried out a field inspection, (ii) Revised EMP details & cost including mine closure plan for the life of mine.

**Agenda No: 391 - 15**

**(File No: 10050/2023)**

**Existing Grey Granite Quarry lease over an extent of 1.05.5Ha S.F.No.840/1 (Part), Sonarahalli Village, Pochampalli Taluk, Krishnagiri District by Thiru. K. P. Lakshmanan - For Terms of Reference. (SIA/TN/MIN/429268/2023, dt: 18/05/2023)**

The proposal was placed in the 391<sup>st</sup> SEAC Meeting held on 13.07.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. Earlier, the PP has obtained EC through DEIAA vide Lr.No.03 DEIAA-KG1/EC.No.102/2018 Dt:27.08.2018 valid upto 26.08.2024 (including Covid relaxation as per MoEF&CC notification Dt:18.01.2023) for over an extent of 1.05.5Ha S.F.No.840/1 (Part), Sonarahalli Village, Pochampalli Taluk, Krishnagiri District for production of grey granite - 16736 m<sup>3</sup>, & Depth - 17m.
2. Precise area communication Lr.No.9557/MME-2/09-1, Dt:31.07.2009.
3. Mining lease vide G.O.(3D) No.36 Industries (MME.2) Department Dt:09.11.2009 (09.11.2009 to 08.11.2029).
4. Lease executed by District collector on 14.12.2009 to 13.12.2029
5. 3<sup>rd</sup> Scheme of Mining plan by Commissioner, Dept. of G&M vide Rc.No.46/MM4/2023 Dt:20.02.2023.
6. 500m Radius Cluster Certificate by DD/Dept. of G&M vide RoC.No.1641/2022, Dt:10.03.2023
7. Now, the project proponent, Thiru. K. P. Lakshmanan has applied for Terms of Reference for the Grey Granite Quarry lease over an extent of 1.05.5Ha

S.F.No.840/1 (Part), Sonarahalli Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu.

8. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
9. MoEF&CC Office Memorandum Dt: 01.07.2016 states that "A cluster shall be formed when the distance between the peripheries of one lease is less than 500 meters from the periphery of other lease in a homogeneous mineral area which shall be applicable to the mine leases or quarry licenses granted on and after 9th September, 2013."

During presentation EIA coordinator and the PP stated that they intend to withdraw of the proposal and to apply for EC as B2 category proposal. Under this circumstances SEAC, without examining the proposal, decided to request SEIAA to consider the request for withdrawal of this proposal as and when received.

Agenda No: 391-16

(File No: 10037/2023)

Proposed Rough Stone and Gravel Quarry over an extent of 1.76.5Ha at S.F.No.187/3A of Sampatti Village, Manapparai Taluk, Tiruchirappalli District, Tamil Nadu by Thiru. P. Thangaraj - For Environmental Clearance. (SIA/TN/MIN/428385/2023, dated: 10.05.2023).

The proposal was placed in this 391<sup>st</sup> Meeting of SEAC held on 13.07.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. P. Thangaraj has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an extent of 1.76.5Ha at S.F.No.187/3A of Sampatti Village, Manapparai Taluk, Tiruchirappalli District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 10 years. The mining plan is for the period of first Five years & production should not exceed 80,310 m<sup>3</sup> of Rough Stone & 25,194 m<sup>3</sup> of Gravel with an ultimate depth of mining 12.0m BGL.

  
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4. This is a fresh quarry. The salient features of the proposed project as follows

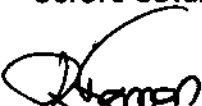
File No	10037		Category	"B2" 1(a)
	SIA/TN/MIN/428385/2023, dated:10.05.2023			EC
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Thiru.P.Thangaraj, S/o. Ponnusamy, No.365, Annampatti Post, Sampatti, Manapparai Taluk, Tiruchirappalli-621 312.	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone and Gravel	
3.	S.F Nos. of the quarry site with area break-up	:	187/3A	
4.	Village in which situated	:	Sampatti	
5.	Taluk in which situated	:	Manapparai	
6.	District in which situated	:	Tiruchirappalli	
7.	Extent of quarry (in ha.)	:	1.76.5Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	10°31'19.51"N to 10°31'28.20"N 78°25'51.00"E to 78°25' 55.32"E	
9.	Topo Sheet No.	:	58 J/06	
10.	Type of mining	:	Opencast Semi mechanized method of 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 <sup>3</sup> (RoM)	:	262350 m <sup>3</sup>	34980 m <sup>3</sup>
	Minable Resources m <sup>3</sup> (RoM)	:	115540 m <sup>3</sup>	25194 m <sup>3</sup>
	Annual Peak Production in m <sup>3</sup>	:	16100 m <sup>3</sup>	10710 m <sup>3</sup>
	Maximum Depth in meters	:	17 m BGL (as per AMP)	
13.	Depth of water table	:	56m BGL	

14.	Man Power requirement per day:	:	22 Nos.	
15.	Water requirement: 1. Drinking water 2. Dust suppression 3. Green belt	:	5.0 KLD 2.0 KLD 1.5 KLD 1.5 KLD	
16.	Power requirement	:	TNEB 68,456 Liters of HSD -	
17.	Precise area communication approved by the Assistant Director, Dept. of Geology & Mining.	:	Rc.No.1786/2022/Kanimam, dated: 31.03.2023	
18.	Mining Plan approved by Assistant Director, Dept. of Geology & Mining.	:	Rc.No.1786/2022/Mines, dated: 10.04.2023	
19.	Assistant Director, Dept. of Geology & Mining 500m Cluster Letter	:	Rc.No.1786/2022/Mines, dated: 10.04.2023	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 13.02.2023	
21.	Project Cost (excluding EMP cost)	:	Rs. 56.69 lakhs	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
				Rough Stone      Gravel
			Max Total RoM in m <sup>3</sup>	80310 m <sup>3</sup> 25194 m <sup>3</sup>
			Annual Max RoM in m <sup>3</sup>	16100 m <sup>3</sup> 10710 m <sup>3</sup>
			Max Permissible Depth in mtrs	12m BGL
23.	EMP cost (in Rs. Lakh).	:	Capital cost – Rs. 19.18 Lakhs	

			recurring cost/annum – Rs. 26.98 Lakhs
24.	CER cost (in Rs. Lakh).	:	Rs. 8,00,000 /- 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 16100 m<sup>3</sup> of Rough stone by maintaining the ultimate depth of mining of 12 m 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) Since few habitations are situated within 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and 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.
- 3) The PP shall furnish the Standard Operating Procedures (SoP) for carrying out the blasting operations in the proposed quarry to the AD (Mines) at the time of lease execution.
- 4) As accepted by the Project Proponent the CER cost is Rs. 8.0 lakh and the amount shall be spent for the Government High School, Anampatty Village before obtaining CTO from TNPCB.

  
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Agenda No: 391-17

(File No: 10044/2023)

Proposed Expansion of hospital buildings located at S.F.Nos. 298, 300/2, 306, 307pt, 308pt, 499, 500, 501 & 502pt of Sowripalayam village, Coimbatore South Taluk, Coimbatore District, Tamil Nadu by M/s. PSG Hospitals - For Environmental Clearance (SIA/TN/INFRA2/428642/2023, dated:11/05/2023).

The proposal was placed in this 391<sup>st</sup> SEAC meeting held on 13.07.2023. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. PSG Hospitals has applied for Environmental Clearance for the Proposed Expansion of hospital buildings located at S.F.Nos. 298, 300/2, 306, 307pt, 308pt, 499, 500, 501 & 502pt of Sowripalayam village, Coimbatore South Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of item 8(a) "Building & Construction Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the PP has obtained EC under Violation Category from SEIAA-TN vide Letter No. SEIAA-TN/F.No. 613/EC/8(a)/775/2021 dated 29.07.2021. The Project involves expansion of the hospital by increasing the bed strength to 800 No. of beds. Number of Outpatients after expansion is 1000Nos. Area of the land is 83,162 Sq.m and Built up area is 64,501 Sq.m.
4. Further, the PP has obtained EC vide Letter No. SEIAA-TN/F.No. 9039/EC/8(a)/864/2022 dated 25.08.2022. The Project involves expansion of the hospital by increasing the bed strength from 800 to 900No. of beds. Number of Outpatients after expansion is 1200Nos. Area of the land is 83,162 Sq.m and Built up area is 97,954.28 Sq.m.
5. The Certified Copy of the Compliance Report for Earlier EC was obtained from MoEF&CC vide E.P/12.1/2021-22/SEIAA/13/TN/492 dated: 24.04.2023.
6. The proposed expansion involves construction of 19,620.02 sq.m of built-up area within the existing land area of 83,162 Sq.m. Hence, the total built up area after expansion will be 1,17,574.32 Sqm. Also, the no of beds is increasing from

  
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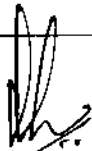
900 to 1000 Nos and Number of Outpatients after expansion will be 1300Nos. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for the expansion of hospital buildings (Building Construction Project) at S.F. No. 298, 300/2, 306, 307pt, 308pt, 499, 500, 501 & 502pt of Sowripalayam Village, Coimbatore South Taluk, Coimbatore District, Tamil Nadu by the M/s PSG Hospitals.
2. M/s. Eco Tech Labs Pvt Ltd is the EIA Consultant for the project.
3. Total plot area of the project is 83,162 m<sup>2</sup> and the total built-up area after expansion is 1,17,574.3 m<sup>2</sup>.
4. Maximum number of floors will be 1 No of Basement Floor + Ground + 8 Floors and maximum height of the building will be 30 m.
5. Total No of Beds will be increased from 900 Nos to 1000 Nos.
6. Salient features of the project as submitted by the project proponent:

PROJECT SUMMARY					
Sl. No.	Description	Existing EC		After Expansion	
		Total Quantity	Unit	Total Quantity	Unit
<b>GENERAL</b>					
1	Plot Area	83,162	SQMT	83,162	SQMT
2	Built Up Area	97,954.28	SQMT	1,17,574.3	SQMT
3	Total no of Beds	900	No.	1000	No.
4	Max Height - (Height of tallest block)	30	M	30	M
5	No of Building Blocks	4	Nos	4	Nos
6	Max No of Floors	B+G+8	No.	B+G+8	No.

7	Expected Population				
	In-patients	900	No.	1000	No.
	Out patients	1200	No.	1300	No.
	Employees	1050	No.	1100	No.
	Visitors	1300	No.	1450	No.
8	Total Cost of Project	96.40	CR	32.78(proposed expansion)	CR
9	Project Activity:	Proposed Expansion of Hospital Buildings			
<b>AREAS</b>					
10	Permissible Ground Coverage Area (50%)	41,581	SQMT	41,581	SQMT
11	Proposed Ground Coverage Area (19.43%)	15,639.71	SQMT	16,157.71	SQMT
12	Permissible FSI Area (2.0)	1,66,324	SQMT	1,66,324	SQMT
13	Proposed FSI Area (1.09)	70,639.32	SQMT	90,259.32	SQMT
14	Other Non FSI Areas - including basement area etc.	27,315	SQMT	27,315	SQMT
15	Proposed Total Built Up Area	97,954.28	SQMT	1,17,574.32	SQMT
<b>WATER</b>					
16	Total Water Requirement	606	KLD	661	KLD

  
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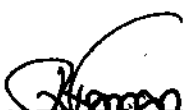
  
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17	Fresh water requirement	364	KLD	397	KLD
18	Treated Water Requirement	242	KLD	264	KLD
19	Wastewater Generation				
	Sewage Effluent	423 90	KLD KLD	461 100	KLD KLD
20	Proposed Capacity of STP	2000	KLD	2000	KLD
	ETP	200	KLD	200	KLD
21	Treated Water Available for Reuse	488	KLD	561	KLD
22	Treated Water Recycled	242	KLD	264	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	246	KLD	297	KLD
<b>RAINWATER HARVESTING</b>					
24	Rainwater Harvesting - Recharge Pits	8	No.	10	No.
25	Rainwater Harvesting Sump Capacity	405	M <sup>3</sup>	506	M <sup>3</sup>
<b>PARKING</b>					

  
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25	Total Parking Required as / Building Bye Laws	Car - 435 / 2 Wheeler - 435	ECS	Car - 435 / 2 Wheeler - 435	ECS
26	Proposed Total Parking	Car - 2720/ 2 Wheeler - 1500	ECS	Car - 2660/ 2 Wheeler - 1600	ECS
27	Parking in Basements	Nil	ECS	Nil	ECS
<b>GREEN AREA</b>					
28	Proposed Green Area (Minimum 15.0% of plot area)	18,901 (22.72%)	SQMT	18,901 (22.72%)	SQMT
	Total area	83,162	SQMT	83,162	SQMT
	Existing trees on plot	797	Nos.	1297	Nos.
	Number of trees to be planted	500	Nos.	500	Nos.
	Number of trees to be transplanted/cut	0	Nos.	0	Nos.
<b>SOLID WASTE MANAGEMENT</b>					
29	Total Solid Waste Generation	0.785	TPD	0.858	TPD
30	Organic waste	0.471	TPD	0.515	TPD
31	Mode of Treatment & Disposal	Biodegradable - Bio Gas Plant		Biodegradable - Bio Gas Plant	

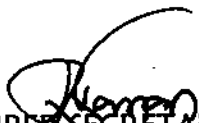
  
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		Non-Biodegradable – Recyclers  Bio Medical waste – Authorized CBMWTF (Tekno Therm Industries)  STP Sludge – Manure in Gardening		Non-Biodegradable – Recyclers  Bio Medical waste – Authorized CBMWTF (Tekno Therm Industries)  STP Sludge – Manure in Gardening	
32	Quantity of Sludge Generated from STP & Disposal	110	KG/DAY	120	KG/DAY
33	Quantity of E-Waste Generation & Disposal	45	KG/ANNU M	50	KG/ANNU M
34	Quantity of Hazardous waste Generation & Disposal	1000	LPA	1000	LPA
	Quantity of Bio Medical Waste	855	KG/DAY	945	KG/DAY
Disposal of BMW - TNPCB Authorized Common Bio-Medical Waste Treatment Facility (CBMWTF), M/s. Tekno Therm Industries.					
POWER / GREEN POWER					
34	Total Power Requirement	2675	KW	3000	KW
35	DG set backup	500 KVA x 1 1010 KVA x 2	KVA	500 KVA x 1 1010 KVA x 2	KVA

36	No of DG Sets	3	No.	3	No.
37	Solar Panels – Roof Coverage	500 KW (50%)	%	700 KW (65%)	%
38	Hot Water Requirement Of which met by Solar Panels	25	KLD	25	KLD

Details of POPULATION		
	TOTAL POPULATION (Existing EC) (Nos.)	TOTAL POPULATION (Proposed Expansion Activity) (Nos.)
<b>Hospital</b>		
In-patient	900	1000
Out-patients	1200	1300
Facility Management Staff	1050	1100
Visitors	1300	1450
<b>Total Population</b>	<b>4450</b>	<b>4850</b>
EMP Cost	Rs. 723 Lakhs	
CER Cost	Rs. 35 Lakhs	
Details of CER Activities	1. Solar Fencing to avoid Man – Animal Conflict in Coimbatore Region – Rs. 25 Lakhs 2. Funds for improvement of infrastructure facilities of Elephant Camp at Top Slip – Rs. 10 Lakhs	

  
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## RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended grant of environmental clearance for the proposed expansion activity subject to all the conditions stipulated in the EC issued vide Lr. No. Letter No. SEIAA-TN/F.9039/EC/8(a)/864/2022 dated: 25.08.2022 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:


### Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Platinum rating.
2. The Project Proponent shall provide MLCP instead of open space car parking and the area released should be used for providing additional Tree plantation.
3. 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.
4. The treated water shall be utilized for flushing the channel situated nearby and meets the norms.
5. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area. (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
6. The PP shall obtain the BMW agreement from the HCFs/CBWTFs to reduce illegal dumping of BMW.
7. The generated Bio medical waste shall be handled as per Bio Medical waste management Rules 2016.

  
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8. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
9. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
10. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
11. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
12. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
13. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
14. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
15. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
16. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF Lko/Director of Environment and other concerning authority regularly.
17. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.

  
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18. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.

19. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

**Agenda No: 391-18**

**(File No: 10051/2023)**

**Proposed Black Granite (Dolerite) quarry over an extent of 1.58.30Ha at S.F.Nos. 294/1 (PART), 292/2D2 of Samanur Village & S.F.Nos. 115/2C(PART), 115/2B2 (PART) of Gummanur Village, Palacode Taluk, Dharmapuri District, Tamil Nadu by Thiru. P. Raman - For Terms of Reference. (SIA/TN/MIN/429277/2023, dated:18.05.2023).**

The proposal was placed in this 391<sup>st</sup> Meeting of SEAC held on 13.07.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent, Thiru. P. Raman has applied for Terms of Reference for the Proposed Black Granite (Dolerite) quarry over an extent of 1.58.30Ha at S.F.Nos. 294/1 (PART), 292/2D2 of Samanur Village & S.F.Nos. 115/2C(PART), 115/2B2 (PART) of Gummanur Village, Palacode Taluk, Dharmapuri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. It is an Existing quarry lease area. The lease deed was executed on 08.10.2018 and lease period is upto 07.10.2038.
4. Earlier, the PP has obtained EC from District Level Environmental Impact Assessment Authority, Dharmapuri vide Lr.No.01/DEIAA-DPI/EC.No.01/2018 dated:29.06.2018 for the quantity of 4865 cu. m of Black Granite up to a depth of 12m BGL and stipulates that,  
*"...conditions to be complied before/during commencing operations:  
NOC from the standing committee of the NBWL shall be obtained, if protected areas are located within 1o km from the proposed project site..."*
5. The Cauvery (North) wild life sanctuary is located at a distance of 3.78 km

  
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west from the quarry lease.

6. It is ascertained that the buffer zone of the Cauvery North Wild Life Sanctuary is 10km While issuing EC. It is seen that the PP has not obtained NBWL clearance before commencing quarry operations.
7. In the meanwhile, the final notification of Cauvery North Wild Life Sanctuary of MoEF&CC had declared 1 km buffer zone for Cauvery Wild Life Sanctuary on 01.01.2020.
8. The quarry operations had been commenced as per the EC after obtaining the 'Permits' to mine out & transport the mineral quantity of 2045.486 cu.m of Black Granite (08.10.2018 to 07.10.2023) from DD, Dept of geology and Mining, Krishnagiri but without obtaining NBWL clearance.
9. The failure to obtain the prior clearance from NBWL before the commencement attracted the Section 15 of the Environment (Protection) Act, 1986.
10. As per the mining plan, Existing pit depth is 10m.
11. Now, the PP had submitted the first scheme of mining for the next period of five years (08.10.2023 to 07.10.2028) & production Reserves should not exceed 22400 m<sup>3</sup> of ROM, 4480 m<sup>3</sup> of Black Granite @ 20% recovery and 17920 m<sup>3</sup> of Granite waste @80% with ultimate depth of mining 22m (10m Existing pit depth + 12m proposed depth) Below Ground Level. The annual peak production 5425 m<sup>3</sup> of ROM and 1085 m<sup>3</sup> of Black Granite @ 20% recovery and 4340 m<sup>3</sup> of Granite waste @80%.

Based on the presentation made by the proponent, SEAC decided to recommend the proposal for Terms of Reference (TOR) with Public Hearing subject to the following Special TOR conditions, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC and Annexure-I are to be included in EIA/EMP Report:

1. The PP shall furnish the reason for not obtaining NBWL clearance before commencement of work, since EC was issued to the project vide Lr.No.01/DEIAA-DPI/EC.No.01/2018 dated:29.06.2018 stipulates that,

*"...conditions to be complied before/during commencing operations."*

*NOC from the standing committee of the NBWL shall be obtained, if protected areas are located within 10 km from the proposed project site..."*

2. The details regarding if any action taken against the PP shall be obtained from the AD/DD Geology & mining.
3. The PP shall furnish certified EC compliance report obtained from MOEF&CC/TNPCB.
4. The PP shall spell out the conservation cost considering the existence of Cauvery North Wild Life Sanctuary after consultation with concerned DFO.
5. The PP shall spell out the mitigation measures considering the existence of Doddabadaganapalli Reserved Forest and Samanur RF within 1 km from the proposed quarry site.

**Agenda No: 391-19**

**(File No: 10038/2023)**

**Proposed Ordinary Earth quarry lease over an extent of 3.60.42Ha at S.F.No. S.F.Nos. 1606, 1609(Part) & 1610/2B (Part), in Andipatti Bit-II Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru. M. Kasimayan, - For Environment Clearance**


**(SIA/TN/MIN/422588/2023 dt 18.03.2023)**

The proposal was placed in this 391<sup>h</sup> meeting of SEAC held on 13.07.2023. The Project Proponent made a detailed power point presentation about the proposed project. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). **The SEAC noted the following:**

1. The Project Proponent, Thiru. M. Kasimayan has applied seeking Environment Clearance for the proposed Ordinary Earth quarry lease over an extent of 3.60.42Ha at S.F.No. S.F.Nos. 1606, 1609(Part) & 1610/2B (Part), in Andipatti Bit-II Village, Andipatti Taluk, Theni 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.

Based on the presentation and documents furnished by the project proponent, SEAC directed the PP to obtain the following document/detail:

- 1) Revised land lease deed document from the landowner detailing the project activity.

  
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Agenda No: 391-20

(File No: 10045/2023)

Existing Rough stone and Gravel quarry lease over an extent of 3.13.0 Ha at S.F.No. S.F.Nos.50/3 & 50/4, in Sukkampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by M. Palanisamy- Environment Clearance for next scheme of mining (SIA/TN/MIN/428451/2023 dt 11.05.2023)

The proposal was placed in this 391<sup>h</sup> meeting of SEAC held on 13.07.2023. The Project Proponent made a detailed power point presentation about the proposed project. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, M. Palanisamy has applied seeking Environment Clearance for the existing Rough stone and Gravel quarry lease (next scheme of mining) over an extent of 3.13.0 Ha at S.F.No. S.F.Nos.50/3 & 50/4, in Sukkampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification 2006, as amended.
3. Lr. No. SEIAA-TN/F.No.5551/1(a)/ EC.No: 3556/2015 dated:10.08.2015
4. CCR MoEF&CC Lr. No.EP/12.1/2023-24/SEIAA/31/TN/836 dated 11.07.2023
5. Existing Pit Dimension: Pit :240m (L) x 78 m (W) x 22m (D) (BGL)

The SEAC further noted that,

- (i) The following structures are located at a close distance from the lease boundary of the quarry:

Distance	No of Structures	Structure belongs to owner	Structure not belongs to owner	Type of Structure
0 - 50m	1	-	Yes	1 – Electronic Store
50- 100m	2	-	Yes	3 – Poultry Farms & 1 – Labour Farm
100-200m	1	-	Yes	1- Gas Godown (BP Co. Ltd) which is a storehouse for Gas Cylinders having the high pressure liquefiable gas, installed under the Indian Explosives Act,

  
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				1884
200 – 300m	4	-	Yes	3-Shed & 1 – Stock Yard office

- (ii) From the above Table, it is seen that the Gas Cylinder Storage Premise (Godown), located is within 300m from the proposed site, has been set up after obtaining the statutory permission from the office of the Chief Controller of Explosives under the provisions of the Gas Cylinders Rules, 2003 and the section 18 of the Explosives Act, 1884 considered to be the high hazard installation. Hence, it requires the society/habitations/other major industries are kept at a safe distance of 250 to 300 meters from the likely point of ignition for ensuring the clear space to minimize the risk due to the legal implications.
- (iii) Besides, three poultry farms are operating at a distance of 60m from lease boundary of the quarry.

Considering the above reasons, the SEAC have decided not to recommend the proposal for the grant of Environmental Clearance.

**Agenda No: 391-21**

(File No: 10052/2023)

Proposed Rough stone quarry lease over an extent of 1.00.0 Ha at S.F.No. 97/1A1 (Part-1), Vasur Village, Polur Taluk, Tiruvannamalai District, Tamil Nadu by Thriu. S. Rajkumar, - Environment Clearance. (SIA/TN/MIN/429346/2023 dt 19.05.2023)

The proposal was placed in this 391<sup>th</sup> meeting of SEAC held on 13.07.2023. The Project Proponent made a detailed power point presentation about the proposed project. 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, Thriu. S. Rajkumar has applied seeking Environment Clearance for the proposed Rough Stone quarry lease over an extent of 1.00.0 Ha at S.F.No. 97/1A1 (Part-1), Vasur Village, Polur Taluk, Tiruvannamalai District, Tamil Nadu.
2. The proposed activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification 2006, as amended.

  
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3. The AD/Mines vide letter Rc. No. 04/Kanimam/2023 dated 17.05.2023 has reported that the proposed quarry is an old quarry and consists of two existing pits of dimensions, 20m x 13m x 3m and 20m x 17m x 5m in the project area.

File No	10052	Category	B2
	SIA/TN/MIN/429346/2023 Dt:19.05.2023.		1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thriu. S. Rajkumar, No.2/257, Pillaiyarkovil Street, Palan koil Village, Kalasapakkam Taluk, Tiruvannamalai District-606751
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone
3.	S.F Nos. of the quarry site with area break-up	:	S.F.No. 97/1A1 (Part-1)- Government Land
4.	Village in which situated	:	Vasur Village
5.	Taluk in which situated	:	Polur Taluk
6.	District in which situated	:	Tiruvannamalai District
7.	Extent of quarry (in ha.)	:	1.00.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	:	12°29'28.62"N to 12°29'32.66"N 79°07'10.78"E to 79°09'16.46"E
9.	Topo Sheet No.	:	57 P/03
10.	Type of mining	:	Opencast semi mechanized method of mining.
11.	Life of Project	:	5 years
	Lease Period	:	5 years

	Mining Plan Period	:	5 years
	Mining Plan Details	:	As per approved Mining Plan
			As modified by SEAC
12.	Geological Resources in m <sup>3</sup> (RoM)	:	Rough stone – 143880 m <sup>3</sup>
	Minable Resources in m <sup>3</sup> (RoM)	:	Rough stone – 52535 m <sup>3</sup>
	Annual Peak Production in m <sup>3</sup>	:	Rough stone – 10620 m <sup>3</sup>
	Ultimate Depth in meters	:	20m AGL
13.	Depth of water table	:	55m BGL
14.	Man Power requirement per day:	:	20 Nos.
15.	Water requirement: 1. domestic purposes (in kLD) 2. Dust suppression 3. Green Belt	:	5.0 kLD 2.0 kLD 1.5 kLD 1.5 kLD
16.	Power requirement	:	TNEB 1,43,850 litres of HSD will be utilized
17.	Precise area communication approved by the Assistant Geologist, Assistant Director(i/c), Dept. of Geology & Mining	:	Rc.No.04/kaniman/2023 Dated:09.01.2023.
18.	Mining Plan approved by Assistant Geologist, Assistant Director(i/c), Dept. of Geology & Mining	:	Rc.No.04/kaniman/2023 Dated:06.04.2023.
19.	Assistant Geologist, Assistant Director(i/c), Dept. of	:	Rc.No.04/kaniman/2023 Dated:11.04.2023.

  
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	Geology & Mining 500m Cluster Letter				
20.	VAO Certificate Regarding Structures within 300m Radius		Letter dated: 13.04.2023.		
21.	Project Cost (excluding EMP cost)	:	Rs. 94,10,000/-		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Gravel
			Max Total RoM in m <sup>3</sup>	52535	-
			Annual Max RoM in m <sup>3</sup>	10620	-
		:	Max Depth in m	20m AGL	-
23.	EMP cost (in Rs. Lakh).	:	Capital cost – Rs.15.8 Lakh Recurring cost/Annum – Rs. 22.89 Lakh + 5% inflation cost		
24.	CER cost (in Rs. Lakh).	:	Rs. 5.0 Lakh		

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 10620 m<sup>3</sup> of Rough stone by maintaining the ultimate depth of mining of 20 m AGL and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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

  
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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) Since few habitations are situated within 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and 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.
- 3) For the safety of the persons employed in the quarry, the PP shall carry out the quarrying operations from the top to downwards systematically by constructing benches, as spelt out in the slope stability action plan submitted to the AD (Mines) at the time of lease execution.
- 4) The PP shall furnish the Standard Operating Procedures (SoP) for carrying out the blasting operations in the proposed quarry to the AD (Mines) at the time of lease execution.
- 5) As accepted by the Project Proponent the CER cost is Rs. 5.0 lakh and the amount shall be spent for the committed activities in Village Government School before obtaining CTO from TNPCB.

**Agenda No: 391 – 22**

**FileNo. (6567/2022)**

**Existing Lime Stone Mine Quarry over an extent of 4.86.5 ha comprising S.F.Nos. 17, 23/1, 24/1, 25/1, 33/1B(P), 33/2, 33/3, 33/4, 51/2B (P), 52/5(P), 153/2 of Chinnagoundanur Village, Sankari Taluk and Salem District Tamil Nadu by M/s.The India Cements Limited - for Corrigendum in Terms of Reference ( Form-9) regarding Extension of validity. (SIA/TN/MIN/302061/2023 dated: 09.07.2023)**

  
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The proposal was placed in 391<sup>st</sup> SEAC Meeting held on 13.07.2023. The project proponent gave detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. Earlier, the ToR for carrying out the EIA study issued vide SEIAA Lr No. SEIAA-TN/F.No.6567/SEAC/TOR- 630 /2019, Dated: 12.07.2019.
2. Extension of validity for ToR issued vide SEIAA Lr No. SEIAA-TN/F.No.6567/SEAC/TOR- 630 /Extn./2019, Dated: 26.09.2022 valid up to 11.07.2023 as per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects & as per MoEF&CC notification Dt:18.01.2023 ".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid...".
3. Now, the Project Proponent, M/s. The India Cements Limited as applied for Corrigendum in Terms of Reference (Form-9) regarding Extension of validity (deemed to be) upto 11.07.2024 which was inadvertently issued up to 11.07.2023.


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Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm that the ToR issued is valid (deemed to be) up to 11.07.2024 considering the Covid extensions.

Agenda No: 391 - TA

(File No: 9321/2023)

Existing New Building for Collectorate and other offices located at S.F.No. 191 Ward B, Block 4, T.S no.36 and others Tenkasi village, Tenkasi Taluk, Tirunelveli District, Tamil Nadu by M/s. Executive Engineer, PWD, Buildings (C&M) Division- For Environmental Clearance. (SIA/TN/MIS/252442/2022, dated 20-01-2022)

  
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The proposal was placed in this 391<sup>st</sup> SEAC Meeting held on 13.07.2023. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The project proponent gave detailed presentation. SEAC noted the following:

1. The Proponent, M/s. Executive Engineer, PWD, Buildings (C&M) Division has applied for Environmental Clearance for the existing New Building for Collectorate and other offices located at S.F.No. 191 Ward B, Block 4, T.S no.36 and others Tenkasi village, Tenkasi Taluk, Tirunelveli District, Tamil Nadu.
2. The project/activity is covered under Category "B" of item 8(a) "Building & Construction" of the Schedule to the EIA Notification, 2006.
3. The proposal comes under violation category.
4. ToR under violation category issued vide Letter. No. SEIAA-TN/F.No. 9321/Violation/ToR- 1383/2023, dated: 27.02.2023.
5. Earlier the proposal was placed in 380<sup>th</sup> SEAC meeting held on 17.05.2023. Based on the presentation made by the proponent, SEAC decided to constitute a sub-committee to make on-site inspection to examine the present status of the proposed project, environmental settings besides assessing the ecological damage assessment, remediation plan, natural resource augmentation and community resource augmentation furnished by the sub-committee. After the receipt of the site evaluation and ecological assessment report by the Sub-committee, the SEAC will deliberate on the issue of Environmental Clearance under violation category.

6. A Legal opinion has been sought by the PWD which states that

"...It is seen from your communication and perusal of records that the writ petitioner namely one S. P. Muthuraman had filed a writ petition in W.P(MD)No.19 136 of 2022 in the nature of a Public Interest Litigation alleging that the construction of the new Collectorate and other office complexes in the newly carved out Tenkasi District is being proceeded, without getting environmental clearance from the Tamil Nadu State Level Environment Impact Assessment Authority and also without

  
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obtaining the clearance from the Tamil Nadu Pollution Control Board. The Hon'ble Division Bench of the Madras High Court — Madurai Bench disposed of the writ petition, vide order dated 26.08.2022 as follows:

- “5. The learned Additional Advocate General stated that the environmental clearance application and the application before the Tamil Nadu Pollution Control Board are pending, but, on account of the fact that the newly carved out district has to be commissioned, the Public Works Department had begun the construction work. He also submitted that the construction would be suspended jar a further period of four weeks until the aforesaid clearances are obtained from respondents 1 and 3.*
- 6. As regards the prayer of the petitioner /or a mandamus to prosecute the fourth respondent, we are afraid that such a mandamus cannot be issued by this Court as there are alternate remedies available. Bearing in mind the larger public interest, we direct the second respondent to expeditiously dispose of the application dated 15.06.2022, which has been submitted by the fourth respondent to the second respondent jar environmental clearance.*
- 7. Recording the aforesaid undertaking, this writ petition stands closed. No costs.”*

It is seen from your records that your department had proposed to construct the new building for Collectorate and other offices for the newly carved Tenkasi Town and a application had been submitted for Environmental Clearance by your Department vide Filed No.9321 of 2022 to the State Environmental Impact Assessment Authority (SEIAA) as per the EIA Notification,2006. Moreover, it is seen that the same was appraised on the 320<sup>th</sup> State Level Expert Appraisal Committee (SEAC) meeting held on 13.10.2022 and thereafter based on the time of reference was also issued. Furthermore, there is an observation that the application of your department is being subject to the outcome of a Writ Petition in

W.P(MD)No 11757 of 2021 titled Fatima Vs Union of India challenging the Standard Operating Procedure (SOP) violation proposals dated 07.07.2021 which is pending adjudication.

Under such circumstances you have enclosed another Office Memorandum dated 28.01.2022 in F.No.22-21/2020-IA.III [E 138949] of the Government of India — Ministry of Environment, Forest and Climate Change (Impact Assessment Division). The said Office Memorandum reads as follows:

*"The Ministry issued a Standard Operating Procedure dated 7<sup>th</sup> July 2021 bearing the file number 22-21/2020-IA.III, for identification and handling of violation cases under EIA Notification 2006 in compliance fa order of the Hon'ble Nation al Green Tribunal in Appeal No.34/2020 (WZ) titled Tan aji B. Gombhire Vs. Chief Secretary, Government of Maharashtra.*

- 2. The SoP was challenged in the Madurai Bench of the High Court of Madras in the matter W.P.(MD). No.11757 of 2021 titled Fatima Vs Union of India and was interim stayed vide order dated 15<sup>th</sup> July 2021.*
- 3. Recently, in the Order dated 09<sup>th</sup> December 2021 in the matter of Civil Appeal Nos.7576-7577 ol 2021 in Electro steel Steels Limited Vs Union of India and Ors., the Hon'ble Supreme Court of India has inter-alia observed the following.*

*"93. The interim order passed by the Madras High Court appears to be misconceived. However, this Court is not hearing an appeal from that interim order. The interim stay passed by the Madras High Court can have no application to operation of the Standard Operating Procedure to projects in territories beyond the territorial jurisdiction of Madras High Court. Moreover, final decision may have been taken in accordance with the Orders/Rules prevailing prior to 7<sup>th</sup> July, 2021."*

4. *The copy of the order which is self-explanatory is enclosed herewith for necessary action.*

5. *This is issued with the approval of the competent authority."*

It is seen on perusal of records that the said case in the Writ Petition in W.P(MD)No 11757 of 2021 titled Fatima Vs Union of India had been dealt with the *Hon'ble Supreme Court of India in Civil Appeal Nos.7576-7577 of 2021 in Electro steel Steels Limited Vs Union of India* and an order had been passed as early as on 09.12.2021 based on which the above-mentioned Memorandum had been circulated.

Furthermore on perusal of the records it is seen that although there is a specific finding that the interim stay passed by the Madras High Court in the Fatima case can have no application to operation of the Standard Operating Procedure to projects in territories beyond the territorial jurisdiction of Madras High Court, yet there is also other findings that the final decision may have been taken in accordance with the Orders/ Rules prevailing prior to 7th July, 2021 as well as the other observation that the interim order passed by the Madras High Court appears to be misconceived by the Hon'ble Supreme Court.

It is also pertinent to note that after the said Fatima case, the Writ Petitioner one S. P. Muthu Raman had filed a fresh Writ Petition whose merits had been heard in detail and thereafter the Hon'ble Madurai Bench of Madras High Court had given a specific direction on the grounds of the larger public interest to the Tamil Nadu Pollution Control Board to expeditiously dispose of the application dated 15.06.2022 by your department for environmental clearance. Therefore, the concerned competent authorities are duty bound to follow the said direction of the Hon'ble High Court. And when the same also happens to be a subsequent direction, the said rule that has to be followed. Therefore, I am of the considered opinion that the concerned competent authorities including SEIAA, shall have to consider the application of the PWD department dated 15.05.2022 not only as per the rules and regulations as on force and applicable as on date but also in light of the said Office

  
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Memorandum (issued as per the judgment of the Hon'ble Supreme of India *in Civil Appeal Nos.7576-7577 of 2021* ) as well as the directions of the Hon'ble Division Bench of the Madras High Court — Madurai Bench in W.P(MD)No19136 of 2022.


Based on the above, The State Expert Appraisal Committee (SEAC) Tamil Nadu constituted a sub-committee vide its Lr.No. SEAC-TN/9321Site Inspection/2023, dt.01.06.2023; based on Minutes of the 380th SEAC Meeting, held on 17.05.2023, to inspect and study the field condition for the proposal seeking EC for the existing New Building for Collectorate and other offices located at S.F.No. 191 Ward B, Block 4, T.S no.36 and others Tenkasi village, Tenkasi Taluk, Tirunelveli District.

The Committee comprised of

1. Thiru. R. Thangaprakasam B.E, M.B.A., Member/SEAC
2. Thiru. K.S.S.V.P Reddy, IFS, Member/SEAC.

**I. Context & Chronology:**

- Construction of new Building for Collectorate and other offices located at S.F.No.191 Ward B, Block 4, T.S no.36 and other Tenkasi village, Tenkasi taluk, Tenkasi District of Tamil Nadu. It is constructed on a plot area of 36,218.79 m<sup>2</sup> without EC with a built-up area of 29621 sq.m. Project Cost: Rs.119.00 Crores.
- Construction was started in the year 2021 and was ongoing up to G+6 floors. In August 2022 the constructions work temporarily suspended for want of EC as per Hon'ble Madurai bench of Madras High court order dt.26.08.2022.
- Application for EC was made by the Executive Engineer, PWD Buildings (C&M) Division, Tenkasi on 07.06.2022 under violation category.
- ToR under violation category was issued 27.02.2023.
- EIA report was submitted to SEIAA on 16.05.2023.
- Presentation for EC under violation notification made to SEAC on 17.05.2023 in 380<sup>th</sup> meeting (File No.9321).

  
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- A site visit has been prescribed by the SEAC and accordingly a sub-committee consisting of K.S.S.V.P Reddy, IFS and Mr. R. Thangaprakasam CE (Rtd.,) has been formed.
- The sub-committee visited the New Collectorate building and inspected the relevant issues on 01.06.2023. The officials headed by the Executive Engineer (PWD), representatives from EIA co-ordinator and Forest Department officials have participated the site visit. The District Collector, Tenkasi, Thiru. Ravichandran, IAS has met the sub-committee at site and also briefed about the project.

## II. Observations:

1. Land use break up provided by the Project Proponent are as per the EIA report & PPT.
2. Build up area is detailed as under;

S.No	Description	Total Built-up (Sq. m.)
1	Ground Floor	4275
2	First Floor	3822
3	Second Floor	4197
4	Third Floor	4197
5	Fourth Floor	3822
6	Fifth Floor	4197
7	Sixth Floor	4197
8	Machine & Head Rooms	288
9	Steps, Ramp and Verandah Area	264
10	Parking & Portico	362
<b>Total Area</b>		<b>29,621 m<sup>2</sup></b>
<b>FSI</b>		<b>0.80</b>

3. Water balance and commitment letter for water from TWAD are as per the EIA and PPT.
4. Civil works for STP have been completed.
5. Rain Water Harvesting structures are yet to be constructed.



6. Storm water drain and leading to nearby Tenkasi lake are yet to be constructed.
7. Sub-committee instructed PP to install rooftop solar panel to 50% of capacity of power requested by the collectorate and the PP has agreed.
8. Environment Management Plan and Corporate Environment Responsibility are as per norms are to be taken up.
9. Green belt development of 500 plants is yet to be taken up. However, the work now has been started and completed as per the instruction of the sub-committee.

**III. Assessment of Ecological remediation cost, natural resource augmentation & community resource augmentation cost are worked out as per CPCB guidelines and also as per SEAC guideline 2018.**

Tenkasi collectorate building was only procedural violations i.e., the work started without obtaining EC. Hence, it may be considered as low-level ecological damage.

**A. CPCB guidelines:**

The guidelines issued by CPCB viz “Report of the CPCB In-house Committee on Methodology for Assessing Environmental Compensation and Action Plan to Utilize the Fund” pertaining to industrial unit and environmental compensation as detailed below:

$$EC = PI \times N \times R \times S \times LF$$

Where,

EC is Environmental Compensation in Rupees (₹)

PI = Pollution Index of industrial sector

N = Number of days of violation took place

R = A factor in Rupees (₹) for EC

S = Factor for scale of operation

LF = Location factor

The formula incorporates the anticipated severity of environmental pollution in terms of Pollution Index, duration of violation in terms of number of days, scale of operation in terms of micro & small/medium/large industry and location in terms of

proximity to the large habitations. The Pollution Index in the range of 60 to 100, 41 to 59 and 21 to 40, respectively. It was suggested that the average pollution index of 80, 50 and 30 may be taken for calculating the Environmental Compensation for Red, Orange and Green categories of industries, respectively. Since, the construction industry cannot be taken as industrial sector to arrive the pollution index further assessment of this formula may land in to subjective environmental compensation cost.

In the same CPCB guidelines in Chapter 2 environmental compensation to be levied in all violation cases is described in the table and the same is reproduced below.

Activity	State Of Air Quality	Environmental Compensation
Industrial Emissions	Severe +/Emergency	Rs 1.0 Crore
	Severe	Rs 50 Lakh
	Very Poor	Rs 25 Lakh
	Moderate to Poor	Rs 10 Lakh
<b>Vapour Recovery System (VRS) at Outlets of Oil Companies</b>		
i. Not installed	Target Date	Rs 1.0 Crore
ii. Non-functional	Very poor to Severe +	Rs 50.0 Lakh
	Moderate to Poor	Rs 25.0 Lakh
Construction sites (Offending plot more than 20,000 Sq.m.)	Severe +/Emergency	Rs 1.0 Crore
	Severe	Rs 50 Lakh
	Very Poor	Rs 25 Lakh
	Moderate to Poor	Rs 10 Lakh
Solid waste/ garbage dumping in Industrial Estates	Very poor to Severe +	Rs 25.0 Lakh
	Moderate to Poor	Rs 10.0 Lakh
<b>Failure to water sprinkling on unpaved roads</b>		
a) Hot-spots	Very poor to Severe +	Rs 25.0 Lakh
b) Other than Hot-spots	Very poor to Severe +	Rs 10.0 Lakh

  
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From the highlighted portion of the above table it can be seen that the proposed construction site is more than 20,000 sq.m and the considered air quality is moderate to poor which can be considered for the site the environmental compensation to be levied is Rs. 10 lakhs. There are two reasons to consider this value of Rs. 10 Lakhs viz. Firstly, the air at construction site is considered moderate to poor. Secondly, the guidelines speak about construction sites in the table which is pertaining to the project. The other chapters deal about illegal extraction of ground water, environmental solid waste management which is not pertaining the project site as the project site is not occupied.


Hence it can be considered for the site the environmental compensation to be levied is Rs. 10 lakhs.

**B. SEAC Guidelines**

The second guidelines considered for this environmental damage assessment is issued by SEAC during the year 2018 based on the inspection report and violation notification the SEAC classified the level damages by the following criteria.

Level of damages	Ecological remediation of cost (% of project cost)	Natural resource augmentation	Community resource augmentation cost (% of the cost)	CER (% of project cost)	Total (% of the project cost)
Low level ecological damage	0.25	0.10	0.15	0.25	0.75
Medium level ecological damage	0.35	0.15	0.25	0.5	1.25
High level ecological damage	0.50	0.20	0.30	1.00	2.00

They are low level ecological damage only due to

  
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- Procedural Violation (Started the Construction in 2021 at the site without obtaining EC)

The other two ecological damage are Medium and high level but the same is not applicable.

Based on this the project violation, it can be considered as low-level damage accordingly the following factors can be arrived.

Therefore

- Ecological remediation cost = 0.25 % of project cost
- Natural & community resource augmentation cost = 0.10+0.15 = 0.25 % of project cost.

**A. Ecological remedial cost**

The Ecological remedial cost is considered 0.25% of the project cost

i.e., Rs. 119, 00, 00,000 X 0.25% = Rs.29,75,000.

Again, the 0.25 % is divided into five parts related to land, water, air, noise, biological covering all the factors of environment.

S.No	Particular	Cost in Lakhs Rs.	Percentage (%) of Project Cost
1	Land Environment	13,09,000	0.11
2	Water Environment	8,33,000	0.07
3	Air Environment	3,57,000	0.03
4	Noise Environment	2,38,000	0.02
5	Biological Environment	2,38,000	0.02
	<b>Total</b>	<b>29,75,000</b>	<b>0.25</b>

**B. Natural and community resource augmentation cost**

Further, to calculate Natural and community resource augmentation damage the weightage is given about 0.10 and 0.15% totaling to 0.25% of the project cost.

i.e., Rs. 119, 00, 00,000 X 0.25% = Rs.29, 75,000.

The calculated amount is Rs.29, 75,000 will be utilized as follows

Natural and community resource damage

  
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S.No.	Activity	Proposed Area	Cost in Rs
1	Improvement of nearby waterbody	Nearby site	11,90,000
2	Improvement of tree plantation	Nearby site	3,85,000
3	Improvement of nearby school water supply and Toilet facilities	Government Primary school	14,00,000
Sub total			Rs. 29,75,000

**Summary of Remediation Plan & Natural and community Resource Augmentation Plan (Budgetary Allocation)**

S. No.	Aspects	Amount (Rs. In Lakhs)
1	Estimated cost on Ecological remediation plan based on the damage assessment due to violation	29,75,000
2	Cost estimate for natural resources augmentation plan and community resources augmentation plan	29,75,000
Grand Total		59,50,000

**Recommendation**

1. Considering all the available guidelines its recommended follow to SEAC guidelines for damage assessment for the Tenkasi Collectorate. The total amount to be considered against environmental damage is Rs. 59, 50,000.
2. The CER activities as presented in the meeting are detailed below:


S. No	Activity proposed	Cost (Lakhs)
1	Manjammal Govt. Girls Hr. Sec School, Tenkasi	
a	Girl's washroom improvement	10.00
b	Sanitary and sewage arrangements	6.00
c	Upgradation of classrooms	40.00
2	Govt Boys Hr Sec School, Melagaram – Modern Library facilities	50.00

3	Upgradation of girl's restrooms at Melasengottai	15.00
4	Upgradation of girl's restrooms at seevanallur	15.00
a	Construction of smart library	42.00
	Total	178.00

IV. Site Photographs:



Sub-committee discussion at site

  
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Before Tree Plantation



After Plantation



  
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The above Sub-committee report was placed in the 391<sup>th</sup> Meeting of SEAC held on 13.07.2023. After detailed deliberation, SEAC decided to recommend the proposal to SEIAA for grant of Environmental Clearance subject to the following conditions in addition to the normal conditions:


1. The recommendation is made in deference to the direction issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) No. 19136 of 2022 and also considering the legal opinion given by the Government Pleader to PED Department in Ref.No.GP/L.O./1126/2023. As the SoP, issued by the MOEF&CC, for considering violation cases is under stay by the Hon'ble Madurai Bench of Madras High Court, SEIAA may obtain an affidavit from the PP that the decision is without prejudice to the outcome of the W.P.(MD) No. 11757 of 2021 and the PP shall abide by the judgement in the writ petition and face the consequences if any. Further, as an abundant precaution, SEIAA may get the consent of the Hon'ble High Court by filing a clarification petition.
2. As per the MoEF& CC Notification, S.O.1030 (E) dated:08.03.2018, "The project proponent shall submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority and the bank guarantee shall be deposited.
3. Accordingly, the amount prescribed for Ecological remediation (Rs. 29.75 lakhs, natural resource augmentation (Rs. 11.90 lakhs) & community resource augmentation (Rs. 17.85 lakhs), totalling Rs. 59.50 lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 59.50 lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit acknowledgment of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.



3. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.
4. The amount committed by the Project proponent for CER activities for the violation period (Rs. 178.00 lakhs) shall be remitted in the form of DD to the beneficiary for the activities as committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN before grant of the EC.
5. Further, the PP shall allocate the budget of Rs. 178,00,000/- as CER activities and it shall be spent within a period of one year.
6. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
7. The proponent shall obtain fresh water supply commitment letter and disposal of excess treated sewage from local body before obtaining CTO
8. The proponent shall provide solar panels covering 40% of terrace area as committed.
9. The project proponent shall provide sewage treatment plant 20 KLD and treated water shall be utilized for flushing and green belt proposed. The excess treated water shall be utilized for Avenue plantation after obtain necessary permission from local body.
10. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor waste within project site as committed and non-Biodegradable waste to authorized recyclers as committed.
11. The height of the stacks of DG sets shall be provided as per the CPCB norms.
12. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
13. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development & OSR and no treated water be let out of the premise.

14. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
15. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
16. 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.
17. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement 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
18. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
19. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
20. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
21. No waste of any type to be disposed off in any other way other than the approved one.
22. All the mitigation measures committed by the proponent for the flood

  
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management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.

23. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
24. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
25. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
26. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
27. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.
28. The proponent shall furnish the detail about the built-up area for all the buildings with floor wise to TNPCB every year along with the compliance report for the Environmental Clearance.
29. Any violations and subsequent suitable action may be decided by SEIAA, as deemed appropriate, if arises.

  
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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.


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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## I. GRAVEL / ORDINARY EARTH QUARRY – GENERAL CONDITIONS

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

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

  
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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


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


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

  
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## II. 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.

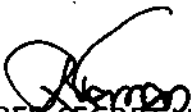
  
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- 8) The Proponent shall submit a conceptual 'Slope Stability Action Plan' incorporating the benches & accessible haul road approved by the concerned AD (Mines) for the proposed quarry at the time of lease execution.
- 9) The PP shall ensure that the 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.

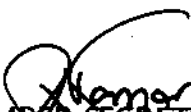
- 18) Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
- 19) The purpose of green belt around the project is to capture the fugitive 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.

  
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- 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

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

38) That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

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

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

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

  
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## 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 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.
4. 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.
5. 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.
6. 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

  
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the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.

7. 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.

8. 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.

9. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,

- a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
- b) Quantity of minerals mined out.
- c) Highest production achieved in any one year
- d) Detail of approved depth of mining.
- e) Actual depth of the mining achieved earlier.
- f) Name of the person already mined in that leases area.
- g) If EC and CTO already obtained, the copy of the same shall be submitted.
- h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.

10. 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).

11. The PP shall carry out Drone video survey covering the cluster, green belt, fencing, etc.,

12. 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.

13. 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.

14. 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.

15. 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.

16. 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.

17. 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.

18. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.

19. 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.

  
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20. 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.

21. 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.

22. 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.

23. Impact on local transport infrastructure due to the Project should be indicated.

24. 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.

25. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.

26. 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.

27. 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.

28. Taller/one year old Saplings raised in appropriate size of bags, preferably ecofriendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner

29. 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.

30. 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.

31. 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.

32. 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.

33. 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.


34. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

35. 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.

36. 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.

37. 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.

38. 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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**Standard Environmental Clearance Conditions prescribed by MoEF&CC for 8(a) –  
Building and 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 nonforest 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 drawl 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 system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM10 and PM25) covering upwind and downwind directions during the construction period.
  4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
  5. Sand, murrum, loose soil, cement, stored on site shall 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 shall be adequately sprinkled with water to suppress dust.

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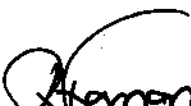
8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
9. The diesel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

### 3. Water Quality Monitoring and Preservation:

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

  
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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 six monthly Monitoring reports.
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 made to mitigate the odor problem from STP.

  
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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 as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
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. 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.

4. 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.
5. 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.
6. 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.

  
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6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7. Use of environment 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 environment 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 so as to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

**7. Green Cover:**

1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting

of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.

4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

#### 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 for bringing 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 project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for 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 six-monthly report.


3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head -of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Half Yearly Compliance Report (HYCR).

#### 11. Miscellaneous:

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in Tamil language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to 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 six-monthly reports 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 Regional Office as well as the Ministry, 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, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
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 Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Ministry 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 this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full

  
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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.

15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

  
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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 tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புள்ளை
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, Manjaillavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி
18	<i>Creteva adansoni</i>	Mavalingum	மாவிளங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காலை
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகை
23	<i>Ficus amplissima</i>	Kalltchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்பூவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயில் மரம், ஆயிலி
27	<i>Lannea coromandelica</i>	Odhiam	ஓதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்லா மரம்
31	<i>Litsea glutinos</i>	Pisimpattai	பிசிம்பட்டை
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	நச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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40	<i>Premna mollissima</i>	Munnai	முள்ளை
41	<i>Premna serratifolia</i>	Narumunnai	நறு முள்ளை
42	<i>Premna tomentosa</i>	Malaiipoovarasu	மலை பூங்க
43	<i>Prosopis cinerea</i>	Vanni maram	வன்னி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வேண்டாங்க
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjiva roxburghii</i>	Karipala	கரிபலா
48	<i>Salvadora persica</i>	Ugaa Maram	உகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிபுங்கன் சோபுகாய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Strobilus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தாள் கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாண்டி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேன் மருது
57	<i>Toona ciliate</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூங்க
59	<i>Walsuratrifoliata</i>	valsura	வால்குரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கோடுக்காபுளி

  
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Appendix –III

Display Board

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

-----சுரங்கம்

சுரங்கங்களில் சூவாசி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கிழக்கை இயந்தனங்களுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA, தேதியிடப்பட்டு, சுற்றுச்சூழல் அனுமதி தேதி வரை செயல்படுத்ததாக உள்ளது.

பகலம் பகுதி வளர்ச்சி மேம்பாட்டுக்கான அடிக்கடி திட்டம்	சூவாசியின் எல்லைணயச் சுற்றி வேலி அமைக்க வேண்டும் சுரங்கப்பகுதியின் ஆழம் தளமாட்டத்திலிருந்து... மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். சுற்றுநிலை மாசு ஏற்படாதவாறு அடிக்கடி பாசிகளை மேற்கொள்ள வேண்டும்.
நடப்பட்டுள்ள பராமரிக்கப்பட்ட வேண்டிய மரங்கள் எண்ணிக்கை:	வாகனங்கள் செல்லும் பாதையில் மாசு ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் வாய்க்காலின் மூலமாக அளவளவு செய்து தேவிக் வேண்டும். இடைக்கால அமைவுகள் தூசி மாசுபட்டிடப்படும் சூவாசியின் எல்லைணயச் சுற்றி அடர்த்தியான பகலம் பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலத்திலிருந்து ஏற்படாதவாறும் மற்றும் சுதன் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உண்டிப்பாக செயல்படுத்தப்பட வேண்டும்.	
சுரங்கத்தில் இடத்து ஏற்படும் இடைக்கால அமைவு (ISA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	
சுரங்க சட்ட விதிகள் 1986ன் கீழ் சுரங்கத்தில் உள்ள பாசியங்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு கவனமுடன் கட்டுப்பாடு வாய்க்காலை செய்து தர வேண்டும்.	
சுரங்கம் அல்லது பந்தாபத்து வாய்க்கால வாகனங்கள் செல்லும் சாலைகளை தொடர்ந்து தனது பராமரிக்க வேண்டும்.	
சுரங்கப்பாசிகளால் அடையில் உள்ள விவசாய பாசிகள் மற்றும் தீர்ந்தவைகளை பாதிக்கப்படக் கூடாது.	
தீர்ந்தவைகளை பாதிக்கப்படாமல் இருப்பதை உறுதி செய்தும் வாய்க்காலில் நிலத்தடி நீர் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கிடைக்கக்கூடிய எடுத்துச் செல்லு விராம மக்களுக்கு அந்தத் சிமத்திணைமல் ஏற்படுத்தாதவாறு பாதுகாப்புகளும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
சுரங்கப்பாசிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளை இடையூறு ஏற்படக்கூடிய வேறு சுற்றுப் பகுதியையும் மறுகட்டுமானம் செய்து தரவாய்க்க விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பாதுகாப்புகளை உருவாக்க வேண்டும்.	
(முழுமையான இயந்தனங்களை அறிய பாசியோடு ( <a href="http://parisesh.nc.in">http://parisesh.nc.in</a> ) ஈன்கிற இணையதளத்தைப் பார்க்கவும் மேலும் சுத்தவிற சுற்றுச்சூழல் சந்திர பகலங்களுக்கு சென்னைவில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டிய அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாசு கட்டுப்பாடு வாரியத்தின் மாசுட்ட சுற்றுச்சூழல் பொறுப்பாளர் அலுவலகம்.	

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