

State Expert Appraisal Committee (SEAC)

Minutes of 440th meeting of the State Expert Appraisal Committee (SEAC) held on 11.01.2024 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building and Construction projects and Mining projects.

Confirmation of Earlier Minutes

The minutes of the 439th SEAC meeting held on 10.01.2024 were circulated to the Members in advance and as there are no remarks, the Committee decided to confirm the minute.

Agenda No: 440 - 01

(File No:10498/2023)

Proposed Rough Stone & Gravel quarry lease over an extent of 3.48.00 Ha (Patta Land) at S.F.Nos.70/2 of Melamarudur Village, Ottapidaram Taluk, Thoothukudi District, Tamil Nadu by Thiru. S. Ponmurugan - For Environmental Clearance. (SIA/TN/MIN/450025/2023, Dated: 25/10/2023)

The proposal was placed in 440th meeting of SEAC held on 11.01.2024. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. S. Ponmurugan has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 3.48.00Ha at S.F.Nos.70/2 of Melamarudur Village, Ottapidaram Taluk, Thoothukudi 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	10498/2023	Category	B2
	SIA/TN/MIN/450025/2023, Dated: 25/10/2023		
Sl. No	Salient Features of the Proposal		


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1.	Name of the Owner/Firm	:	Thiru. S. Ponmurugan S/o. Shanmugavel, D.No.2/51, Therku Theru, Pudur Pandiyapuram, Ottapidaram Taluk, Thoothukudi District - 628002.	
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	:	70/2	
4.	Village in which situated	:	Melamarudur	
5.	Taluk in which situated	:	Ottapidaram	
6.	District in which situated	:	Thoothukudi	
7.	Extent of quarry (in ha.)	:	3.48.00Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	8°55'28.40"N to 8°55'35.00"N 78°07'42.60"E to 78°07'50.40"E	
9.	Topo Sheet No.	:	58 L/1	
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	
		:	Rough stone	Gravel
	Geological Resources m ³	:	1415600m ³	212340m ³
	Minable Resources m ³	:	608620m ³	152466m ³
	Annual Peak Production in m ³	:	123150m ³	72558m ³
	Maximum Depth in meters	:	46m BGL	
13.	Depth of water table	:	65m BGL	
14.	Man Power requirement per day:	:	18 Employees	
15.	Water requirement:	:	8.0 KLD	
	1. Drinking water & Utilized water	:	1.5KLD	
	2. Dust suppression	:	5.0KLD	
	3. Green belt	:	1.5KLD	
16.	Power requirement	:	TNEB	


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17.	Precise area communication approved by the Assistant Geologist / Assistant Director(i/c), Department of G&M, Thoothukudi District	:	Na.ka.No.G.M.1/256/2022, Dated:19.07.2023.		
18.	Mining Plan approved by Assistant Geologist / Assistant Director(i/c), Department of G&M, Thoothukudi District.	:	Roc.No.G.M.1/256/2022.Dated:11.08.20 23		
19.	500m Cluster Letter approved by the Assistant Geologist / Assistant Director(i/c), Department of G&M, Thoothukudi District	:	Roc.No.G.M.1/256/2022,Dated:11.08.20 23.		
20.	Existing pit letter by Assistant Geologist / Assistant Director(i/c), Department of G&M, Thoothukudi District	:	Roc.No.G.M.1/256/2022,Dated:17.10.20 23.		
21.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated:Nil		
22.	Project Cost (excluding EMP cost)	:	Rs. 211.31 Lakhs		
23.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough stone	Gravel
			Max Total in m ³	608620m ³	152466m ³
			Annual Max in m ³	123150m ³	72558m ³
23.		:	Max Depth in mtrs	46m BGL	
24.	EMP cost (in Rs. Lakh).	:	Capital Cost - Rs.25.33 Lakhs Recurring Cost/Annum - Rs.27.17 Lakhs With inflation of 5% every year till the life of mine.		
25.	CER cost (in Rs. Lakh).	:	Rs.5.0 Lakhs		

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 shall not exceed 123150m³ of Rough stone & 72558m³ of Gravel for the ultimate depth of mining up to 46m BGL and subject to


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the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
3. The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
4. The PP shall carryout mining operation without any hindrance to the operation of nearby HT line and shall obtain NOC from competent authority before commencing mining operation in regard to HT line.
5. The PP shall carry out the scientific studies **within a period of one year** from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the quarry, by involving anyone of these reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.


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6. The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation and green belt development, in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
7. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 4th year or when the depth exceeds 30m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
8. The PP shall ensure that the haul road dust is constructed with bitumen to minimize dust generation but however the suppression/watering are being done to maintain the required moisture level in all active haul roads. A fleet of water trucks with adequate water spray systems are available and operational at all times.
9. As accepted by the Project Proponent, the CER cost of Rs.5 Lakhs shall be spent for the activities as committed towards Government Primary School, Melmaruthur Village before obtaining CTO from TNPCB.

Agenda No: 440-02

File No: 10589/2023

Proposed expansion of residential buildings at R.K. Mutt Road, Venkatakrisnan Road, Andimanyam Thottam, Mylapore, Chennai bearing R.S. No. 4123/1(pt) of Block 89, Mylapore Village, Chennai District, Tamil Nadu by Tamil Nadu Urban Habitat Development Board - For Environmental Clearance. (SIA/TN/INFRA2/453679/2023, dt: 10.01.2024)


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

1. Earlier, TNUHDB had obtained EC from SEIAA-TN for the project vide Letter no. SEIAA-TN/F.No.7915/EC/8(a)/809/2021 dated 10.03.2022 with EC Identification No.-EC22B038TN118194for736 dwelling units (Existing-60DU's & proposed-676DU's) with built-up area of 29,462.94m² (Existing-2,203.58m² & proposed-27,259.36m²). Although EC obtained, construction not initiated at site.
2. The environmental clearance is sought for "Proposed expansion of residential buildings at R.K. Mutt Road, Venkatakrishnan Road, Andimanyam Thottam, Mylapore, Chennai bearing R.S. No. 4123/1(pt) of Block 89, Mylapore Village, Chennai District, Tamil Nadu by Tamil Nadu Urban Habitat Development Board."
3. M/s. ABC Techno Labs India Private Limited is the EIA Consultant for the project.
4. Total plot area of the project is 11,553.55 sq.m and built-up area is 29,584.37 sq. m respectively.
5. Maximum number of floors will be S+13 and maximum height of the building will be 40.15 m.
6. Total Saleable DU's (dwelling units) is 762 units.

Based on the presentation and documents furnished by the project proponent, SEAC decided defer and directed the proponent to furnish comparative statement for the existing and expansion activity along with the changes in the proposal in the prescribed format.

Agenda No: 440 – 03.

(File No. 3781/2022)

Existing muti colour granite quarry located at S.F No.356/1A1, 356/1A2, 356/1B2, 356/3A1, 356/3A2, 357/1A1, 357/4A1, 357/4A2, & 357/5A in Chendarapalli Village, Krishnagiri Taluk, Krishnagiri District by M/s. Bannari Amman Sugars Limited, Granite


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**Quarrying Division for Extension of validity for the Environmental Clearance.
(SIA/TN/MIN/214905/2021, dt:11.06.2021)**

Earlier, the proposal was placed in this 313th Meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, Tvl. Bannari Amman Sugars Limited as applied for Extension of validity for the Environmental Clearance for the proposed **multi colour** granite quarry located at S.F No.356/1A1, 356/1A2, 356/1B2, 356/3A1, 356/3A2, 357/1A1, 357/4A1, 357/4A2, 357/5A in Chendarapalli Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification,2006.
3. EC issued vide SEIAA. Lr. No. SEIAA-TN F.No.3781/EC/1(a)/2824/2015, dt: 08.02.2016 for production of 5868 m³ of Multi colour granite & depth up to 20.5m (20m Multi colour granite & 0.5 m Topsoil).
4. EC Amendment issued vide SEIAA. Lr. No. SEIAA-TN/F.No.3781/EC/1(a)/2824/Amend/2015 dated 09.09.2020 for production of 58675m³ of ROM including 5868 m³ of Multi colour granite (recovery 10%) & 52807 m³ of Multi colour granite waste (reject 90%) for depth up to 20.5m.
5. The mining lease period for our above quarry is 20 years i.e. from 18.11.2002 to 17.11.2022. The mining plan read with approved mining scheme by the competent authority is also valid till 17.11.2022.
6. Here the PP has cited the reasons of transporting about 400 m³ of Granite blocks which have been already mined out from the mine lease area for extension request made to the SEAC for the existing EC.
7. Hence, the PP vide Lr. BASL/GQD/192/2022 Dt: 04.08.2022 has requested the Principal Secretary to Government, Industrial Department, Secretariat, Chennai – 600009 to extend the **validity of the mining lease for further one year (i.e., till 16.11.2023)** due to losses incurred during Covid-19 Pandemic as per Director of


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Mines safety circular No: DGMS/General Circular/o1 Dhanbad Dt: 30.03.2020.

8. However, as per MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021 which states that *"the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid."*

In view of the above, SEAC after detailed discussion confirmed that the validity of the EC issued earlier (in 2016) is (deemed to be) extended up to another one year (i.e., up to 08.02.2023).


Subsequently, the proposal was placed in 676th Authority meeting held on 28.11. 2023. After detailed discussions, the Authority noted as follows:

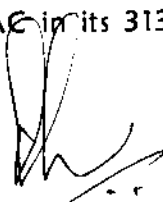
1. Earlier, the proposal was placed in the 313th Meeting of SEAC held on 22.09.2022. SEAC after detailed discussion confirmed that the validity of the EC issued earlier (in 2016) is (deemed to be) extended up to another one year (i.e., up to 08.02.2023).
2. Subsequently, the proposal was placed in the 558th Authority meeting held on 10.10.2022. After detailed discussions, the Authority decided to seek following additional particulars so as to consider the issue of extension of validity of EC Lr. No. SEIAA-TN/F.No.3781/ EC/1(a)/2824/2015 dated 08.02.2016.

- (i) The project proponent shall furnish copy of valid mining lease obtained from the competent authority for the period of one more year.

Now, the proponent vide letter dated 10.11.2023 has furnished the valid mining lease obtained from the competent authority for the period of 5 years.

In view of the above, the Authority decided to refer back the proposal to SEAC for remarks / recommendations on the proposal for extension of validity of earlier issued EC as the validity date (08.02.2023) recommended by SEAC in its 313th meeting has been expired.


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Now the proposal was again placed in 440th SEAC meeting held on 11.01.2024 and the committee noted that the PP has submitted precise area communication vide Lr. No. 3954669/MME.2/2023-1 Dt:02.06.2023 & approved scheme of mining plan vide Rc.No.8502/MM4/2022, Dated 03.11.2023 for period of 5Years with annual peak production of 12210 m³ of ROM including 5495 m³ of grey granite (recovery 45%) & 6715 m³ of granite waste (reject 55%) for depth up to 23m.

However, the proponent requested to issue to **extension of validity for the Environmental Clearance issued vide Lr. No. SEIAA-TN F.No.3781/EC/1(a)/2824/2015, dt: 08.02.2016** till the expiry of the lease period as granted by the competent authority and for production quantity of 58675m³ of ROM for depth up to 20.5m. In view of the above, SEAC decided to recommend grant of **extension of validity for the Environmental Clearance issued vide Lr. No. SEIAA-TN F.No.3781/EC/1(a)/2824/2015, dt: 08.02.2016** till the expiry of the lease period and for production quantity of 58675m³ of ROM for depth up to 20.5m.

Agenda No: 440 - 04

(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)

Earlier, the proposal was placed in the 391st 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 m³ & Depth - 17m.
2. Precise area communication Lr.No.9557/MME-2/09-1, Dt:31.07.2009.


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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. 3rd 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 these circumstances SEAC, without examining the proposal, decided to request SEIAA to consider the request for withdrawal of this proposal as and when received. Subsequently, the proposal was placed in 641st authority meeting held on 27.07.2023 & 28.07.2023. The authority noted the remarks of SEAC391st SEAC Meeting held on 13.07.2023 and the authority noted that the PP has not given withdraw request vide online (Parivesh Portal) and the authority decided to call for justification for the withdrawal request committed before SEAC.

In this connection, the PP has furnished reply Dt: 27.11.2023 and the proposal was again placed in the 684th Authority meeting held on 27.12.2023. The Authority noted that the proponent has made request for withdraw vide online for proposal no.


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SIA/TN/MIN/429268/2023 Dt: 18.05.2023. In view of the above, the Authority after detailed discussion decided to refer back this proposal for specific recommendation of SEAC on the PP request for withdraw.

Now the proposal was again placed in 440th SEAC meeting held on 11.01.2024 and based on the presentation and documents furnished by the project proponent, SEAC noted that the PP has also submitted fresh proposal under B2 category vide online proposal no. SIA/TN/MIN/436296/2023 Dt: 11.07.2023 (File No. 10226/2023).

In view of the above, SEAC recommends to approve the Project Proponents request for withdrawal of this online proposal no. SIA/TN/MIN/429268/2023 Dt: 18.05.2023 and the PP is directed to file fresh application under B2 category for reappraisal as committed before the SEAC.

Agenda No. 440 -05.

File No. 10149/2023.

Proposed Rough stone Quarry lease over an extent of 3.61.0Ha S.F.Nos.1196/1A, 1196/1B (Part) & 1197/12A (Part), Punnam Village, Pugalur Taluk, Karur District by M/s. V.S.T Blue Metals- For Terms of Reference. (SIA/TN/MIN/431189/2023, dt: 27/05/2023)

Earlier, the proposal was placed in this 394th meeting of SEAC held on 21.07.2023. 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 Environmental Clearance from DEIAA vide Lr. No. DEIAA-DIA/TN/MIN/8364/2017/-KRREC.No.79/2017/Mines. Dt: 14.10.2017 valid upto 5Years from the date of execution of lease deed for the proposed Rough stone Quarry lease over an extent of 4.13.5Ha S.F.Nos.1196/1A, 1196/1B (Part) & 1197/12A (Part), Punnam Village, Pugalur Taluk, Karur District, Tamil Nadu for the production of Rough Stone - 409229 cu.m & depth upto 43m.
2. This EC issued by the DEIAA has been filed before the SEIAA-TN for reappraisal in compliance to the order of the Hon'ble NGT in O.A142 of 2022 as per the


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Guidelines stipulated in MoEF &CC OM F.No. IA3-22/11/2023-IA.III (E-208230), dated. 28.04.2023.

3. Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC vide Lr. EP/12.1/2022-23/SEIAA/143/TN/1151 Dt:31.10.2022.
4. MoEF&CC OM Dt:03.11.2024.
5. Now, the project proponent, M/s.V.S.T Blue Metals has applied for Terms of Reference for the proposed Rough stone Quarry lease over an extent of 3.61.0haHa S.F.Nos.1196/1A, 1196/1B (Part) & 1197/12A (Part), Punnam Village, Pugalur Taluk, Karur District, Tamil Nadu.
6. 500m Radius cluster from AD/Dept. of G&M Lr. Rc.No. 82/Mines/2023 Dt: 24.05.2023.
7. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
8. Lease period extension issued for the 18 months due to Covid-19 by the Commissioner, Dept. of Geology& Mining, Guindy Chennai Vide RC.No.1306/MM6/2023 Dt: 22.02.2023.
9. As per the precise area communication the lease period is for 5 years. The mining plan is for 5 Years. The production for 5 years shall not to exceed 409229m³ Rough Stone with Annual Peak Production Capacity of not exceeding 107756m³ and the ultimate depth of 43m BGL.

During the presentation, proponent stated his intention to withdraw the proposal. Hence, SEIAA may accept the request of withdrawal as and when received from the PP. Subsequently, the proposal was placed in **644th Authority meeting held on 07.08.2023**. The Authority noted that the PP has submitted Lr. Dt: 21.07.2023 regarding request for withdraw for the proposal seeking ToR for the reasons stated therein. In view of the above, the proponent has not submitted request for withdraw vide online as reported before SEAC and SEIAA after detailed discussion decided to call for additional particulars

- (ii) PP shall furnish justification for request for withdraw and action plan for non-compliance mentioned in the CCR dt: 31.10.2022.


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In this connection, the PP has furnished reply Dt: 27.11.2023 and the proposal was again placed in the 684th Authority meeting held on 27.12.2023. The authority noted that the proponent has made request for withdraw vide online for proposal no. SIA/TN/MIN/431189/2023 Dt:27.05.2023. In view of the above, the authority after detailed discussion decided to referback this proposal for specific recommendation of SEAC on the PP request for withdraw.

Now the proposal was again placed in 440th SEAC meeting held on 11.01.2024 and during meeting EIA coordinator presented the PP letter Dt Dt: 27.11.2023 requesting for withdraw for the proposal seeking ToR vide online proposal no. SIA/TN/MIN/431189/2023 Dt: 27.05.2023 stating the following that


"Due covid outbreak this quarry was not under operation for 18 months and Commissioner, Dept. of Geology & Mining, Guindy Chennai vide proc. Dt:22.02.2023 issued extension for lease validity up to 18 months (22.04.2024). If I get Terms of reference from the SEIAA for this 18 month. I would spend huge amount for environment monitoring, socio economic impact assessment, life cycle assessment, public hearing etc. Hence, I withdraw the proposal for the economic discrepancies."

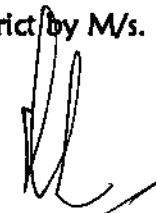
In view of the above letter of the proponent and the presentation of the EIA Coordinator, SEAC observed that the DEIAA EC issued expired as on 22.10.2023 and hence, SEAC recommends to approve the project proponents request for withdrawal of this online proposal no. SIA/TN/MIN/431189/2023 Dt: 27.05.2023. SEIAA shall address letter to DD, Dept. of Geology and Mining, Karur directed to ensure no further mining operation shall be carried out without valid EC, since validity of the DEIAA EC expired on 22.10.2023 including Covid extension period as per notification issued by the MoEF&CC Dt: 18.01.2022.

Agenda No: 440 – 06.

File No: 10155 /2023

Existing Rough Stone Quarry lease over an extent of 4.54.0Ha S.F.Nos.1093/A1 (Part) & 1093/A2(Part), Thennilai West Village, Aravakurichi Taluk, Karur District by M/s. Sri


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Ganesh murugan Blue Metal- For Terms of Reference. (SIA/TN/MIN/433495/2023, dt:20/06/2023)

Earlier, the proposal was placed in this 394th meeting of SEAC held on 21.07.2023. 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 Environmental Clearance from DEIAA vide Lr. No. DEIAA-DIA/TN/MIN/15444/2018-KRR/EC.No.108/2018/Mines, Dt: 14.06.2018 for the proposed Rough Stone Quarry lease over an extent of 4.54.0Ha S.F.Nos.1093/A1 (Part) & 1093/A2(Part), Thennilai West Village, Aravakurichi Taluk, Karur District for the production of Rough Stone - 269471 cu.m & depth up to 22m.
2. This EC issued by the DEIAA has been filed before the SEIAA-TN for reappraisal in compliance to the order of the Hon'ble NGT in O.A142 of 2022 as per the Guidelines stipulated in MoEF &CC OM F.No. IA3-22/11/2023-IA.III (E-208230), dated. 28.04.2023.
3. Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC vide Lr. EP/12.1/2022-23/SEIAA/221/TN/61 Dt:12.01.2023
4. MoEF&CC OM Dt:03.11.2023
5. Now, the project proponent, M/s. Sri Ganesh Murugan Blue Metal has applied for Terms of Reference for the existing Rough Stone Quarry lease over an extent of 4.54 Ha S.F.Nos.1093/A1 (Part) & 1093/A2(Part), Thennilai West Village, Aravakurichi Taluk, Karur District, Tamil Nadu.
6. 500m Radius cluster from AD/Dept. of G&M Lr. Rc.No. 99/Mines/2023 Dt: 24.05.2023.
7. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
8. Lease period extension issued for the 18 months due to Covid-19 by the Commissioner, Dept. of Geology & Mining, Guindy Chennai Vide RC.No.1778/MM6/2023 Dt: 25.03.2023.


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9. As per the precise area communication the lease period is for 5 Years. The mining plan is for 5 Years. The production for 5 years shall not to exceed 269471 m³ of Rough Stone & 31850 m³ of Gravel and the ultimate depth of 22m BGL.

Based on the presentation and details furnished by the project proponent, **SEAC decided to grant Terms of Reference (TOR) with Public Hearing** subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The proponent shall give an Affidavit before the issuance of ToR from SEIAA-TN stating that the mining operations will remain suspended till they obtain the EC granted by the SEIAA after the reappraisal process as per MoEF & CC OM F.No. IA3-22/11/2023-IA.III (E-208230), dated. 28.04.2023.
2. For the existing quarry, the PP shall obtain a letter from the concerned AD (Mines) which shall stipulate the following information:
 - i. Original pit dimension of the existing quarry
 - ii. Quantity achieved Vs EC Approved Quantity
 - iii. Balance Quantity as per Mineable Reserve calculated.
 - iv. Mined out Depth as on date Vs EC Permitted depth
 - v. Details of illegal/illicit mining carried out, if any
 - vi. Non-compliance/Violation in the quarry during the past working.
 - vii. Quantity of material mined out outside the mine lease area (or) in the adjacent quarry/land.
 - viii. Existing condition of Safety zone/benches
 - ix. Details of any penalties levied on the PP for any violation in the quarry operation
3. The PP shall furnish mitigation measures/action plan for the non-compliance stated in the Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC.
4. The PP/EIA Coordinator shall explain the mining technique and methodology with strategies to be adopted comprehensively to achieve the unquarried quantity of rough stone in a duration of just 18 months from a hard rock terrain.


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5. The Project Proponent shall furnish the revised EMP based on the study carried out on impact of the dust & other environmental impacts due to proposed quarrying operations of aforesaid excavation volume of unquarried quantity of Rough stone on the nearby agricultural lands / surrounding environment for remaining life of the mine in the format prescribed by the SEAC considering the cluster situation.
6. The PP shall carry out the scientific studies to assess the slope stability of the existing quarry wall and working benches to be constructed, 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 with slope stability action plan during the time of appraisal for obtaining the EC.

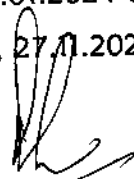
Subsequently, the proposal was placed in 644th Authority meeting held on 07.08.2023. The Authority noted that the PP has submitted lr. Dt: 21.07.2023 regarding request for withdraw for the proposal seeking ToR for the reasons stated therein. In this connection, the proponent has not submitted request for withdraw vide online and SEIAA after detailed discussion decided to call for additional particulars.

- (a) PP shall furnish justification for request for withdraw and action plan for non-compliance mentioned in the CCR dt:12.01.2023.

In this connection, the proponent has furnished justification Dt: 27.11.2023 for the request for withdraw made by PP and submitted request for withdraw vide online proposal no. SIA/TN/MIN/433495/2023 dt:20.06.2023 and the proposal was placed in the 684th Authority meeting held on 27.12.2023. In view of the above, the Authority after detailed discussion decided to refer back this proposal for specific recommendation of SEAC on the PP request for withdraw.

Now the proposal was again placed in 440th SEAC meeting held on 11.01.2024 and During meeting EIA coordinator presented the PP letter Dt: 21.07.2023, 27.11.2023&


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11.01.2024 requesting for withdraw for the proposal seeking ToR vide SIA/TN/MIN/433495/2023, dt:20/06/2023 stating the following that

"The Environment clearance is expired including the COVID extension. Now the proposal falls in the B1 category which exceeds 5 hectares undergoes public hearing and Draft final EIA report takes almost more than one year and at the time the lease period also expired. I may increase or decrease the lease area and submit the application as a fresh to obtain EC for 5 years. So, I request you to accept the withdrawal request and process."

In view of the above letter of the proponent and the presentation of the EIA Coordinator, SEAC observed that the DEIAA EC issued is valid up to 03.07.2024 and considering MoEF&CC O.M Dt:28.04.2023 & 03.11.2023, **SEAC decided not to consider the PP request for withdrawal of the proposal seeking ToR vide SIA/TN/MIN/433495/2023, dt:20/06/2023.**

Agenda No: 440-07

(File No: 6701/2023)

Construction of Residential Development at S.F.No. 78A/3, 78A/2A, 78A/2B, 78A/2C, 78A/2D, 78A/2E, 78A/2F, 78A/2G1, 78A/2G2, 78A/2H1, 78A/2H2, 78A/2I, 78A/2J, 78A/2K, 78A/2L, 78A/2M, 78A/2N, 78A/2O, 78A/4A, 78A/4B1, 78A/4B2, 78A/4C, 78A/4D, 78A/4E, 78A/4F, 79B/1F, 79B/1G, 79B/1H, 80/7, 80/8, 80/6B, 80/9B, 98, 99/1, 99/2, 100/1, 100/2 & 101/1 of Paranur Village, Chengalpet Taluk, Kancheepuram District, Tamil Nadu by M/s. Mahindra Integrated Township Limited –For Amendment in Environmental clearance. (SIA/TN/INFRA2/306627/2023 dated: 22.11.2023).

The proposal was placed in the 440th Meeting of SEAC held on 11.01.2024. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Environmental Clearance was earlier issued to the project proponent, M/s. Mahindra Integrated Township Limited for the construction of Residential Development at S.F.No. 78A/3, 78A/2A, 78A/2B, 78A/2C, 78A/2D, 78A/2E, 78A/2F, 78A/2G1, 78A/2G2, 78A/2H1, 78A/2H2, 78A/2I, 78A/2J, 78A/2K, 78A/2L, 78A/2M, 78A/2N, 78A/2O, 78A/4A, 78A/4B1, 78A/4B2, 78A/4C,


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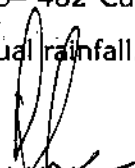
78A/4D, 78A/4E, 78A/4F, 79B/1F, 79B/1G, 79B/1H, 80/7, 80/8, 80/6B, 80/9B, 98, 99/1, 99/2, 100/1, 100/2 & 101/1 of Paranur Village, Chengalpet Taluk, Kancheepuram District, Tamil Nadu vide Letter No. SEIAA-TN/F.No. 6701/EC/8(a)/ 717/2020 dated:30.09.2020 for a land area of 17040 Sq.m and a built-up area of 45215 Sq.m.

2. The project consists of 2 Towers – A & B (Stilt + 12 floors each) and a Club house with Stilt + 1 floor.
3. Now, the proponent has submitted an application in Form – 4 vide Proposal No. SIA/TN/MIS/306627/2023, dated:22.11.2023 seeking the following amendments in the above-mentioned EC dated.30.09.2020.

S. No	EC Page No	Description	Existing EC	Amendment in the EC	Remarks
1.	Page No.2 of 24	Project Proponent	M/s. Mahindra Integrated Township Limited	M/s. Mahindra World City Developers Limited	-
2.	Page No.10 of 24	Rainwater collection sump	Rainwater Sump capacity – 482 Cu.m	Rainwater Sump capacity – 30 Cu.m.	Remaining rainwater will be sent through common trench to Kolavai Lake.
3.	Page No.4 of 24	Height of DG Stack	450 KVA Stack Height of 43.1m 600 KVA Stack height of 43.75m	450 KVA Stack Height of 7 m 600 KVA Stack height of 7m	DG set will be kept away from the building

Based on the presentation and details furnished by the project proponent, the Committee found that the above-mentioned capacity of Rainwater Sump– 482 Cu.m in the EC issued earlier refers to Daily Run-off considering 30 days of annual rainfall. It


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is practically not possible to harvest the entire quantity. Presently, the Proponent proposed to catch sum of 30 Cu.m. Based on the discussion; the Committee decided to increase the Rainwater Sump Capacity to 60 Cu.m. There is no change in building plan as such for which EC dated. 30.09.2020 was accorded.

In view of the above, the SEAC decided to recommend the amendments, as follows, in the existing EC dated. 30.09.2020 subject to the following conditions:

S. No	Description	Existing EC	Amendment in EC
1.	Project Proponent	M/s. Mahindra Integrated Township Limited	M/s. Mahindra World City Developers Limited
2.	Rainwater collection sump	Rainwater Sump capacity – 482 Cu.m	Rainwater Sump capacity – 60 Cu.m.
3.	Height of DG Stack	450 KVA Stack Height of 43.1m 600 KVA Stack height of 43.75m	450 KVA Stack Height of 7 m 600 KVA Stack height of 7m

- i) The Remaining rainwater shall be discharged through common trench to Kolavai Lake. The drain system should be maintained for ensuring unrestricted flow of water.
- ii) 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.
- iii) All other conditions and validity mentioned in the EC dated. 30.09.2020 shall remain unchanged and unaltered.

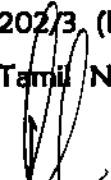
Agenda No: 440-08

(File No: 9088/2023)

Existing Gravel Quarry over an extent of 2.50.0 Ha at S.F.Nos. 202/3 (Part) of Jeyamkondanilai Village, Singampunari Taluk, Sivagangai District, Tamil Nadu by


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Thiru.D. Ragupandiyan-For Extension of Validity of Environmental Clearance. (SIA/TN/MIN/306482/2023, Dated:16.11.2023).

The proposal was placed in the 440th Meeting of SEAC held on 11.01.2024 The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

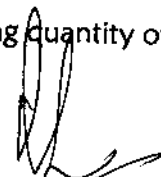
The SEAC noted of the following:

1. The Project Proponent, Thiru.D.Ragupandiyan has applied for Extension of Environmental Clearance for the Existing Gravel Quarry over an extent of 2.50.0 Ha at S.F.Nos. 202/3 (Part) of Jeyamkondanilai Village, Singampunari Taluk, Sivagangai 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. Initially, The proponent Thiru.D.Ragupandiyan, has obtained Environmental Clearance vide Lr.No.SEIAA-TN/F.No.9088/EC/1(a)/5303/2022 Dated: 20.09.2022 for the Gravel Quarry over an extent of 2.50.0 Ha at S.F.Nos. 202/3 (Part) of Jeyamkondanilai Village, Singampunari Taluk, Sivagangai District, Tamil Nadu State, for the production of 40530 cbm of Gravel for the period of 1 year from the date of execution of the mining lease and ultimate depth upto 2m BGL.
4. The quarry lease deed was executed on 18.11.2022 and the lease period is valid up to 17.11.2023.
5. The details of quantity of Gravel approved, quarried and balance quantity available as per the Letter obtained from the Deputy Director, (G&M) vide Rc.No.436/Mines/2021 dated:15.11.2023.

S. No.	Approved quantity of Gravel (cbm)	Quantity of Gravel quarried and removed (cbm)	Balance quantity of Gravel (cbm)
1.	40,530	20,750	19,780

6. Now, the project proponent has submitted online application in Form – 6 vide Proposal No. SIA/TN/MIN/306482/2023 dated:16.11.2023 for extension of validity of the Environmental Clearance, for quarrying the remaining quantity of 19,780 cbm of Gravel.


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Based on the presentation made by the proponent, SEAC decided to recommend the proposal for grant of Extension of the validity of EC for the remaining quantity 19,780 m³ of Gravel for ultimate depth of 2 m for a period of 1 year subject to the conditions stipulated in the EC vide Lr. No. SEIAA-TN/ F.No.9088/EC/1(a)/5303/2022 Dated: 20.09.2022 remains unchanged and unaltered.

Agenda No: 440-09

(File No: 7688/2020)

Proposed Rough Stone Quarry lease over an extent of 5.00.0 Ha at S.F. Nos: 329(Part-4) of Halekottah Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by Thiru.P. Subramani for Environmental Clearance. (SIA/TN/MIN/54924/2020 Dated: 21.07.2020).

The proposal was earlier placed in the 396th meeting of SEAC held on 28.07.2023. 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. Subramani has applied for Environmental Clearance for the Proposed Rough Stone Quarry lease over an extent of 5.00.0 Ha at S.F. Nos: 329(Part-4) of Halekottah Village, Hosur Taluk, Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Thiru. P. Subramani, has already obtained quarry lease for a period of Ten Years Vide Proceeding No. Proc.No.126/2008(Mines-2) dated 26.03.2008. The lease deed was executed on 22.05.2008. (The lease period of **Ten Years is from 22.05.2008 to 21.05.2018**).
4. The District Forest Officer, Hosur forest Division in his D.O. Letter No.8446/09/L dated 30.01.2009 addressed to the District Collector Krishnagiri had stated that the S.F.No.329, in which the quarry lease had been granted to Thiru. P. Subramani had been proposed for Section 4 Notification under Tamil Nadu Forest Act 1882 and issue of **transport permits were stopped** as per the request.


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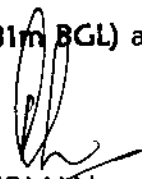

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Thiru. P. Subramani had been directed to stop the quarrying activity in the said area.

5. Subsequently, the District Forest Officer, Hosur after verification had Stated that the S.F.No.329 of Halekottah Village of Hosur Taluk had been classified as **unassessed waste in Revenue records** and further he had stated that the Forest Department has no objection for carrying out rough stone quarrying activity in S.F.No.329.
6. Hence the lessee Thiru. P. Subramani had been allowed to continue the quarrying activity in the said area and **dispatch slip had been issued to him from 28.02.2013 up to the lease period.**
7. The Hon'ble High Court Madras vide the order dated 11.03.2019 in W.M.P.No.40403 & 40404/2018 in W.P No.34852/2018 had allowed the writ petition with a direction to the respondents to extend lease for the non-operative period of four years.
8. District Collector, Krishnagiri in the precise area letter no. Roc.126/2018/Mines dated 29.07.2019 extended the lease period for a further period of **Four Years from the date of issue of transport permit.**
9. As per the mining plan the lease period is 4 Years from the date of issue of transport permit. The mining plan is for the period of four years (01.08.2019 to 31.07.2023) & production should not exceed 499018m³ of Rough stone. The ultimate depth is 71m (36m AGL & 35m BGL).
10. ToR issued by SEIAA-TN vide Lr No. SEIAA-TN/F.No.7688/SEAC/ToR-772/2020 Dated:06.10.2020.
11. Minutes of Public Hearing Conducted on 10.08.2021.
12. EIA Report Submitted on 27.10.2021.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the **annual peak production capacity of not exceeding 1,88,928 m³ of ROM which includes 1,79,483 m³ of Rough stone @95% recovery and 9445 m³ of mine waste by maintaining the ultimate depth of mining upto 67 m (36m AGL + 31m BGL) and**


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subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the specific conditions stated therein.

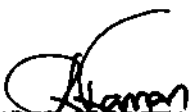
Subsequently, the subject was placed in 647th meeting of Authority held on 21.08.2023.

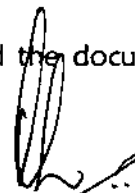
The Authority noted the following

1. Earlier, The PP has obtained quarry lease for a period of Ten Years from 22.05.2008 to 21.05.2018. Due to forest objection, the issue of transport permits was stopped and PP had been directed to stop the quarrying activity in the proposed area.
2. Subsequently, the District Forest Officer, Hosur after verification had Stated that the S.F.No.329 of Halekottah Village of Hosur Taluk had been classified as unassessed waste in Revenue records and further he had stated that the Forest Department has no objection for carrying out rough stone quarrying activity in S.F.No.329.
3. Hence the lessee Thiru. P. Subramani had been allowed to continue the quarrying activity in the said area and dispatch slip had been issued to him from 28.02.2013 up to the lease period.
4. The Hon'ble High Court Madras vide the order dated 11.03.2019 in W.M.P.No.40403 & 40404/2018 in W.P No.34852/2018 had allowed the writ petition with a direction to the respondents to extend lease for the non-operative period of four years (2009 to 2013).
5. Subsequently, District Collector, Krishnagiri in the precise area letter no. Roc.126/2018/Mines dated 29.07.2019 extended the lease period for a further period of Four Years from the date of issue of transport permit.
6. The mining plan is for the period of four years (01.08.2019 to 31.07.2023) & production is 499018m³ of Rough stone. The ultimate depth is 71m (36m AGL & 35m BGL).

After detailed discussions, the Authority decided to obtain the following details from the Proponent for further course of action.

1. From the kml uploaded by the PP in the parivesh portal and the documents


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furnished by the PP, it is construed that the proposed site has been quarried after 2016. Hence, the PP shall submit a letter from AD mines reporting the current environmental conditions of the project site and details/status/work carried out during earlier lease period.

2. The proponent shall submit the Year wise bulk transport permit (as per appendix XII – TNMMCR, 1959) issued by the competent authority and last permit details.
3. The proponent shall furnish the Copy of Environmental Clearance and CTO obtained for the earlier lease period if any.
4. The PP shall furnish a letter from AD/DD mines stating that the project will not fall under violation category.
5. The PP shall furnish the details of W.P No.34852/2018.
6. The mining plan is for the period of four years (01.08.2019 to 31.07.2023) got expired. Hence, the PP shall submit a Copy of approved review of scheme of mining plan by the competent authority of the Dept of Geology and Mining.
7. As per the mining plan, the quarry was not operated for the period from 06.05.2009 to 08.05.2013 and lease was granted for a non-operative period of Four Years from the date of issue of transport permit. What is the quantity to be quarried in the non-operative period. Is the quantity to be quarried in the non-operative period same as the quantity to be quarried in the proposed further period of Four Years.
8. The PP shall furnish VAO certificate with reference to 300m radius regard to approved habitations, schools, Archaeological structures etc.,

Based on the Proponent's reply vide letter dated:08.12.2023, the subject was again placed before the 680th Authority meeting held on 18.12.2023. Further the Authority noted the following from the letter obtained from the DD (G&M) vide Ir. dated:20.11.2023.

"...During violative period i.e 15.01.2016 to 10.01.2017 the project proponent had transported 45000 cbm of rough stone from the subject project without obtained EC, hence it falls under violative category and for the same, deemed notice was issued to the tune of Rs.1462500/- vide District Collector


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letter Rc.No.1042-1/2018/Mines and so far the ex-lessee has not remitted the penalty amount.”

After detailed discussion, the Authority decided to request the Member Secretary SEIAA-TN to refer back the proposal to SEAC-TN to obtain remarks on the reply submitted by the PP for the above queries.

Hence, the proposal was again placed in the 440th Meeting of SEAC held on 11.01.2024. SEAC carefully examined the documents made available and the presentation made by the PP during the meeting. SEAC noted the following.

- i. As per the letter obtained from the DD (G&M) vide Ir. dated:20.11.2023, the project proponent had transported 45000 cbm of rough stone from the subject project during the Violation period i.e 15.01.2016 to 10.01.2017 without obtained EC, and for the same, Demand Notice was issued to the tune of Rs.1462500/- vide District Collector letter Rc.No.1042-1/2018/Mines.
- ii. Hence it falls under violative category.
- iii. The Proponent has applied outside to the window period.
- iv. However, the Hon'ble Supreme Court in W.P.(C) No.1394/2023 titled Vanashakti vs. Union of India, has stayed the operation of both the Office Memoranda dated:7th July 2021 and dated 28th January 2022 issued by this Ministry.
- v. The PP has already submitted the EIA report based on ToR issued by SEIAA-TN vide Lr No. SEIAA-TN/F.No.7688/SEAC/ToR-772/2020 Dated:06.10.2020.

SEAC, in the light of the above facts decided to recommend the following course of action.

- i. The PP shall furnish a supplementary EIA Report updating the data wherever required.
- ii. In addition, The PP shall revise Chapter 13 in the EIA report dealing with Environmental Compensation for the Violation Projects as per the CPCB guidelines.
- iii. SEIAA may write a letter to Government to initiate credible action under Section 19 of Environmental Protection Act, 1986.


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

Agenda No: 440-10

(File No: 10009/2023)


Proposed Expansion of Premium Residential Complex "Jain's ADVAIT" at S.F.Nos. 168/3pt & 4pt, 169/1pt, 2A, 2B & 2Cpt, 170/1, 2A & 2B, 172/20pt, 21pt, 29, 42pt, 43pt, 44pt, 48pt, 49pt, 50pt & 51pt, 171/2 & 171/3 of Pammal Village, Tambaram Taluk, Kancheepuram District, Tamil Nadu by M/s. Jain Housing & Constructions Ltd.- For Environmental Clearance. (SIA/TN/INFRA2/426456/2023, dated:18/04/2023).

The proposal was earlier placed in the 394th SEAC meeting held on 21.07.2023. 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. Jain Housing & Constructions Ltd has applied for Environmental Clearance for the Proposed Expansion proposal of Premium residential complex "Jain's ADVAIT " at S.F.No. 168/3pt & 4pt, 169/1pt, 2A, 2B & 2Cpt, 170/1, 2A & 2B, 172/20pt, 21pt, 29, 42pt, 43pt, 44pt, 48pt, 49pt, 50pt & 51pt, 171/2 & 171/3 of Pammal Village, Tambaram Taluk, Kancheepuram 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, Environmental Clearance was issued to the proponent vide SEIAA Lr.No. SEIAA-TN/E.No.13/EC/8(a)/179/2007 dated: 20.06.2013 for the proposed Residential Building "Jain Housing" at S.F.Nos. 168/3pt & 4pt, 169/1pt, 2A, 2B & 2Cpt, 170/1, 2A & 2B, 172/20pt, 21pt, 28pt, 29, 42pt, 43pt, 44pt, 48pt, 49pt, 50pt & 51pt, 52pt of Pammal Village , Tambaram Taluk, Kancheepuram District, Tamil Nadu for the Construction of Block (1-14) -S+4 floors, Block (15&16) G+1 floors with total Plot area is 28084.97 Sq.m and the Built up area is 66281.44 Sq.m.
4. CCR obtained from MoEF&CC vide F. No. EP/12.1/2020-21/SEIAA/15/TN/107


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dated:10.02.2021.

5. Now, the PP had applied for the Proposed Expansion proposal of Premium residential complex "Jains Advait" at S.F.No. 168/3pt & 4pt, 169/1pt, 2A, 2B & 2Cpt, 170/1, 2A & 2B, 172/20pt, 21pt, 29, 42pt, 43pt, 44pt, 48pt, 49pt, 50pt & 51pt, 171/2 & 171/3 of Pammal Village, Tambaram Taluk, Kancheepuram District, Tamil Nadu with total Plot area is 35,284.97 Sq.m and the Built up area is 1,39,993.60 Sq.m. Total Number of Dwelling Units increased from 492 units to 1288 units.
6. Earlier, this proposal was placed in the 390th Meeting of SEAC held on 07.07.2023. During the meeting the PP has requested for additional time to produce documents as sought by the Committee. Hence, the SEAC decided to take up this proposal in any one of the forthcoming SEAC meeting.

The Committee discussed the matter and recommended grant of environmental clearance for the proposed expansion activity subject to as per the Annexure II of the minutes and all the conditions stipulated in the EC issued vide Lr. No. Letter No. SEIAA-TN/F.No.13/EC/8(a)/179/2007 dated: 20.06.2013 in addition to conditions stated therein.

Subsequently, the subject was placed in the 644th Authority meeting held on 07.08.2023. After detailed discussions, the Authority decided to obtain the following details from the PP.

1. The Proponent shall furnish the details regarding the completion status of the building, occupation status and mode of waste water disposal of the Existing building in the proposed site with documentary evidences.
2. The PP shall furnish the details of waste water disposal during this proposed construction phase.
3. The Proponent shall furnish detailed land area breakup for the additional survey numbers, 171/2 & 171/3 proposed for this expansion.
4. The Proponent shall furnish detailed land area breakup indicating OSR area in Sq.m and also in percentage of total land area (Plot area-35,284.97 Sq.m). The


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project proponent shall provide entry and exit points for the OSR area, as per the norms for the public usage and as committed.

5. The PP shall spell out the action envisaged on the technical opinion of PWD regarding inundation point of view.
6. The PP shall obtain necessary approvals from the authorities concerned to construct a proper drainage system to convey excess storm water from the proposed project site to the nearest waterbody.
7. The PP shall furnish NOC of Airport authority for Height Clearance.
8. The PP shall furnish the fire Noc.
9. The PP shall furnish detailed Traffic analysis report.
10. The PP shall withdraw the below remaining applications filed for obtaining EC with proper justification.

S. No	Online Application No
2.	SIA/TN/INFRA2/231590/2022 dated:25.03.2022
3.	SIA/TN/INFRA2/75337/2018 dated:08.06.2018
4.	SIA/TN/INFRA2/212674/2021 dated:02.06.2021

11. The PP shall study the impacts on the Quarry Lake and Periya Eri Lake around the project site.
12. The PP shall study the impacts on Pulikkuradu reserve forest.
13. The PP shall furnish Disaster Management Plan and Evacuation plan.
14. The proponent shall furnish details on the NBC (National Building Code of India) norms adopted, with respect to the following to ensure environmental hygiene and safety standards:
 - a) Kitchen
 - b) Bathrooms
 - c) Basements
 - d) Garages
 - e) Stairways

- f) open ways
 - g) fire safety & safety against fire escape routes
 - h) electric lines
 - i) roof top safety
 - j) car parking
 - k) visibility in exit areas
15. The proponent shall furnish details on the no. of fire alarms provided and the automatic fire detection standards followed.
16. The proponent shall furnish details on the actions taken to reduce anthropogenic GHGs such as CO₂, CH₄, nitrous oxide, etc., resulting from human activities.
17. The proponent shall furnish details on the strategies adopted to decarbonize the building.
18. The proponent shall furnish measures taken to mitigate the impact on critically endangered species, biodiversity, etc, due to the modification of the habitat.
19. The proponent shall develop emergency response plan in addition to the disaster management plan.
20. The proponent shall furnish details on building-friendly pest control strategies developed using non chemical measures so as to control the pest population thereby not losing beneficial organisms.
21. The proponent shall furnish the measures taken to prevent the spread of invasive species.
22. The proponent furnish detailed plan adopted to reduce carbon footprints and also strategies for climate proofing and climate mitigation.
23. The proponent shall furnish details on strategies developed to ensure the buildings in blocks don't trap heat and become local urban heat islands.
24. The proponent shall furnish details on the sustainability criteria adopted to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.
25. The proponent shall furnish details on the strategies developed to prevent bird hits.


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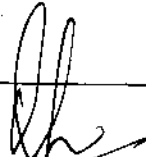
26. The proponent shall furnish details on the provisions made to ensure that the building does not create artificial wind tunnels creating cold water and uncomfortable living conditions resulting in health issues.
27. The proponent shall develop detailed evacuation plan for disabled people and safety evacuation plan during emergencies.
28. The proponent shall furnish details on the strategies adopted to maintain the health of the inhabitants in high rise buildings.
29. The proponent shall explain the methodology adopted to control thermal environment and other shocks in the building.
30. The proponent shall provide details on the provisions for controlled ventilation and lighting systems.

Based on the Proponent's reply vide letter dated:29.11.2023, the subject was again placed before the 677th Authority meeting held on 11.12.2023. After detailed discussion, the Authority decided to request the Member Secretary SEIAA-TN to refer back the proposal to SEAC-TN to obtain remarks on the reply for the above queries (especially on the 5th & 6th query) submitted by the PP.

Hence, the proposal was again placed in the 440th Meeting of SEAC held on 11.01.2024. SEAC carefully examined the documents made available and the presentation made by the PP during the meeting.

S. No	Query	Reply submitted by the PP
1.	The Proponent shall furnish the details regarding the completion status of the building occupation status and mode of waste water disposal of the existing building in the proposed site with	<p>i)Completion status of the building:</p> <p>In line with the earlier granted EC, Blocks 1 to 6 with S+4 Floors configuration was completed, Blocks 7 & 8 were started but stopped at stilt level.</p> <p>In our expansion proposal, The blocks 1 to 6 will be retained as such, in the expansion proposal, combined basement + Blocks 7 to 12 with combined first floor parking, and stilt to 10th Floors, Blocks 13 to 16 with stilt to 10th floors and a Clubhouse having Stilt+3rd floors will be constructed.</p>


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	documentary evidence.	<p>ii) Occupation status of the existing building: - Though Blocks 1-6 were constructed, the buildings are not occupied till date. Also, there is no construction being made at site.</p> <p>iii) Mode of wastewater disposal of the Existing building in the proposed site with documentary evidence - the building is not in operational and hence, there is no wastewater generation.</p>										
2.	The PP shall furnish the details of waste water disposal during the proposed construction phase.	<p>During the construction of Blocks 1 to 6 and up to stilt level in Block 7 & 8, the wastewater generated at site was collected and treated in mobile STP. The treated wastewater was used in internal road formation and dust mitigation purpose within the site itself.</p> <p>During the proposed expansion also, wastewater generation during construction phase will be treated in mobile STP and treated water will be used for internal road formation, dust mitigation and greenbelt development.</p>										
3.	The proponent shall furnish detailed land area breakup for the additional survey numbers, 171/2 & 171/3 proposed for this expansion.	<p>The detailed land area breakup for the additional survey numbers - 171/2 & 171/3 proposed for this expansion is given in table below.</p> <table border="1"> <thead> <tr> <th>Survey No.</th> <th>Area (m²)</th> </tr> </thead> <tbody> <tr> <td>171/2</td> <td>5908.41</td> </tr> <tr> <td>171/3</td> <td>1335.46</td> </tr> <tr> <td>Total as per documents</td> <td>7243.87</td> </tr> <tr> <td>Total area at actuals at site & considered for expansion</td> <td>7200.00</td> </tr> </tbody> </table>	Survey No.	Area (m ²)	171/2	5908.41	171/3	1335.46	Total as per documents	7243.87	Total area at actuals at site & considered for expansion	7200.00
Survey No.	Area (m ²)											
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Total area at actuals at site & considered for expansion	7200.00											
4.	The Proponent shall furnish detailed land area breakup indicating OSR area in Sq.m and also in percentage of total land area (Plot area- 35,284.97 Sq.m). The project proponent shall	<p>The development was initially done as plotted layout way back in 2006, with total plot area 62600 m² and at the time of layout approval, we have allotted 5620 m² OSR area for the combined Plots (plot 1 to 8) to Pammal Municipality vide Gift Deed No. 232/06 dated 15/06/2006. However, the earlier EC was secured only for plot No.8 with total plot area 28,084.97 m². The OSR area already allotted for the earlier development is under the custody of Pammal Municipality & has provision of gated entry & exit.</p> <p>For the proposed expansion in Plot area @ 7200 m². Now additional OSR area is applicable @ 721.00 m². 10% of the additional plot area is allotted for OSR with entry and exit points,</p>										



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	provide entry and exit point for the OSR area, as per the norms for the public usage and as committed.	as per the norms for the public usage but will be maintained by Pammal Municipality.
5.	The PP shall spell out the action envisaged on the technical opinion of PWD regarding inundation point of view.	PWD NOC Number: DB/T5(3)/F-NOC-4266 Pammal Village / 2022/ dated 08.06.2022 and the same is submitted.
6.	The PP shall obtain necessary approvals from the authorities concerned to construct a proper drainage system to convey excess storm water from the proposed project site to the nearest waterbody.	Yes, necessary approvals for draining excess stormwater from the project area into nearby nallah obtained from PWD authorities by laying suitable pipeline from 2 sides of the plot area. The surplus rainwater from Rooftop collection will be directed into the structured stormwater drain constructed by the Pammal Municipal Corporation, for which development charges were previously paid by the project during the planning permit stage. Prior to initiating construction at the site, permission will be sought from the Pammal unit office to connect the excess stormwater to the public stormwater drain.
7.	The PP shall furnish NOC of Airport authority for Height Clearance.	We have obtained NOC of Airport authority for Height Clearances through NOC ID- CHEN/SOUTH/B/031519/377597 dated 25-03-2019 and valid Upto 24-03-2027. Maximum height permitted is 53.88 m and average MSL is 19m. The proposed construction is comprising of stilt + 10 floors (i.e.,33m).
8.	The PP shall furnish the fire NOC.	We have obtained Fire NOC from Tamil Nadu Fire & Rescue Services Department vide PP NOC No. 101/2022 dated 12.07.2022.


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9.	The PP shall furnish a traffic analysis report	According to a traffic survey report, The main access depends on the Thiruneermalai Main Road for the project, a connecting road of 8 m width and 750 m long. Peak traffic occurs between 7.30 am and 9.30am and again between 4.30 pm and 7.00 pm on Weekdays and between 9.00am and 10.30 am and again between 8.30 pm and 10.00 pm on Weekends.
10.	The PP shall withdraw the below remaining applications filed for obtaining EC with proper justification.	We have submitted the withdrawal letter for the following proposal numbers. i) SIA/TN/INFRA2/231590/2022 dated: 25.03.2022. ii) SIA/TN/INFRA2/75337/2018 dated: 08.06.2018. iii)SIA/TN/INFRA2/212674/2021 dated: 02.06.2021.
11.	The pp shall study the impacts on the Quarry Lake and Periya Eri Lake around the project site	<p>The proposed residential unit development will have a positive impact on the surrounding environment through well-structured environmental protection safeguards built within the projects that aspires for IGBC Gold Certificate.</p> <p>The project will have air pollution control devices installed on the DG sets, 100% sewage collection, treatment in in-house STP and reuse to the maximum extent.</p> <p>Excess treated water shall be given for avenue plantation with the permission of Pammal Municipality (part of Tambaram Corporation), 15% of the total plot area will have green development and ensure 100% Dust suppression and Noise attenuation across the project boundary.</p> <p>Periya lake & Quarry Lake are near the project site and restoration of both lakes are being undertaken by Tambaram Municipal Corporation.</p> <p>As a part of our corporate responsibility towards environmental protection, we will commit to allocate funds @ INR. 25 Lakhs to Periya Eri and INR 7 Lakhs to the Quarry Lake as well in consultation with Tambaran Municipal Corporation-Pammal ward.</p>
12.	The PP shall study the impacts on	Pulikoradu Reserve Forest is lying in the South west side of the project @ 1.2m, and beyond Thiruneermalai Periya Lake. Pulikoradu village is upcoming with more residential units as per


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	Pulikkuradu reserve forest.	<p>the Development Guidelines of CMDA. Our project is development of good quality residential development and the approach to our project is from the Chennai-Tambaram Bye pass which is in no way connected to the Pulikoradu RF.</p> <p>Part of our study, we have assessed that the proposed residential development will not cause any threat to the eco- biodiversity of the forest. However, we have understood that the residents and visitors to upcoming residential development in Pammal, Thiruneermalai, Alagaputhur, Pulikoradu villages are indulging in unauthorized visit to the forest area. Further, we understood that there are initiatives from the District Forest Officer, Chengalpattu to build protection walls and fencing as applicable to the stretch of the forest area to prevent unauthorized entry into the forest disturbing the eco-biological balance of the same.</p> <p>Considering the need of preventing any further disturbances to Pulikoradu RF, we have allocated INR 25 Lakhs in consultation with the DFO for undertaking /contributing to the major activities being undertaken by the DFO.</p>
13.	The PP shall furnish Disaster Management Plan and Evacuation plan.	A specific study report on Disaster Management pertaining to the proposed activity & the site location is prepared and submitted.
14.	<p>The proponent shall furnish details on the NBC (National Building Code of India) norms adopted, with respect to the following to ensure environmental hygiene and safety standards</p> <p>a) Kitchen</p> <p>b) Bathrooms</p>	We have referred to NBC, 2016, based on this the environmental hygiene and safety details are submitted.


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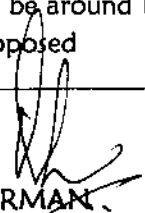
	<p>c) Basements</p> <p>d) Garages</p> <p>e) Stairways</p> <p>f) Open ways</p> <p>g) Fire safety & safety against fire escape routes</p> <p>h) Electric lines</p> <p>i) Rooftop safety</p> <p>j) Car parking</p> <p>k) Visibility in exit areas</p>	
15.	The proponent shall furnish details on the no. of fire alarms provided and the automatic fire detection standards followed	<p>i) No. of fire alarms - 208 no</p> <p>ii) No. of automatic fire detection -1446</p>
16.	The proponent shall furnish details on the actions taken to reduce anthropogenic GHGS such as CO2,CH4 nitrous oxide, etc., resulting from human activities.	<ul style="list-style-type: none"> • Deployment of Renewable Technologies: Increase the share of renewable energy sources (solar, wind hydro, geothermal) in the energy mix for electricity generation to replace fossil fuel-based power. • Energy Efficiency: Implement energy efficiency measures to reduce overall energy consumption in various sectors, including buildings, transportation, and industries • Promote practices such as agroforestry, cover cropping, and no-till farming to enhance carbon sequestration in soils • Municipalities take the lead in a local, participative approach, to make housing emission free. • By organizing more efficient and sustainable transport. • Reducing methane emissions from livestock. • Use less electricity


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		<ul style="list-style-type: none"> • Renewable energy sources - Renewable energy sources include solar energy, geothermal energy, wind turbines, ocean wave and tidal energy, waste and biomass energy, and hydropower. These renewable energy sources do not release greenhouse gasses into the atmosphere. • Shrink the footprint of food - Eating a diet that is mostly or entirely plant-based (such as vegetables, bread, rice, and beans) lowers emissions • Reducing household waste - Avoiding unnecessary purchases, buying second hand, eliminating reliance on single-use containers, switching to reusable bags, bottles, and beverage cups, reducing paper subscriptions and mail in favor of digital options, recycling, and composting, can all help reduce household waste. • Take carbon dioxide out of the air - There are also carbon dioxide removal technologies, which may be able to pull large amounts of greenhouse gasses out of the atmosphere. <p>Sources for Nitrous Oxide generation from any residential development will be mainly due to the fuels used for Cooking, Standby Electricity, internal Transportation and from the treatment of Sewage Water at site. The project has been proposed for pooled LPG gas cylinders provision to encourage clean fuel use in 100% of the residential units for cooking. There will be no Nitrous oxide emission due to cooking.</p> <p>High speed diesel only will be used, at required power cut period, maximum 2 hours a day at peak; thus there will be very little contribution of Nitrous Oxide due to operations of DG sets.</p> <p>Though it is inevitable to have nil internal transportation / vehicular movement, the project shall ensure smooth and slow movement without any stagnation inside the Project area, thus there will not be any accumulation of Nitrous Oxide due to traffic activities within the project.</p> <p>The project envisages a STP with a capacity KLD based on MBBR technology. Several key factors including operational conditions, influential features, etc. mostly affecting the N₂O production. With this regard, it has been demonstrated that the influent C/N ratio and sludge retention time (SRT) influences significantly N₂O formation. In the proposed STP, C/N ratio is less due to the residential activities, and the plant will have SRT will be around 15 days. Hence, the nitrous oxide emission from the proposed</p>
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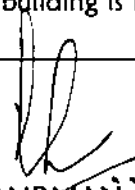
		MBBR technology will be lower than that of any other technologies if employed to treat the same Sewage in-house.
17.	The proponent shall furnish details on the strategies adopted to decarbonize the building.	<ul style="list-style-type: none"> • At the time of construction, chemicals used like paints, wall putty, timber, steel paints, anti termites, binders, floor binders, solvents for plumbing, all kinds of root assessment for the carbonization. • Buildings will be decarbonized by pressurizing the fresh air into the building or area 15 days after the completion of work or handover to the owner once the building is ready for the occupation. During the operation • By increasing the number of free air flows like door to door, door to window, window to window. • Every Room will be provided with two windows with cross ventilation so that free air can be circulated the room • Project area will be planted with 1059 trees. Which will also absorb the carbon dioxide.
18.	The proponent shall furnish measures taken to mitigate the impact on critically endangered species, biodiversity, etc., due to the modification of the habitat.	The project site does not have any habitat for endangered species in town approved residential use by CMDA way back in 2012. Also, Pammal is the growing town adjacent to Greater Chennai Corporation area with more and more residential developments coming up. Pammal village is a residential village.
19.	The proponent shall develop an emergency response plan in addition to the disaster management plan.	We have prepared an Emergency Response Plan along with DMP.
20.	The proponent has furnish details on building-friendly pest control	The proponent has furnished details on building-friendly pest control strategies developed using non chemical measures so as to control the pest population thereby not losing beneficial organisms are


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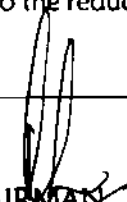
	<p>strategies developed using non chemical measures so as to control the pest population thereby not losing beneficial organisms.</p>	<ul style="list-style-type: none"> • Physical barriers: Using physical barriers, stion the screens, door sweeps, and weather stripping, can prevent pests from entering a building. • Sanitation: Keeping a clean and orderly environment can make it less attractive to pests. This includes properly storing food, keeping surfaces clean, and disposing of garbage properly. • Exclusion: Seal off entry points to prevent pests from entering the building. This can be done by filling cracks and crevices with caulking, and installing door sweeps and weather stripping. • Habitat modification: Modifying the environment to make it less attractive to pests. This car include removing standing water and food sources, trimming overgrown vegetation, an removing clutter and debris. • Biological control: Using natural predators or parasites to control pest populations. The can include introducing ladybugs to control aphids or using nematodes to control grubs. • Trapping: Using traps to capture pests without using chemicals. This can include glue traps, snap traps, and live traps. • Natural repellents: Using natural substances such as peppermint oil, citrus oil, or garlic to repel pests. • Beneficial insects: Introducing beneficial insects such as ladybugs, lacewings, and parasitoid wasps which feed on pests.
21.	<p>The proponent shall furnish the measures taken to prevent the spread of invasive species.</p>	<p>Unwanted species will be removed and gardeners will be appointed. 4 gardeners and 1 supervisor for maintaining the greenbelt area will be employed. Invasive species will be removed within the project area.</p>
22.	<p>The proponent furnish detailed plan adopted to reduce carbon footprints and also strategies for climate proofing and</p>	<ul style="list-style-type: none"> • At the time of construction, chemicals used like paints, wall putty, timber, steel paints, anti termites, binders, floor binders, solvents for plumbing, all kinds of root assessment for the carbonization. • Buildings will be decarbonized by pressurizing the fresh air into the building or area 15 days after the completion of work or handover to the owner once the building is ready for the occupation. During the operation .


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	climate mitigation.	<ul style="list-style-type: none"> • By increasing the number of free air flows like door to door, door to window, window to window. • Every Room will be provided with two windows for cross ventilation so that free air can be circulate in the room. • Project area will be planted with 1059 trees. Which will also absorb the carbon dioxide.
23.	The proponent shall furnish details on strategies developed to ensure the buildings in blocks don't trap heat and become local urban heat islands.	<p>The strategies developed to ensure the buildings in blocks don't trap heat and become local urban heat islands are:</p> <ul style="list-style-type: none"> • Passive solar design: This involves orienting the building to maximize the use of natural light and solar energy, while minimizing heat gain during the hottest parts of the day. This can be done by designing the building with large windows on the north and south sides, and smaller windows on the east and west sides. • Insulation and shading: Insulation helps to keep heat out of the building during the summer months, while shading devices such as overhangs, awnings, and shading screens can be used to block out the sun's rays. • Natural ventilation: By using natural ventilation, such as openable windows, vents, and skylights, buildings can allow hot air to escape, and cooler air to enter the building. This can be coupled with cross ventilation to increase the effectiveness. • Green roofs and walls: Green roofs and walls can help to cool a building by providing insulation and shading, and by releasing moisture into the air. • Air conditioning: Air conditioning is a common solution to prevent overheating, but it can be energy-intensive, therefore it is important to use energy-efficient systems and to design the building to minimize the need for cooling. • Reflective materials: Using reflective materials on the roof and walls of a building can reduce the amount of heat absorbed by the building, reducing the need for cooling.
24.	The proponent shall furnish details on the sustainability criteria adopted to protect the micro environment from wind	Not applicable to this project as the number of floors are only upto 5+10 floors; though there will be wind tunnels forming between blocks that will only increase air circulation within dwelling units; this wind circulation will benefit not only the project area, but also the neighborhood areas as well. Also, the top floors (6th to 10th floor) will have natural air draught which will increase occupants to experience natural wind flow which will contribute to the reduction of energy consumption as well.


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	turbulence and change in aerodynamics since high rise buildings may have stagnant air movements.	
25.	The proponent shall furnish details on the strategies developed to prevent bird hits.	<p>The details on the strategies developed to prevent bird hits are:</p> <ul style="list-style-type: none"> • Install Bird Tape on Windows- It offers an easier way to apply the correct spacing of lines across your window, so the bird can detect that there's a barrier. • Install One-Way Transparent Film - It allows people to see clearly through their window from the inside but will look opaque to everyone else. • Use External Sun Shades or Awnings - Reflective window shades are responsible for blocking out the reflection of sunlight. Transparency will be either minimized or eliminated with the addition of sun shades or awning to your window • Install Motion Sensor Lights - Red lights and white lights (which contain visible long-wave length radiation) disrupt birds' geomagnetic orientation. Blue and green lights contain less long-wavelength radiation and are much less disorienting. It is preferred to use motion sensors to avoid steady-burning lights, and include timers to ensure that the lights aren't left on longer than necessary. • Install external shutters - Close the shutters when you are out for the day to prevent birds from hitting the glass. • Install zen curtains
26.	The proponent shall furnish details on the provisions made to ensure that the building does not create artificial wind tunnels creating cold water and uncomfortable living conditions	The project has conceived the positioning of blocks so as not to create artificial wind tunnels creating cold water or any uncomfortable living conditions resulting in health issues.


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	resulting in health issues.	
27.	The proponent shall develop a detailed evacuation plan for disabled people and safety evacuation plan during emergencies.	<p>The detailed evacuation plan for disabled people and safety evacuation plan during emergencies is as follows:</p> <ul style="list-style-type: none"> • Primary routes and backup routes map out in case roads are blocked or impassable. First aid kit • Special equipment for disabled people such as evacuation chairs, Bariatric equipment, evacuation mats and sheets etc. • Training on the specific emergency evacuation plan. This may include test runs, drills, and other practical exercises. • Regularly review and update the emergency evacuation plan • List of contact details of local emergency services • Different evacuation plans on each floor specially made for differently abled people evacuation • Fire alarm during an emergency
28.	The proponent shall furnish details on the strategies adopted to maintain the health of the inhabitants in high rise buildings.	<ul style="list-style-type: none"> • Regularly maintain and upgrade HVAC systems to ensure proper air circulation and filtration. • Encourage residents to open windows whenever possible to allow fresh air in. • Monitor and address indoor air pollution • Encourage physical activity through gyms, fitness classes, and accessible stairs. • Provide access to green spaces with rooftop gardens, partnerships with parks, and houseplants.
29.	The proponent shall explain the methodology adopted to control thermal environment and other shocks in the building.	<ul style="list-style-type: none"> • Natural ventilation: Strategically placed windows and vents can promote air circulation and help to cool the building naturally. • High-performance glazing: Using insulated or coated glass windows can help to reduce heat transfer and improve thermal comfort. • Heating, ventilation, and air conditioning (HVAC) systems: These systems provide temperature control and maintain air quality within the building.
30.	The proponent shall provide details on the provisions for controlled	Ventilation is the process of changing air in any space to provide high indoor air quality, to control temperature, replenish oxygen, remove moisture, odour, smoke, heat, dust, airborne bacteria, and carbon dioxide


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	<p>ventilation and lighting systems.</p>	<p>Ventilation allows for the exchange of air from the outside and circulation of air within a building. A proportion of air within the enclosed space should be continuously withdrawn and replaced by fresh air to maintaining acceptable air quality in building</p> <p>Air movement within a building is caused by the pressure difference of wind or stack effect or a combination of both wind and stack effects.</p> <p>In the proposed building we adopt natural means for supplying and removing air through an indoor space called Wind driven ventilation. Air enters through openings in the windward walls, and leaves through openings in the leeward walls.</p> <ul style="list-style-type: none"> • Cross ventilation through windows positioned opposite to each other in a building causes wind pressures generally high/positive on the windward side of a building and low/negative on the leeward side. • We adopt Ventilation through window mechanism in the proposed building to ensure wind siled ventilation • Day lighting is the controlled admission of natural light, direct sunlight, and transer sky lighting a building to reduce electric lighting and saving energy. • Natural lighting will be maintained in the proposed building through Glazed windows that will allow natural daylight into the rooms • The proposed building is designed to have an Integrated Natural lighting System consists of- <ul style="list-style-type: none"> Daylight-optimized building footprint Climate-responsive window-to-wall area ratio High-performance glazing Day lighting-optimized fenestration design Skylights (passive or active) Daylight redirection devices Solar shading devices Daylight-optimized interior design (such as furniture design, space planning, and room surface)
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The SEAC carefully examined the replies and decided to reiterate its recommendation already made in the 394th SEAC meeting held on 21.07.2023. All the conditions recommended will also remain unchanged.

Agenda No: 440-11


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(File No: 9665/2022)

Proposed Rough stone and Gravel Quarry of over an extent of 12.56.5 Ha at Survey Nos. 760/1, 760/2, 762/1,762/2A and 763 in Padmanabamangalam Village, Srivaigundam Taluk, Thoothukudi District, Tamil Nadu by Thiru. D. Mohanraj - For Environmental Clearance. (SIA/TN/MIN/60859/2019, dated:16.02.2021)

Previous History of the Project Proposal: (File No.6805/ SIA/TN/MIN/60859/2019, dated:16.02.2021)

The proposal was earlier placed for appraisal in the 237th meeting of SEAC held on 08.10.2021. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, Thiru.D.Mohanraj, has applied for Environmental Clearance for the proposed rough stone and Gravel Quarry of over an extent of 12.56.5 Ha at Survey Nos. 760/1, 760/2, 762/1, 762/2A and 763 in Padmanabamangalam Village, Srivaigundam Taluk, Thoothukudi District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. ToR issued vide Lr. No. SEIAA-TN/F.No.6805/SEAC/TOR-646/2019 Dated 05.09.2019.
4. Public hearing was conducted on 17.11.2020.

Based on the presentation made by the proponent and the documents furnished, SEAC decided that mining in large area of around 12.6 Ha would have devastating effect on the life of black buck which is an endangered animal (schedule 1). Article 51E says environmental protection and protecting animal wild life is the duty of every citizen. If the proposed mine is being carried out over the entire area there is a heavy danger that these bucks may get trapped into this mining area even with fencing and we are of opinion that the ecoservices being rendered by these endangered needs to be protected. Hence in order to protect the endangered animals which otherwise will extinct from the area, the committee is on the opinion that environmental clearance is not recommended.


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Report by Ex-member Mr.B.Sugirtharaj Kovilpillai who is an expert in Forest and Wild life activities:

"Dear Sir / Madam,

The following report is placed before the SEAC for consideration. I furnish the following details with reference to the proposal for quarrying in S.F.Nos. 760/1, 760/2, 762/1, 762/2A, & 763, Padmanabamangalam Village, Srivaikundam Taluk, Thoothukudi District for favour of kind consideration.

Vallanadu Blackbuck Sanctuary is the southernmost abode of blackbucks in India. This sanctuary houses varieties of animals and plants. The fauna of Vallanadu Blackbuck Sanctuary includes blackbuck, spotted deer, sambar, scaly ant eater, monitor lizard, jungle cat, grey mongoose, black naped hare, vipers, peacock, heron, grey francolin, common quail, crested hawk eagle, black winged kite, red wattled lapwing, night jar, sparrows, homed owl etc. This is an isolated hillock with scrub jungle.

This Sanctuary is dedicated for the conservation of blackbuck an endangered animal, found in the red data book of IUCN and included in schedule I of Wildlife Protection Act, 1972.

Blackbucks require open grassland with intermittent bushes. They are sensitive to environmental pressures and adequate land is required for their survival. The limited space available in the sanctuary along with scarcity of food and water especially during summer poses a great threat for their survival.

The blackbucks have regular habit of coming out of the sanctuary and graze in the wastelands on the eastern and western sides outside the sanctuary.

Under these circumstances, I request the committee to consider the points mentioned in the research papers,

1. *"Conservation of a fragmented population of blackbuck" published in Current Science, Vol. III, No. 3, 10th August 2016.*

"In VBS blackbucks were seen spending the night in the grass fallow outside and move towards the forests only when disturbance levels increased in the outside areas. It therefore appears that the preferred habitat lies in the eastern fallow outside the VBS." (Pg.547)

"Moreover, the land use further away from the fallow is highly urbanized, and industrialized due to the presence of quarries." (Pg.547)

"There are increasing evidences to this, as blackbucks are frequently seen 5 km away


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*from VBS along main roads and also in private farms and near irrigation tanks."
(Pg.548)*

2. *"Distribution patterns and habitat requirements of blackbucks in Vallanadu Blackbuck Sanctuary implications for conservation and management." published in Indian Forester, 140 (10) : 1005-1013, 2014.*

"Most of the herds (blackbucks) were seen in the open fallow grasslands on the eastern side of the sanctuary." Pg.1008

"A few perennial sources outside the reserve were mostly visited by domestic livestock, but, also frequented by blackbuck." Pg.1008

"The open fallow (grassland) outside the eastern edge of VBS offers water and forage and good staging sites for the males but not adequate protection. This patch of open fallow land is an island of about 3 sq km surrounded by activities such as mining, real estate and proposed highway construction." Pg.1011

"The open fallow grasslands may serve as important breeding areas of the Buck and needs to be conserved alongside the sanctuary." Pg. 1012

"These areas are however, coming in conflict with quarrying activities, which are creating continuous disturbances to the blackbuck." Pg. 1012

These research papers clearly mention that blackbucks move upto 5 km outside the sanctuary on the eastern side and mining activities will have a disastrous effect on blackbucks.

Based on these above facts, it is suggested that the proponent may get a detailed letter from the DFO (Tirunelveli) about the safety of blackbuck due to mining.

The project proponent furnished the details vide letter dated 24.01.2022 and hence the proposal was placed for appraisal in the 259th meeting of SEAC held on 31.03.2022. The Project proponent made a power point presentation and also furnished the details called for. After examining the documents & project proposals furnished by the project proponent, the SEAC noted that,

Blackbuck is the prominent species in Vallanadu blackbuck WLD sanctuary in Thoothukudi district and this is its southernmost habitat in the country. Blackbuck is an endangered species and included in IUCN red data book in the category in VUC (vulnerable status) and under Schedule I of the WP Act, 1972. The project site is 1.6km from sanctuary boundary and ESZ is 1km


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around. The blackbucks often come out of sanctuary for foraging, hiding, water etc..

Blackbucks are very timid and shy animals and the proposed activity involves rock blasting noise, vibrations, dust, smoke and other anthropogenic disturbances and these will have adverse effect on this vulnerable species. This point has been stressed in the public consultation also.

Considering the above SEAC **decided not to recommend the proposal for the grant of Environmental Clearance.**

Subsequently the subject was placed in the 505th meeting of SEIAA held on 09.05.2022.

The Authority noted that this proposal was placed for appraisal in the 259th meeting of SEAC held on 31.03.2022 and the SEAC observed and stated as follows:

“Blackbuck is the prominent species in Vallanadu blackbuck WLD sanctuary in Thoothukudi district and this is its southernmost habitat in the country. Blackbuck is an endangered species and included in IUCN red data book in the category in VUC (vulnerable status) and under Schedule 1 of the WP Act, 1972. The project site is 1.6km from sanctuary boundary and ESZ is 1km around. The blackbucks often come out of sanctuary for foraging, hiding, water etc.,

Blackbucks are very timid and shy animals and the proposed activity involves rock blasting noise, vibrations, dust, smoke and other anthropogenic disturbances and these will have adverse effect on this vulnerable species. This point has been stressed in the public consultation also.”

Considering the above SEAC **decided not to recommend the proposal for the grant of Environmental Clearance.**

In view of the above, the Authority after detailed discussion decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 31.03.2022.


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Meanwhile the PP filed new application vide online application no. 401969 dated 06.10.2022 (File No.9665). The PP was communicated vide T.O letter dated 19.07.2023 informing that proposals once rejected by SEAC will not be re-considered for appraisal at SEIAA/Tamil Nadu. If the project proponent (PP) feels aggrieved by the decision of SEIAA in regard to grant/rejection of Environmental Clearance, the PP may approach Hon'ble Court.

The Hon'ble NGT (SZ) in its order dated 22.09.2023 in Appeal no. 21/2023 has directed SEIAA TN to consider application no. 401969 dated 06.10.2022 in accordance with law.

Hence the subject was taken up for discussion in this 440th meeting of SEAC held on 11.01.2024. The SEAC after detailed discussions directed the PP to carry out a study on the impact of mining on Black Buck habitat through Advanced Institute for Wildlife Conservation, Tamil Nadu Forest Department, Vandalur stipulating the following Terms of Reference for the study:

1. To study the behavior of threatened species, Blackbuck, their grazing habits and the area of habitat requirements.
 - i. Implications of the proposed mining activity on Blackbuck habitat with special reference to their grazing behavior
 - ii. Implications of noise pollution on Blackbuck habitat with special reference to their reproductive behavior
 - iii. The effect of Air pollution on the Blackbuck habitat with special reference to their grazing area.
 - iv. The proposed activity is a massive mining of Rough stone, covering more than 12 hectares, involving heavy transportation of man and materials. So the implications of the increased traffic shall be specifically studied and reported.
 - v. To suggest mitigation measures for the expected adverse impact of the proposed mining and related activity.


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Based on the findings of the above study, the PP may propose additional mitigation measures as may be found necessary, revise EMP and submit the details. On receipt of the details sought the SEAC will further deliberate and decide on future course of action.

Agenda No: 440 - 12

(File No: 10514/2023)

Proposed Rough stone and Gravel Quarry lease over an extent of 3.84.05 Ha at S.F.No. 150/2(P), 151/2(P), 151/3(P), 151/4(P) in Sevalpatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. R. Thangappalani - Environment Clearance. (SIA/TN/MIN/450711/2023 dt 01/11/2023)

The proposal was placed in this 440th meeting of SEAC held on 11.01.2024. The Project Proponent made a detailed presentation on the proposal. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Thiru. R.Thangappalani has applied seeking Environment Clearance for the Proposed Rough stone and Gravel Quarry lease over an extent of 3.84.05 Ha at S.F.No. 150/2(P), 151/2(P), 151/3(P), 151/4(P) in Sevalpatti Village, Vembakottai Taluk, Virudhunagar 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.

Previous history of the proposal furnished by the PP:

Earlier the PP applied seeking Environment Clearance vide SIA/TN/MIN/270726/2022 dated 05.05.2022 (File Number -9230/2022). The history of events is detailed below:

Minutes of 300th SEAC Meeting held on 29.07.2022:

- i. SEAC noted that a fireworks factory is at a distance of 160m from the site. The proponent claims that the firework is not in operation for the past 4 years. Hence, the PP is requested to furnish the letter of closure of the nearby fireworks unit obtained from the Controller of Explosives / Deputy Chief Controller, of Explosives, Sivakasi Region Virudhunagar District.
- ii. Further, the PP shall submit the registered lease document."


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Minutes of 545th SEIAA Meeting held on 26.08.2022:

- i. There are similar fireworks located at a distance of 300m radial distance from the proposed mine lease area. Hence, the proponent is requested to furnish the operative condition of the fireworks in the nearby area.
- ii. The proponent shall submit the impact on agricultural fields, soil quality, Humus, Soil microorganisms.
- iii. The details regarding the vegetation present in the proposed mine lease area.
- iv. As per the KML uploaded by the proponent in the online through the Parivesh portal, it is ascertained that a river exists in the west to the proposed mine lease area and hence the proponent is requested to furnish the impact of mining on the river banks like soil erosion.
- v. The proponent shall furnish the conservative measures particularly for the soil conservation.

Minutes of 318th SEAC Meeting held on 07.10.2022:

Based on the reply submitted for above ADS, the project was appraised and SEAC stated following:

"a firework factory exists at 280 m in the North East direction of the proposed site (within 300 m from the quarry limit) and another five Firework factories are situated within 300 to 500 m distance radius from the quarry. From the above, the SEAC had observed the following legal provisions of the Rule 36(I-A) of Tamil Nadu Minor Mineral Concession Rules, 1959 as amended states(a)"No lease shall be granted for quarrying stone within 300m from any habituated site" "Inhabited site means a village site or town site or house site or layout approved by a local body or town or country or metropolitan planning authority where the said Body or Authority is located under a state and I empowered to approve such an area as a house site or layout area.

Besides the above legal limits, considering the sensitivity of the structures (i.e., Fireworks factory / magazine) involved and the human safety of the persons employed in such factory premises, the SEAC after having the detailed discussions decided not to recommend the proposal for Environmental Clearance.


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Minutes of 563rd SEIAA Meeting held on 27.10.2022:

"In view of the above, Authority decided to accept the decision made by SEAC and decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent".

Meanwhile the PP filed a Writ petition vide W.P.(MD) No. 18778 of 2023 in the Madurai Bench of Hon'ble High Court of Madras against the rejection of the proposal. Based on the directions of the Hon'ble Court vide its order dated 03.08.2023, the new application along with revised proposal was placed in this 440th meeting of SEAC held on 12.01.2024.

Based on the presentation and documents furnished by the project proponent, SEAC directed the Project Proponent.

- i. To plant additional six rows of 500 tall plant saplings of native species on the northern and north-eastern area of the proposed mine lease area as buffer and furnish the geo tagged photographs of the same.
- ii. PP shall furnish an affidavit stating that he/she will not use the abandoned fire structure located in his land on the western side of the quarry at 160m for the purpose of storage of any explosive/firework substances and the structures therein will be demolished in due course.
- iii. The PP shall construct the trench for a depth of 1.0 m and 0.5 m width outside the boundary focussing the existence of firework structures to restrict the passage of shock wave.

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

Agenda No: 440 - 13

File No: 7437/2020

Proposed Reconstruction of 240 nos. of residential flats at Block No.08, TS No. 6pt, 7pt, 8pt, 9pt and 10pt of Shenoy nagar, Perambur -Purasaivakkam Taluk, Chennai District by M/s. Tamil Nadu Housing Board – Amendment to Environmental Clearance. (SIA/TN/MIS/304654/2023 dated 05.10.2023)

The proposal was placed in this 440th meeting of SEAC held on 11.01.2024. The Project


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Proponent made a detailed presentation on the proposal. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. Tamil Nadu Housing Board has obtained Environmental Clearance for the proposed reconstruction of 240 residential flats at Block No.08, TS No. 6pt, 7pt, 8pt, 9pt and 10pt of Shenoy Nagar, Aminjikarai Village, Perambur - Purasaivakkam Taluk, Chennai District vide SEIAA-TN//F.No.7437/EC/8(a)/737/2020 dated 23.01.2021 comprising 2 Blocks (5+15 Floors) + Terrace with a total dwelling units of 240 units (150 HIG & 90 MIG Flat) with total built up area of 32,829.57 Sq.m and total land area of 7,675.83 Sqm
2. As per the said EC, it was proposed to construct a Grey Water Treatment Plant of 100 kLD capacity to treat 85 kLD of Grey water and Sewage Treatment Plant of 70 kLD capacity to treat 62 kLD of sewage.
3. Now the PP has applied seeking amendment to the EC Lr. SEIAA-TN//F.No.7437/EC/8(a)/737/2020 dated 23.01.2021 for exempting construction of STP and GWTP and dispose the sewage and grey water into dedicated sewer main as detailed below:

S. No	Plant/ Equipment/ Facility	Existing Configuration	Proposed Configuration	Final configuration after Amendment	Remarks if Any
1	Sewage Generation (including grey water) of 147 KLD	GWTP - 100 KLD & STP - 70 KLD	Disposed to STP 120 MLD of CMWSSB	Disposed to STP 120 MLD of CMWSSB	Shenoy Nagar Pumping station through dedicated sewer main

The Committee held detailed discussions and decided to recommend for the grant of amendment to EC as detailed above. All the other conditions stipulated in the EC Lr. SEIAA-TN//F.No.7437/EC/8(a)/737/2020 dated 23.01.2021 remain unaltered.


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Agenda No: 440 - 14

(File No: 8102/2023)

Proposed Construction of Residential Complex "Bollineni Zion" S.F. Nos. 443/2, 444/1, 444/2 of Perumbakkam village & 93 to 97, 100 to 102, 103/1A2, 116/1B, 117/2A1, 117/2A2, 117/2B, 118/2B12, 118/2B13, 131/23, 131/4 of Arasankalani village, Sholinganallur Taluk, Kanchipuram District, Tamil Nadu by M/s. BSCPL Infrastructure Limited - For Amendment to Environmental Clearance. (SIA/TN/MIS/306467/2023, dated: 16/11/2023)

The subject was placed in the 679th meeting of SEIAA held on 13.12.2024. The Authority noted that the PP has applied for amendment to the Environmental Clearance for change of name and increase in built-up area. Hence the Authority decided to refer the subject to SEAC for furnishing remarks on the request made by the PP.

The proposal was taken up for discussion in this 440th meeting of SEAC held on 11.01.2024. The Project Proponent made a detailed presentation on the proposal. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The SEAC noted the following:

1. M/S. BSCPL Infrastructure Limited has obtained Environmental Clearance dated 08.02.2022 for the proposed Construction of Residential Complex "Billineni Zion" at SF. No's:443/2, 444/1, 444/2 of Perumbakkam and 93-97, 100-102, 103/1A2, 116/1B, 117/2A1, 117/2A2, 117/2B, 118/2B12, 118/2B13, 131/23, 131/4 of Arasankalani Village, Tambaram taluk, Chengalpattu District, Tamil Nadu with total built-up area of 3,67,182.67 Sqm.
2. Now the PP, M/s. Krishnaiah Projects Private Limited has applied seeking amendment to Environmental Clearance for change in built-up area vide Proposal No. SIA/TN/MIN/306467/ 16.11.2023 for the total built-up area of 4,12,193.90 Sqm
3. The total plot area is 94978.93 Sq. m (or) 23.47 Acres (9.497 Ha). Built-up area of 4,12,193.90 Sq. m. (Block A- H, J - N, Club House, Retail & School)
4. The Total Number of Floors: Block A - H and J - M- Combined Basement + Stilt + 28 Floors


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Block N – Basement + Stilt + 16 Floors

Club House – Combined Basement + Stilt + 3 Floors

Retail – 2 Basement + Ground + 5 Floors

School – Ground + 3 Floors

Based on the documents and the presentation made by the PP, the SEAC directed the PP to apply for modification EC as there is change in built-up area and to withdraw this application seeking amendment.

Agenda No: 440 - 15

(File No: 6807/2021)

Expansion of Existing construction of IT buildings at MEPZ (Madras Export Processing Zone) campus at Plot No. A-15, 16, 17(Part), B20, C-1 & C-10 and D-2 in Kadaperi Village, Tambaram Taluk, Kancheepuram District, Tamil Nadu by M/s. Cognizant Technology Solutions India Private Limited - For Environmental Clearance Under Violation Category. (SIA/TN/MIS/22790/2018, dated 15.07.2022)

The proposal was earlier placed in the 310th meeting of SEAC held on 14.09.2022 and 393rd meeting of SEAC held on 20.07.2023. The SEAC decided to **recommend for the grant of Environmental clearance under violation category subject to the conditions stated therein.**

Subsequently the subject was placed in this 643rd meeting of Authority held on 01 .08.2023. The Authority noted that the subject was placed in the 393rd meeting of SEAC held on 20.07.2023 and the SEAC has furnished its recommendation for the **grant of Environmental Clearance** to M/s. Cognizant Technology Solutions India Private Limited for the expansion of Existing construction of IT buildings at MEPZ (Madras Export Processing Zone) campus at Plot No.A-15, 16, 17(Part), B20, C-1 & C-10 and D-2 in Kadaperi Village, Tambaram Taluk, Kancheepuram District, Tamil Nadu **under violation category** comes under the "high level ecological damage category". The Committee decided to recommend the proposal to SEIAA for grant of EC subject to the following specific conditions in addition to the normal conditions stipulated by MOEF&.CC:


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- a. 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.
- b. Accordingly, the amount prescribed for Ecological remediation, natural resource augmentation & community resource augmentation is **Rs. 479.25 Lakh**. Hence the SEAC decided to direct the project proponent to remit the amount of **Rs.479.25 Lakh** in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
- c. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of **six months**. If not, the bank guarantee will be forfeited to TNPCB without further notice.
- d. The amount committed by the Project proponent for CER (**Rs.70.00 Lakh**) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.
- e. 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 furnish the detailed EMP mentioning all the activities of proposed CER for entire project other than the CER amount of **Rs.70.00 Lakh** to be remitted before the issue of Environmental clearance.


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- f. The project proponent shall submit the proof of action taken by the State Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
- g. The proponent is directed to provide the acoustic enclosure for the blowers in the existing STP before obtaining EC.
- h. The proponent shall obtain the necessary permission for disposal of excess storm water to the tank situated nearby from the competent authority.

The Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent requesting to furnish the additional details/documents sought by SEAC and place the proposal in the ensuing Authority meeting after receipt of the details.

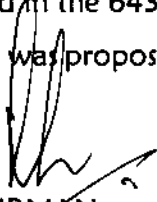
The PP has furnished reply vide letter dated 08.11.2023. Hence the subject was taken up for discussion in the 677th meeting of Authority held on 01.12.2023. The Authority noted that the PP has informed that the works assigned under ecological damage, natural resource augmentation and community resource augmentation will be carried out till the period upto 2026. Hence the Authority decided to refer back the subject to SEAC for furnishing remarks.

Hence the subject was taken up for discussion in this 440th meeting of SEAC held on 11.01.2024. During presentation the PP informed that,

1. Based on the recommendations in 643rd SEIAA minutes of meeting dated August 01, 2023, Cognizant submitted a letter CTS/CHN/TBM/MEPZ- MOEF/934 dated November 06, 2023, for the following:
 - Proof of Bank guarantee submission
 - Status of credible action
 - Implementation plan for Natural Resources Augmentation, Community Resource Augmentation & Ecological Damage Remediation for a period extending upto 3 years, against the 6 months as mentioned in the 643rd SEIAA minutes of meeting. The extended timeline of 3 years was proposed


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to allow time for identification of projects that would maximise the impact on society and environment & for obtaining approvals from government authorities to execute such projects.

2. We are also working on submission of demand draft of INR 70 lakhs (Rupees Seventy Lacs/-) to the beneficiary (GHTM Welfare Society) towards CER


3. We will strive to implement the projects within the current calendar year. We request you to extend the implementation timeline until December 31, 2024, to comply with the recommendations of 643rd SEIAA minutes of the meeting.

The PP further requested that,

- Release of regularized Environment Clearance after the demand draft on CER is submitted to the beneficiary.
- Extension of timeline until December 31, 2024, for implementation of Ecological Damage Remediation Plan, Natural Resource Augmentation Plan & Community Resource Augmentation

S. No	Category	Activities	Budget (Lakhs)	Timeline Recommended by SEIAA at 643 meeting	Target Completion Date requested by proponent
1	Corporate Environment Responsibility (CER)	Demand draft Submission to beneficiary (Govt Hospital for Thoracic Medicine, Tambaram)	70	No timeline given	1 February 2024
2	Community Resource Augmentation plan	Retrofitting of 10 Watts at Govt Hospital for Thoracic Medicine, Tambaram	134.5	Six Months	30 August 2024
3	Natural Resources	Native Forest (5400	56.95	Six Months	30 August 2024


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Augmentation and Ecological Damage Remediation Plan	Saplings), Sholinganallur			
	Urban Forest (20000 Saplings), Madambakkam	116.38	Six Months	30 August 2024
	Restoring Pond of 6.5 acres, Erikarai Pond	65.62	Six Months	31 December 2024
	Rejuvenation of Pond, Sethupakkam	46.30	Six Months	31 December 2024
	Rejuvenation of Pond, Thangal	27.32	Six Months	31 December 2024
	Wetland restoration, Ennore	58.63	Six Months	31 December 2024

The Committee held detailed discussions and decided to accept the above request of the PP and to extend the timeline for completion of the works tabulated above until December 31, 2024. All the other conditions stipulated in the minutes of 393rd meeting of SEAC held on 20.07.2023 remain unaltered.

Agenda No. 440 – 16

(File No. 8508/2021)

Proposed Black Granite quarry lease area over an extent of 1.22.0Ha at S.F. No: 222/1B(P), 225/1B(P) & 225/2(P) of Athipakkam Village, Vandavasi Taluk, Thiruvannamali District Tamil Nadu by Thiru.A.Gunasekaran- For Environmental Clearance. (SIA/TN/MIN/207376/2021, dated: 31.03.2021)

The proposal was earlier placed for appraisal in the 231st meeting of SEAC held on 03.09.2021. The details of the project furnished by the proponent are given in the website (Parivesh.nic.in). The SEAC noted the following:


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1. The project proponent, Thiru. A. Gunasekaran, has applied for Environmental Clearance for the proposed Black Granite quarry lease area over an extent of 1.22.0Ha at S.F.No222/1B(P), 225/1B(P) & 225/2(P) of Athipakkam Village, Vandavasi Taluk, Thiruvannamali 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 as amended.
3. The production for the five years states that the total quantity of recoverable as 8586 cu.m of Black Granite & 150 cu.m of Topsoil and the ultimate depth of mining is 23m.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of issue of Environmental Clearance subject to the conditions stated therein.

Subsequently the subject was placed in the 468th meeting of SEIAA held on 11.10.2021 & 12.10.2021. After detailed discussion, the Authority noted as follows:

1. The project proponent, Thiru.A.Gunasekaran, has applied for Environmental Clearance for the proposed Black Granite quarry lease area over an extent of 1.22.0Ha at S.F.No222/1B(P), 225/1B(P) & 225/2(P) of Athipakkam Village, Vandavasi Taluk, Thiruvannamalai 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 as amended.
3. In the 231st meeting of SEAC held on 03.09.2021, the SEAC has recommended the proposal for grant of Environmental Clearance subject to the following conditions among others.

The production for the five years states that the total quantity of recoverable as 8586 cu.m of Black Granite & 150 cu.m of Topsoil and the ultimate depth of mining is 23m.

4. On verifying the second scheme of mining plan, the proposed quantity indicates only 4558cu.m of Black Granite (20% recovery) for the five years (from 2018-19 to 2022-23), whereas in the minutes of 231st meeting of SEAC held on


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03.09.2021, it is mentioned as 8586 cu.m of Black Granite. Where in, already 3 years are completed (from 2018-2021).

5. The project proponent has furnished second scheme of mining which is approved for the period 2018-2023(30.03.2023). The total quantity of black granite (20% recovery) is indicated as 4558 m³ for five years period. Whereas project proponent has applied on 07.04.2021. The detail of quarrying already done for three years period is not mentioned.

In view of the above, the Authority decided to refer back the proposal to the SEAC for re-examining the proposal in view of the reasons stated above and furnish the recommendations with above details for further course of action.

Hence the proposal was placed in the 241th meeting of SEAC held on 03.11.2021. The SEAC has noted the remarks & decision of refer back by SEIAA. The SEAC has noted that the following

- Proponent has obtained mining lease granted vide proceeding No G.O. (3D) No. 11 Industries (MME1) Department dated: 05.03.2008 for the lease period 31.03.2008 to 30.03.2028.
- Subsequently obtained EC for first scheme of mining Dt: 08.08.2016 valid for 5 years for 4415 cu.m of Black granite & depth of 18m (existing pit dimensions - 95L x82W x 16D).
- Second Scheme has been approved by the Director, Directorate of Geology and Mining, Guindy I.E, Chennai Dated 11.12.2020 for the period of 2018-19 to 2022-23.
- Now the project proponent has applied for Environmental Clearance for the proposed black granite quarry lease area over an extent of 1.22.0Ha at S.F.No 222/1B(P), 225/1B(P) & 225/2(P) of Athipakkam Village, Vandavasi Taluk, Thiruvannamali District, Tamil Nadu for the total production for the period of five years is 20% recoverable as 4558 cu.m of Black Granite &150 cu.m of Topsoil and the ultimate depth of mining is 23m.

Also, SEIAA has stated that, while the project proponent applied on 07.04.2021, the details of quarrying already done for three -year period is not mentioned. In view of


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the above, SEAC noted that these matters are not brought to the notice of SEAC by SEIAA office during appraisal so that committee shall make precise decision. Hence, the project proponent may be called for appraisal in any one of the forthcoming meetings, considering the above issue raised after getting due clarification letter from AD/DD, Geology & Mining, Tiruvannamalai District.

Meanwhile the proposal was taken up for discussion in the 424th part-2 meeting of SEAC held on 18.11.2023. The SEAC observed the MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, states that,

".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid... "

SEAC further noted that as per amendment to EIA Notification 2006 issued by MoEF & CC vide S.O. No. 1807(E) dated 12.04.2022 with regard to validity of Environment Clearance,

(iv) The prior Environmental Clearance granted for mining projects shall be valid for the project life as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier:

Provided that the period of validity of Environmental Clearance with respect to projects or activities included in this sub-paragraph may be extended by another twenty years, beyond thirty years, subject to the condition that the adequacy of the existing environmental safeguards laid down in the existing Environmental Clearance shall be examined by concerned Expert Appraisal Committee every five years beyond thirty years, on receipt of such application in the laid down proforma from the Project Proponent within the maximum validity period of Environmental Clearance of thirty years, and subsequently on receipt of such application in the laid down proforma from the Project Proponent within the validity period of the extended Environment Clearance, every five years for


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incorporating such additional environment safeguards in the Environmental Management Plan , as may be deemed necessary, till the validity of the mining lease or end of life of mine or fifty years, whichever is earlier.”;

(b) for the brackets, figures and words “(iii) Where the application for extension under sub-paragraphs (i) and (ii) has been filed”, the following shall be substituted, namely: -

“(v) Where the application for extension under sub-paragraphs (ii), (iii) and (iv) has been filed in the laid down proforma”.

In view of the above, the SEAC decided to confirm that the Environment Clearance issued vide SEIAA Lr. No. SEIAA-TN/F.No.5186/EC/ 1(a)/EC.No.3689/2016, dated: 08.08.2016 is valid for the project life as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.

Subsequently the subject was placed in the 682nd meeting of Authority held on 20.12.2023. The Authority noted that the subject was placed in the 424th (Part-2) meeting of SEAC held on 18.11.2023 and the SEAC has minuted among other things that,

SEAC decided to confirm that the Environment Clearance issued vide SEIAA Lr. No. SEIAA-TN/F.No.5186/EC/ 1(a)/EC.No.3689/2016, dated: 08.08.2016 is valid for the project life as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.

After detailed discussions, the Authority decided to call for the following additional details from the PP:

1. Certified compliance report for the existing quarry obtained from competent authority.
2. Valid scheme of mining for the proposed operation duly approved by the Competent Authority.

On receipt of the same the subject may be referred back to SEAC for furnishing remarks on the following:


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On the last page of the PPT furnished by the PP, the PP has requested for withdrawal of the application filed seeking Environmental Clearance for the project.

Hence the proposal was taken up for discussion in this 440th meeting of SEAC held on 11.01.2024. The Project Proponent informed the Committee that he wanted to withdraw the application earlier as the application was pending for long. However now the PP has requested for additional time to submit the requisite documents as the process for obtaining the certified compliance report and getting the scheme of mining approval is under process. Hence the Committee decided to defer the subject to later date.

Agenda No: 440 - 17

(File No: 10255/2023)


Proposed Gravel quarry lease over an extent of 2.47.0 Ha at S.F.Nos. 85/4 and 85/5A of Malaikandan village, Karaikudi Taluk, Sivagangai District, Tamil Nadu by Thiru. R.Suresh Kumar- For Environment Clearance. (SIA/TN/MIN/437583/2023 dt: 22/07/2023)

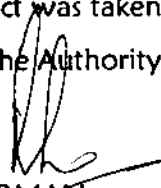
The proposal was earlier placed in the 412th meeting of SEAC held on 29.09.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project subject to the conditions stated therein.

Subsequently the subject was placed in the 664th meeting of Authority held on 25.10.2023. After detailed discussions, the Authority decided to calling for the following additional particulars from the PP:

1. KML file reveals there is intensive agriculture surrounding the proposed project site which will be impacted by the proposed mining activity. Hence the PP shall furnish the letter obtained from the Director, Department of Agriculture stating the productivity status and productive potential of the proposed mine lease area.
2. PP shall elaborate the "own purpose" for mining Gravel.

The PP furnished the reply vide letter dated 07.12.2023. Hence the subject was taken up for discussion in the 680th meeting of Authority held on 18.12.2023. The Authority


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noted that the PP has furnished the following reply among other things:

SEIAA Query	PP's reply
PP shall elaborate the "own purpose" for mining Gravel.	As mentioned in page No.92 of PFR, 29 of Form - 1, 12 of form -1 M "the excavated Gravel will be used for construction industries for Government & Public sector projects besides catering domestic housing and infrastructure projects" and not used for own purpose. In case anywhere in the report submitted by us if it is mentioned as "own Purpose", I would like to humbly submit that it is a mistake and may please be ignored.

After detailed discussions, the Authority decided to refer back the subject to SEAC for furnishing remarks on the above reply of PP.

Hence the subject was taken up for discussion in this 440th meeting of SEAC held on 11.01.2024. The PP furnished the following reply:

SEAC carefully examined the reply furnished by the PP and decided to remove the following condition stipulated in the minutes of 412th meeting of SEAC held on 29.09.2023. The SEAC further decided to reiterate the recommendations already made in the 412th meeting of SEAC held on 29.09.2023. All the other conditions remain unaltered.

Agenda No: 440 - 18

(File No.9420/2022)

Proposed Construction of High Rise Residential Building at S.F.No. 108B/2, 109/1, 109/2, 109/4A3, 109/4A4, 111/1C1A, 111/1C1B, 112/1, 112/2, 112/4, 112/5, 113/1, 113/2, 113/3, 114/2, 114/3A, 114/3B, 114/3C, 114/4, 114/5, 114/6, 114/7, 115/1, 115/2, 115/3, 115/4, 116, 117/1, 117/2, 117/3, 117/4, 117/5, 117/6, 120/1, 121/2, 122/1A, 122/1B, 122/2, 123/1, 123/2, 123/3, 123/4, 123/5, 123/6, 123/7, 124/2, 124/3, 124/4, 124/5, 125/1A, 125/1B, 125/2A, 125/2B, 126, 127/1, 127/2, 127/3A, 127/3B, 128/1, 128/2, 128/3, 128/4, 128/5, 129/1, 129/2, 130/1, 130/2A, 130/2B1, 130/2B2, 130/3, 130/4, 131, 132/2A, 132/2B, 133/1, 133/2, 134/1, 134/2A, 134/2B, 134/2C, 136/1 & 136/2 Melakottaiyur


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Village, Vandalur Taluk, Chengalpet District, Tamilnadu by M/s. Casagrand Magnum private limited - For amendment in Environmental Clearance issued. (SIA/TN/MIS/306487/2023 dated.17.11.2023)


The proposal was placed for appraisal in the 440th Meeting of SEAC held on 11.01.2024. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, **M/s. Casagrand Magnum private limited** has applied For **amendment in Environmental Clearance issued** for the Proposed Construction of High Rise Residential Building at S.F.No. 108B/2, 109/1, 109/2, 109/4A3, 109/4A4, 111/1C1A, 111/1C1B, 112/1, 112/2, 112/4, 112/5, 113/1, 113/2, 113/3, 114/2, 114/3A, 114/3B, 114/3C, 114/4, 114/5, 114/6, 114/7, 115/1, 115/2, 115/3, 115/4, 116, 117/1, 117/2, 117/3, 117/4, 117/5, 117/6, 120/1, 121/2, 122/1A, 122/1B, 122/2, 123/1, 123/2, 123/3, 123/4, 123/5, 123/6, 123/7, 124/2, 124/3, 124/4, 124/5, 125/1A, 125/1B, 125/2A, 125/2B, 126, 127/1, 127/2, 127/3A, 127/3B, 128/1, 128/2, 128/3, 128/4, 128/5, 129/1, 129/2, 130/1, 130/2A, 130/2B1, 130/2B2, 130/3, 130/4, 131, 132/2A, 132/2B, 133/1, 133/2, 134/1, 134/2A, 134/2B, 134/2C, 136/1 & 136/2 Melakottaiyur Village, Vandalur Taluk, Chengalpet District, Tamil Nadu.
2. EC was issued to the project proponent vide Lr. No. SEIAA-TN/F.No.9420/EC. No:926/2023, dated: 03.04.2023 under project category 'B1', Schedule 8(b) of EIA notification, 2006, as amended.
3. Now, the proponent has submitted an application in Form-4 vide Proposal No. SIA/TN/MIS/306487/2023 dated.17.11.2023, seeking amendment in the **total land area, total built-up area, dwelling units, project description, total water requirement, sewage generation, STP capacity, greenbelt, solid waste generation, total project cost, etc.,** mentioned in the EC dated.03.04.2023.

During the presentation, the proponent stated that he has wrongly filed the amendment application instead of applying for fresh ToR and hence requested to withdraw the amendment proposal. The Committee, after deliberations, decided to recommend to


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SEIAA to accept the withdrawal request of the proponent.

Agenda No: 440 - 19

(File No.9376/2022)

Proposed Earth Quarry lease over an extent of 1.45.0 Ha at S.F.No. 43/2 in Kulasekarapatti Village, Tenkasi Taluk, Tenkasi District, Tamil Nadu by Thiru. M. Gandhi Selwyn.

The proposal was placed in the 440th Meeting of SEAC held on 11.01.2024. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, **Thiru. M. Gandhi Selwyn** has submitted an application for the proposed earth quarry lease over an extent of 1.45.0 Ha at S.F.Nos. 43/2 in Kulasekarapatti Village, Tenkasi Taluk, Tenkasi District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

During the meeting, the Committee noted that the proponent/consultant has sent a mail requesting to postpone the meeting. Hence the committee decided to defer the proposal.

Agenda No: 440-20

(File No: 10104/2023)


Proposed Rough stone quarry lease over an extent of 1.50.0Ha at SF.No. 63(Part) of Kondappanayanapalli Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. R. Arunan - For Environmental Clearance. (SIA/TN/MIN/432287/2023, Dated:05.06.2023)

The proposal was placed in 440th meeting of SEAC held on 11.01.2024. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. R. Arunan has applied for Environmental Clearance for the Proposed Rough stone quarry lease over an extent of 1.50.0Ha at SF. No. 63(Part) of Kondappanayanapalli Village, Krishnagiri Taluk,


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Krishnagiri District, Tamil Nadu.

2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier EC Issued by DEIAA Vide – Lr.No.03/DEIAA-KGL/EC.No.71/2018 dated:27.08.2018.

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

1. The PP shall submit Certified Compliance Report obtained from the office of the concerned DEE/TNPCB (or) IRO, MoEF & CC, Chennai and the PP shall furnish appropriate mitigating measures for the non-compliance items, if any.
2. The PP shall furnish revised mining plan for the bench geometry in accordance with the Reg. 106 of MMR 1961.
3. The PP shall study the impact of mining on ground water and provide the measures for water management.
4. The proponent shall enumerate on the details of the structures located within 100m, 200m, 300m radius from the proposed mine lease area indicating the type of structure/building, usage/purposes of such building – commercial/industrial/residential/farm house/Govt. building such as Sub-station, occupants of such buildings/structures, ownership of the buildings/structures-whether it belongs to the PP (or) not, etc.
5. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit as recommended in the DGMS Circular, 11/1959 and shall furnish the details of the photographs/map showing the same and the tree plantation completion work as committed earlier.

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

Agenda No: 440 - 21

(File No: 7139/2019)


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Proposed Red Earth quarry lease over an extent of 1.46.0Ha at SF. No. 60/3 of Kondalankuppam Village, Vanur Taluk, Villupuram District, Tamil Nadu by Thiru. N. Hariramanchandran - For Terms of Reference withdraw. (SIA/TN/MIN/42635/2019, Dated 10.09.2019)

The proposal was placed in the 683rd Authority meeting held on 21.12.2023. The authority noted that the proponent has made request to surrender the ToR issued vide Lr.No.SEIAA-TN/F.No.7139/SEAC/ToR-784/2020 dated 06.10.2020 and also the PP made request to withdraw the 2 proposals SIA/TN/MIN/42635/2019 dated 10.09.2019 and SIA/TN/MIN/49476/2020 dated 06.01.2020.

In the view of the above, Authority after detailed deliberation decided to forward the proponent's request to SEAC.

Now the proposal was placed in 440th SEAC Meeting held on 11.01.2024. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. N. Hariramanchandran has requested for withdrawal of Terms of Reference for the Proposed Red Earth quarry lease over an extent of 1.46.0Ha at S.F.No. 60/3 of Kondalankuppam Village, Vanur Taluk, Villupuram District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, ToR was issued vide Lr.No.SEIAA-TN/F.No.7139/SEAC/ToR-784/2020, Dated 06.10.2020.

Based on the presentation and documents furnished by the project proponent, the Committee decided to recommend to SEIAA to accept the withdrawal request of 2 proposals and surrender of ToR request made by the PP.

Agenda No: 440-22

(File No: 494/2012)

Proposed construction of IT Park-Phase II at S.F.No. 240 (p) of Siruseri Village and S.F.No. 117 (p) of Kazhipattur Village, Thiruporur Taluk (Previously Chengalpattu Taluk), Chengalpattu District (Previously Kancheepuram District), Tamil Nadu by


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M/s. Syntel International Pvt. Ltd. – For Extension of validity of Environmental Clearance. (SIA/TN/MIS/306525/2023, dated: 18.11.2023)

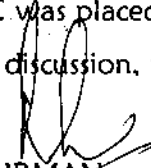
The proposal was placed in this 440th meeting of SEAC held on 11.01.2024. The Project Proponent made a detailed presentation on the proposed project. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). **The SEAC noted the following:**

1. The proponent M/s. Syntel International Pvt. Ltd. has obtained Environmental Clearance vide Letter No. SEIAA/TN/F.494/EC/8(b)/243/2012 dt: 06.02.2014 for the Proposed construction of IT Park-Phase II at S.F.No. 240 (p) of Siruseri Village and S.F.No. 117 (p) of Kazhipattur Village, Thiruporur Taluk (Previously Chengalpattu Taluk), Chengalpattu District (Previously Kancheepuram District), Tamil Nadu for the total built up area of 2,06,739 Sq.m.
2. Extension of validity of EC was issued vide Letter No. SEIAA-TN/F.494/EC/8(b)/243/EC-Ext/2014 dated: 23.01.2021
3. EC Amendment was issued vide Letter No. SEIAA-TN/F.494/EC/8(b)/243/Amendment/2014 dated: 28.07.2023
4. Now, the proponent has applied for extension of validity of earlier issued EC in Form-6 vide SIA/TN/MIS/306525/2023, dated: 18.11.2023.

As per EC-2014, 1 st EC ext-2021 and EC amendment- 2023	Constructed	Non-Constructed
Built up Area of 2,06,739 Sq.m	1,42,447 Sq.m Phase 1- 74,463 Sq.m [completed and under operation] Phase 2- 67,984 Sq.m [Structural works completed for SDB-4, SDB-5, SDB-6, canteen block, utility block & STP (650 KLD @ H8 plot); Foundation works completed for Tower-1 & Tower-2 blocks]	64,292 Sq.m Phase 1- nil Phase 2- 64,292 Sq.m [Super structure works for Tower-1 & Tower-2 Blocks and STP (150 KLD @ H7 plot)]

5. Earlier, the proposal for extension of validity of earlier issued EC was placed in the 679th Authority meeting held on 13.12.2023. After detailed discussion, the


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authority decided to forward the proposal to SEAC for remarks and recommendations.

6. The proponent had cited the reasons of the outbreak of the Coronavirus (COVID-19) and subsequent lockdowns which had put the construction activity on hold and they were unable to proceed further to complete the construction activity in time.

In the MoEF&CC Notification S.O. 221(E), dated the 18th January, 2021, it is stated that *"...the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearance 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 granted shall be treated as valid..."*.

7. As per MoEF&CC Notification S.O. 1807(E), dated the 12th April 2022, the validity period of EC for projects other than River Valley, Nuclear and Mining Projects, the increased validity is 10 years and further extendable for one year.
8. As per MoEF&CC O. M dated 13th December 2022,

- i. **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) above:**

Provided that the period of validity of Environmental Clearance with respect to the type of Projects and Activities listed at Para 1 above may be extended in respect of valid Environmental Clearance, by the regulatory authority concerned, by a maximum period of years as indicated at Para No. 1 Column (D) above, if an application is made in the laid down proforma to the regulatory authority by the applicant as per the provisions of EIA Notification 2006: Provided further that the regulatory authority may also consult the concerned Expert Appraisal Committee before grant of such extension.

Hence, the SEAC, after detailed discussions, decided to confirm that the **Environmental Clearance issued is valid up to 30.03.2025** as per the aforesaid MoEF Notifications dated 18.01.2021 and 12.04.2022. All the other conditions stipulated in the EG Letter


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No. SEIAA/TN/F.494/EC/8(b)/243/2012 dt: 06.02.2014 remain unaltered.

Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
2. STP shall be installed on 10-year BOOT 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.


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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.
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.

Agenda No: 440-23

(File No: 10287/2023)

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

The proposal was placed for appraisal in this 440th meeting of SEAC held on 11.01.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). **The SEAC noted the following:**

1. The project proponent, M/s. Sri Hill Minerals has applied for Environmental Clearance for the Proposed Quartz and Feldspar quarry lease over an extent of 2.17.5 Ha at S.F.Nos. 826/1B & 826/2 of Kosanam (B) Village, Nambiyur Taluk, Erode District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. As per the precise area communication letter, the lease period is 10 years and mine plan period is 5 years. As per the approved mine plan, the annual peak production shall not exceed 76,024 Ts ROM which includes 72,223 Ts of


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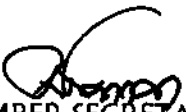
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Recovery (@95%) & 3801 Ts of Mined Waste (@5%) and Recovery of 95% consists of 3611 Ts of Quartz (@5%) & 68,612 Ts of Feldspar (@95%) for an ultimate depth of 29m.

4. Earlier the project proponent has obtained EC from DEIAA vide Lr.No.DEIAA-ERD/F.No.20594/2017/EC.No.(20/2018) dated: 03.10.2018.
5. Earlier, the proposal was placed for appraisal in the 413th meeting of SEAC held on 05.10.2023. Based on the presentation and the documents furnished by the project proponent, the SEAC decided to call for the following details from the project proponent:
 - i) The PP shall obtain Certified Compliance Report (CCR) from Integrated Regional Office, MoEF&CC, Chennai for the earlier Environmental Clearance obtained from DEIAA.
6. The proponent vide letter dated 02.11.2023 submitted the Certified Compliance Report (CCR) obtained from Regional Office, MoEF&CC, Chennai vide EP/12.1/2022-23/SEIAA/95/TN/1191 dated 27.10.2023 for the earlier EC issued by DEIAA.
7. Hence, the proposal was placed in the 423rd meeting of SEAC held on 15.11.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal **for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 76,024 Ts ROM by maintaining the ultimate depth of mining upto 29m** and subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the specific conditions stated therein.
8. Subsequently, the subject was placed in the 678th Authority meeting held on 11.12.2023 & 12.12.2023. The Authority noted that the subject was appraised in the 423rd SEAC meeting held on 15.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.

The Authority further noted as follows:


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- i. Based on the details furnished by the proponent, the water table is mentioned as 30m and the depth of mining is 29m which is close to water table whether there will be any impact on the water table due to the said mining activity.
- ii. On review of the KML file, 2 structures are located within a radius of 8m and 22m from the boundary of the said quarry. What will be the impact on the structures located close to the said quarry boundary since blasting is carried out in the mining activity.
- iii. On review of the KML file, village road is located adjacent to the said quarry boundary. What will be the impact on the transport of vehicle due to said quarrying activity since blasting is carried out in the mining activity.
- iv. On review of the KML file, agricultural activity is carried out within 300m radius of the said quarry boundary. What will be the impact on the agricultural activity due to said quarrying activity since blasting is carried out in the mining activity.

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

Now, this proposal was again placed in this 440th meeting of SEAC held on 11.01.2024. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEIAA.


SEIAA Query	Reply
Based on the details furnished by the proponent, the water table is mentioned as 30m and the depth of mining is 29m which is close to water table whether there will be any impact on the water table due to the said mining activity.	The range of Ground water table was submitted as 30 -35m based on the secondary sources on a regional trend and not site specific. Now in order to determine the water table range site specifically we had engaged Government Arts College, Department of Applied Geology, Salem for carrying out an


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	<p>hydrogeological study and the report is enclosed.</p> <p>The recommendations/ conclusion from the study are as below.</p> <p>The water table in the area is 42m bgl observed from the borewell near to the project site</p> <p>And the strike of the deposit is North – South and dipping 80° towards West</p> <p>From the geophysical investigation studies that there is no major intersection of water table upto 50m.</p> <p>It is inferred that due to this shallow mining operation (29m bgl) the ground water table will not get affected. And the proposed depth is well above the water table.</p>
<p>On review of the KML file, 2 structures are located within a radius of 8m and 22m from the boundary of the said quarry. What will be the impact on the structures located close to the said quarry boundary since blasting is carried out in the mining activity.</p>	<p>The structure Noticed as per the SEIAA Query is the Mine office complex which is used for office purpose and Used for Storage of Mine Equipment's and materials.</p> <p>Note: The structures belong to the Project proponent.</p>
<p>On review of the KML file, village road is located adjacent to the said quarry boundary. What will be the impact on the transport of vehicle due to said quarrying activity since blasting is carried out in the mining activity.</p>	<p>It is a small-scale mining operation the total Number of Lorry loads would be around 8 Loads of Feldspar per day and 2-3 loads of Quartz per week</p> <p>Blasting operation will be carried out occasionally using mild explosives only</p>


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	<p>for the heaving effect.</p> <p>Following mitigation measures are addressed in the EMP:</p> <p>NONEL Blasting</p> <p>Controlled blasting techniques (muffle blasting) and the budget is allotted.</p> <p>Specifically considering the road sheet fencing will be erected on the North side and the budget of Rs 3,00,000/- allocated.</p> <p>A safety distance of 10m has been left as per the condition mentioned in the precise area communication letter and the mining plan has been approved.</p>
<p>On review of the KML file, agricultural activity is carried out within 300m radius of the said quarry boundary. What will be the impact on the agricultural activity due to said quarrying activity since blasting is carried out in the mining activity.</p>	<p>The area is surrounded by the seasonal agriculture land. It is a small scale of mining operation involving without major drilling and blasting.</p> <p>Water will be sprinkled in the haul roads and approach roads three times per day.</p> <p>Wet drilling procedure, Muffle blasting, Garland drains and wheel washing systems are addressed in the EMP.</p>

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to reiterate its **recommendation already made in its 423rd SEAC meeting held on 15.11.2023.** All other conditions mentioned in the minutes will remain unchanged and unaltered.


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COMMON MINUTES

The following proposals were placed for appraisal in the **440th Meeting of SEAC held on 11.01.2024**. The project/activity are covered under Category "B1" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006. The following proposal involves mining of limestone which is a Major mineral. Further, the following proposal have been considered together for the same reasons and a final recommendation has been arrived as follows:

1. PART – A – Agenda No. 24 to 32 of this meeting (440th SEAC)
2. PART – B – Agenda No. 33 to 46 of this meeting (440th SEAC)

PART – A

Based on the representation received from the PP/EIA Coordinator, Table Agenda – 01 to 09 of 416th SEAC meeting were again now placed in 440th SEAC meeting held on 11.01.2024.

1. The Committee noted the following representation received from the PP as follows

"The following files are applied for the Environmental Clearance under violation category, the proposals are placed in the 416th SEAC Meeting as Table Agenda and the directions accorded to carry out the public hearing process. We wish to bring to your kind notice that the validity of ToR is expired for the below files. In order to carry out the public hearing process, a Valid ToR is required and hence we request your good office to kindly grant ToR extension to carry out the public hearing process at the earliest..."

S. No.	File No	Name of the proponent	Mineral	ToR Issued	Validity of ToR (Including COVID Extension)	ToR Extension Required
1	6121	M/s. Ragavendra Mines and Minerals	Limestone	10.05.2018	09.05.2023	Further one year
2	6122	E.Dhanapal	Limestone	10.05.2018	09.05.2023	Further one year


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3	6523	M/s. Cem	Janatha	Limestone	16.05.2018	15.05.2023	Further one year
4	6524	M/s. Cem	Janatha	Limestone	16.05.2018	15.05.2023	Further one year
5	6525	M/s. Cem	Janatha	Limestone	16.05.2018	15.05.2023	Further one year
6	6526	M/s. Cem	Janatha	Limestone	16.05.2018	15.05.2023	Further one year
7	6527	M/s. Cem	Janatha	Limestone	16.05.2018	15.05.2023	Further one year
8	6532	M/s. Cem	Janatha	Limestone	16.05.2018	15.05.2023	Further one year
9	6563	M/s. Cem	Janatha	Limestone	10.05.2018	09.05.2023	Further one year

Hence, based on the above representation received from the proponent/EIA Coordinator, all the above-mentioned proposals were placed in 440th SEAC meeting held on 11.01.2024 as follows:

S. No.	440 th SEAC - Agenda No	File No	Online Number	Name of the proponent
1	24	6121	SIA/TN/MIN/417551 /2023, Dated. 09.02.2023	M/s. Ragavendra Mines and Minerals SF. No: 809/2, 3, 4 & 5 (P), Thennilai Village, Kadavur Taluk, Karur District.
2	25	6122	SIA/TN/MIN/417124/2 023, dated: 06.02.2023	E. Dhanapal S.F.No. 806/5 &6, 807/3 Thennilai Village, Kadavur Taluk, Karur District.
3	26	6523	SIA/TN/MIN/418028/2 023, dated 13.02.2023	M/s. Janatha Cem S.F.Nos. 1101/2B, 1101/4, 1101/5, 1101/3B & 1101/6B Thenmalai Village, Sivagiri Taluk, Tirunelveli District


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4	27	6524	SIA/TN/MIN/418136/2 023, Dt.13/02/2023	M/s. Janatha Cem S.F.No.1100/6A, 1100/7, 1100/8, 1102/1 & 1102/2B Thenmalai Village, Sivagiri Taluk, Tirunelveli District.
5	28	6525	SIA/TN/MIN/418775/2 023, Dated. 17.02.2023	M/s. Janatha Cem S.F.No.1100/9,1101/8,1101/9,1101/10,1102 /5C,1103/3A,3B(P)&1104, Thenmalai Village, Sivagiri Taluk, Tirunelveli District.
6	29	6526	SIA/TN/MIN/418598/2 023 dated: 16.02.2023	M/s. Janatha Cem S.F.Nos. 1101/7, 1101/11, 1102/5A1 & 1102/5A2 Thenmalai Village, Sivagiri Taluk, Tirunelveli District.
7	30	6527	SIA/TN/MIN/418598/2 023 dated: 16.02.2023	M/s. Janatha Cem S.F.Nos. 1102/4, 1102/5B, 1102/6, 1102/7 & 1103/3B (Part), Thenmalai village, Sivagiri Taluk, Tirunelveli district.
8	31	6532	SIA/TN/MIN/418647/2 023, Dated. 16.02.2023	M/s. Janatha Cem S.F.No.1100/9, 1101/8,1101/9,1101/10,1102/5C,1103/3A.3 B(P)&1104, Thenmalai Village, Sivagiri Taluk, Tirunelveli District.
9	32	6563	SIA/TN/MIN/419826/2 023, dated: 24.02.2023	M/s. Janatha Cem S.F.Nos.403/1A, 2, 3, 404/1, 2A, 2B1, 2B2, 2B3, 2B4, 405, 406/1, 2, 407/1A, 1B2/1, 1B2/2, 408/1A, 1B, 1C, 2, 3, 409/1, 2A & 2B Abishekapatti Village, Tirunelveli Taluk, Tirunelveli District.

Based on the presentation and documents furnished by the proponent/EIA Coordinator, the Committee noted the following provisions in the EIA Notification/Office Memorandum issued by MoEF&CC from time to time.

- Office Memorandum Dated: 29.08.2017, para (iv) states
"Thus, an outer limit of validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP projects."
- Notification S.O.751 (E) dated.17.02.2020, para (viii) states


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"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."

OBSERVATIONS OF THE COMMITTEE

- (i) The ToR issued, in the all the above cases had already expired in the year 2023, considering the Covid Extension provided by MoEF&CC vide S.O. 221 (E) Dated: 18.01.2021.
- (ii) As per the S.O.751 (E) dated: 17.02.2020, the validity of Terms of Reference issued cannot be more than 4 years and the validity shall be for a period of 4 years from the date of issue.
- (iii) The above-mentioned proposals were earlier placed in 416th SEAC meeting held on 13.10.2023 and committee directed the proponent to conduct the public hearing and submit the minutes of the PH with action plan, for considering the application/proposal towards the grant of EC, since the mineral being a Major mineral falls under B1 category as per EIA Notification, 2006.

CONCLUSION

Considering the EIA Notification, 2006 and Office Memorandum Issued by MoEF&CC, it is evident that

- (1) The validity of Terms of Reference issued shall not exceed 4 years and in all the above-mentioned cases, the time period is beyond 4 years.
- (2) However, the Committee noted that the proposals under discussion falls under violation under 'B1' category, and the proponent has not made any online application in the Parivesh portal for extension of validity of earlier issued Terms of Reference.
- (3) Further, the project/ activity cannot proceed further without EC and in order to regularise the activity, the proposal will have to be considered under violation category.
- (4) Further, the Environmental Clearance under violation category has to be issued


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in accordance with the procedure laid down by MoEF&CC vide Notification S.O. S.O. 804(E)dated: 14.03.2017 & S.O. S.O. 1030 (E) dated: 08.03.2018.

(5) Further, Committee felt that it is due necessary to uphold the spirit of EIA Notification, 2006 vide S.O. 804 (E) Dated: 14.03.2017 & S.O. 1030 (E) Dated: 08.03.2018.

Hence, considering all the above facts and circumstances, the Committee is of the opinion that even though there is no provision to extend the validity of earlier issued Terms of beyond 4 years, in order to proceed further and bring the proponent under the ambit of EIA Notification, 2006 by regularizing the past violations committed, the committee decided that

1. SEIAA may write a letter to TNPCB to consider the above-mentioned cases as a special case and shall be requested to conduct public hearing as per the procedure laid down in EIA Notification, 2006 with the updated baseline data along with EIA Report and the same shall be completed within 1 year from the date of issue of letter.


PART – B

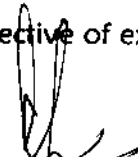
The following proposals were placed in 675th SEIAA meeting held on 22.11.2023.

The Authority noted that, the Committee in its 416th SEAC meeting inter alia had directed the project proponents to conduct Public Hearing, since mining of major minerals falls under 'B1' category irrespective of extent, by quoting relevant Notifications and O. Ms issued by MoEF&CC.

In view of the above, the Authority decided to bring it to the notice of the Committee, wherein the following proposals involving mining of major minerals had been recommended for Environmental Clearance under violation category subject to the conditions stated therein. Subsequently, based on the recommendation of the committee, the proposals had been deferred by Authority for want of additional details from the PP.

However, Authority on perusal of the 416th SEAC meeting minutes and directions given by the committee to the PP, it is evident that the major minerals irrespective of extent


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falls under 'B1' category. Hence, the mining of major mineral by itself will have to be treated as 'B1' category as per EIA Notification, 2006. Hence, all such proposals will have to follow the procedure for activity falling under 'B1' category as laid down in sub para III of para 7 (i) of EIA Notification, 2006.

In the view of the above, the Authority after detailed deliberation and considering the Notifications and O.M.s quoted by the committee in its 416th SEAC meeting minutes, decided to forward/ refer back such proposals to Committee and committee shall examine the following proposals involving quarrying of major mineral with respect to the applicability of Public Hearing and shall furnish its remarks to SEIAA.

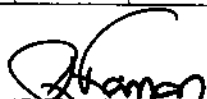
S. No	Offline No.	Online Proposal No.	Description
ToR issued files			
1.	6207	SIA/TN/MIN/27372/2018 Dated.26.07.2017	ToR under violation category issued vide Lr.No. SEIAA-TN.F.No.6207/SEAC/ToR-1406/2023 dated.21.03.2023.
2.	6305	SIA/TN/MIN/27588/2018 Dated.02.05.2017	ToR under violation category issued vide Lr.No. SEIAA-TN.F.No.6305/SEAC/ToR-1404/2023 dated.21.03.2023.
3.	6389	SIA/TN/MIN/25056/2018 Dated.13.04.2018	ToR under violation category issued vide Lr.No.SEIAA-TN/F.No.6389/SEAC/1(a)/ ToR - 1498/2023 dated.22.06.2023.
4.	6324	SIA/TN/MIN/25020/2018 Dt: 13.04.2018	ToR under violation category issued vide Lr. No. SEIAA-TN/F.No. 6324/SEAC/ToR-1401/2023 dated 21.03.2023 granted Terms of Reference (ToR) without Public Hearing under violation category
5.	6349	SIA/TN/MIN/27232/2018 Dated.06.09.2017	ToR under violation category issued vide Lr No. SEIAA-TN/F.No.6349/2017/TOR-1320/2023 Dated: 27.01.2023. (without Public Hearing)


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6.	6358	SIA/TN/MIN/27168/2018 Dated: 11.09.2017	ToR under violation category issued vide Lr.No.SEIAA-TN/F.No.6358/SEAC/ToR-1388/2018 Dated:21.03.2023.
7.	6387	SIA/TN/MIN/27537/2018 Dt: 16.06.2017	ToR under violation category issued vide Lr. No. SEIAA-TN/F.No. 6387/1(a)/ 2018/ SEAC/ ToR-1482 /2023 dated 22.06.2023 granted Terms of Reference (ToR) without Public Hearing under violation category.
8.	6407	SIA/TN/MIN/25095/2018 Dated: 13.04.2018	ToR under violation category issued vide Lr.No.SEIAA-TN/F.No. 6407/SEAC/ToR-1432/2018 Dated:24.04.2023.
9.	6408	SIA/TN/MIN/25079/2018 Dt: 03.04.2018	ToR under violation category issued vide Lr. No. SEIAA-TN/F.No.6408/2018/SEAC/ToR-1484/2023 dated 22.06.2023 granted Terms of Reference (ToR) without Public Hearing under violation category.
10.	6248	SIA/TN/MIN/27376/2018, dated: 25.07.2017	ToR under violation category issued vide Lr. No. SEIAA-TN/F.No.6248/2017/SEAC/ToR-1416/2023 dated 21.03.2023 granted Terms of Reference (ToR) without Public Hearing under violation category.
11.	6388	SIA/TN/MIN/25115/2018, dated: 13.04.2018	ToR under violation category issued vide Lr. No. SEIAA-TN/F.No.6388/ToR-1454/2023 dated: 09.05.2023 granted Terms of Reference (ToR) without Public Hearing under violation category.
12.	6406	SIA/TN/MIN/25037/2018, dated: 13.04.2018	ToR under violation category issued vide Lr. No. SEIAA-TN/F.No.6406/2020/Violation/ToR-1427/2023 dated: 21.04.2023 granted Terms of Reference (ToR) without Public Hearing under violation category.
Files pending at SEIAA for bank guarantee submission			
1	6251	SIA/TN/MIN/23073/2018 Dated.03.04.2018	1) ToR under violation category issued vide Lr No. SEIAA-TN/F.No.6251/ToR-419/2018, dated: 22.05.2018.


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			<p>2) ToR Amendment issued vide Letter No. SEIAA-TN/F – 6251/ SEAC- CXVIII/TOR- 419 (A)/2018 Dt.30.07.2018. (with Public Hearing)</p> <p>3) ToR Extension issued vide Lr. No. SEIAA-TN/F.No. 6251/TOR- 419/A/ dated: 30.10.2021</p> <p>4) ToR Extension issued vide Letter No. SEIAA-TN/F.No.6251/ToR-419/Ext/2018/ dated: 21.12.2022</p>
2	6252	SIA/TN/MIN/27604/2017 Dated.29.04.2017	<p>1) ToR under violation category issued vide Lr No. SEIAA-TN/F.No.6252/ToR-417/2018. dated: 22.05.2018.</p> <p>2) ToR Amendment issued vide Letter No. SEIAA-TN/F – 6251/ SEAC- CXVIII/TOR- 417 (A)/2018 Dt: 30.07.2018. (with Public Hearing)</p> <p>3) ToR Extension issued vide Lr. No. SEIAA-TN/F.No. 6252/TOR- 417/A/ dated: 30.10.2021</p> <p>4) ToR Extension issued vide Letter No. SEIAA-TN/F.No.6252/ToR-417/Ext/2018/ dated: 21.12.2022</p>

Hence, based on the above, all the above-mentioned proposals were placed in 440th SEAC meeting held on 11.01.2024 as follows

I. Terms of Reference under violation category has been issued to the project proponent as mentioned below:

S. No	440 th SEAC - Agenda No	File Number	Online Number	Name of the proponent	Terms of Reference issued
1.	33	6207	SIA/TN/MIN/27372/2018 Dated.26.07.2017	M/s. Sivasakthi Enterprises 188/2(Part), 203/1B...etc Unjanai & Pudupuliampatti	ToR under violation category issued vide Lr.No. SEIAA-TN.F.No.6207/SEAC /ToR-1406/2023 dated.21.03.2023.



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				Tiruchengode Taluk Namakkal District	
2.	34	6305	SIA/TN/MIN/ 27588/2018 Dated.02.05. 2017	Tmt. S. Meena 46/3, 50/3, 50/4B, 50/5A, 50/5B (P) & 51/1 T. Kokkulam Village Thirumangalam Taluk Madurai District	ToR under violation category issued vide Lr.No. SEIAA- TN.F.No.6305/SEAC /ToR-1404/2023 dated.21.03.2023.
3.	36	6324	SIA/TN/MIN/ 25020/2018 Dt: 13.04.2018	Thiru. A. Murugaraj 184/1, 2, 4, 5, 199/1, 200/5A, 6A, 6B, 6C, 201/2B, 5 & 201/6 Thumbakulam Village Thirumangalam Taluk Madurai District	ToR under violation category issued vide Lr. No. SEIAA- TN/F.No. 6324/SEAC/ToR- 1401/2023 dated 21.03.2023 granted Terms of Reference (ToR) without Public Hearing under violation category
4.	37	6349	SIA/TN/MIN/ 27232/2018 Dated.06.09. 2017	Thiru. T.C. Krishnanandham 17/3 Chettichavadi Village Salem Taluk Salem District	ToR under violation category issued vide Lr No. SEIAA- TN/F.No.6349/2017 /TOR-1320/2023 Dated: 27.01.2023. (without Public Hearing)
5	38	6358	SIA/TN/MIN/ 27168/2018 Dated: 11.09.2017	Thiru. C. Ganesh Murthy 81/2A Alambadi Village Vedasandur Taluk DIndigul District	ToR under violation category issued vide Lr.No.SEIAA- TN/F.No.6358/SEAC /ToR-1388/2018 Dated:21.03.2023.


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6.	42	6248	SIA/TN/MIN/ 27376/2018, dated: 25.07.2017	M/s. Sri Ram Chemicals 84/1.etc Varagupadi Village Kunnam Taluk Perambalur District	ToR under violation category issued vide Lr. No. SEIAA- TN/F.No.6248/2017 /SEAC/ToR- 1416/2023 dated 21.03.2023 granted Terms of Reference (ToR) without Public Hearing under violation category.
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Hence, based on the presentation made by the PP/EIA Coordinator and upon the perusal of the Terms of Reference issued for the above-mentioned proposals, committee noted the following.

440th SEAC - Agenda No	File Number	Mines Name	SEAC Condition	As per ToR
33	6207	M/s. Sivasakthi Enterprises 188/2(Part), 203/1B...etc Unjanai & Pudupuliampatti Tiruchengode Taluk Namakkal District	Point No. 1	The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure.
34	6305	Tmt. S. Meena 46/3, 50/3, 50/4B, 50/5A, 50/5B (P) & 51/1 T. Kokkulam Village	Point No. 1	The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal


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		Thirumangalam Taluk Madurai District		will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure.
36	6324	Thiru. A. Murugaraj 184/1. 2. 4. 5. 199/1. 200/5A, 6A. 6B. 6C. 201/2B. 5 & 201/6 Thumbakulam Village Thirumangalam Taluk Madurai District	Point No. 1	The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD. G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure.
37	6349	Thiru. T.C. Krishnanandham 17/3 Chettichavadi Village Salem Taluk Salem District	Point No.3	The applicability of Public Hearing is subject to the cluster area > 5 Ha as per 500m radius letter obtained from AD/DD, Dept. of Geology & Mining in adherence with the MoEF&CC Notification Dt:01.07.2016.
38	6358	Thiru. C. Ganesh Murthy 81/2A Alambadi Village Vedasandur Taluk Dindigul District	Point No. 1	The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD. G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be

				conducted as per the prescribed procedure.
42	6248	M/s. Sri Ram Chemicals 84/1.etc Varagupadi Village Kunnam Taluk Perambalur District	Point No. 1	The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure.

However, the Committee during deliberations noted that limestone being a major mineral, the proposal falls under 'B1' category as per EIA Notification, 2006 & its subsequent amendments. Hence, as per para 7, sub para III stage (3) – Public Consultation, clause (i)

"... All category A or B1 projects or activities must undertake public consultation"

Hence in the view of the above, the Committee decided to amend the earlier issued ToR as follows:

440th SEAC -Agenda No	File Number	SEAC Condition as per ToR	Amendment Issued
33	6207	The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster	The ToR issued is along with Public Hearing. The proponent shall conduct Public Hearing as per the procedures laid down in the EIA Notification, 2006 and its subsequent amendments. The EIA
34	6305		
36	6324		


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38	6358	as defined under the Notification/OM of MoEF&CC, along with EIA	Report shall be submitted along with the minutes of the PH with action plan.
42	6248	Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure	
37	6349	The applicability of Public Hearing is subject to the cluster area > 5 Ha as per 500m radius letter obtained from AD/DD, Dept. of Geology & Mining in adherence with the MoEF&CC Notification Dt:01.07.2016.	

II. Common Minutes pertaining to M/s. Chettinad Cement Corporation Pvt. Limited

Terms of Reference under violation category has been issued to the project proponent as mentioned below

S. No	440th SEAC - Agenda No	File Number	Online Number	Mines Name	Terms of Reference issued
1.	35	6389	SIA/TN/MIN/25 056/2018 Dated.13.04.201 8	Nakkambadi Village, Sendurai Taluk, Ariyalur District	SEIAA- TN/F.No.6389/SEAC/1(a)T OR1498/2023 Dt 22.06.2023
2.	39	6387	SIA/TN/MIN/27 537/2018 Dt: 16.06.2017	Pudupalayam & Edayathankudi Ariyalur	SEIAA- TN/F.No.6387/SEAC/1(a)T OR1482/2023 Dt 22.06.2023

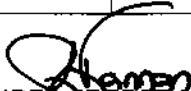

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3.	40	6407	SIA/TN/MIN/25 095/2018 Dated: 13.04.2018	Kallankurichi village Ariyalur Taluk Ariyalur District	SEIAA- TN/F.No.6407/SEAC/TOR -1432/2018 Dt 24.04.2023
4.	41	6408	SIA/TN/MIN/2 5079/2018 Dt: 03.04.2018	Aminabad Ariyalur	SEIAA- TN/F.No.6408/2018/SEAC /TOR1484/2023 Dt 22.06.2023
5	43	6388	SIA/TN/MIN/25 115/2018, dated: 13.04.2018	Karuppur Senapathy, Ariyalur	SEIAA- TN/F.No.6388/TOR- 1454/2023 Dt 09.05.2023
6.	44	6406	SIA/TN/MIN/25 037/2018, dated: 13.04.2018	Olaipadi (West) Village Kunnam Taluk Perambalur District	SEIAA- TN/F.No.6406/2020/Viol ation/ /TOR1427/2023 Dt 24.04.2023

Based on the presentation and documents furnished by the proponent, committee noted the reply submitted by the PP as follows

440th SEAC - Agenda No	File Number	Mines Name	Extent (In Ha)	Mine Status	Final Mine Closure Plan (FMCP)
35	6389	Nakkambadi Village, Sendurai Taluk, Ariyalur District	4.99.5	Not in operation and not proposed to operate and the FMCP duly approved by the IBM.	TN/ANR/LST/ROMPI46 1.MSDS(FMCP) Dt.02.02.2023
39	6387	Pudupalayam & Edayathankudi Ariyalur	4.95.0		TN/ANR/LST/ROMPI46 2.MSDS(FMCP) Dt.31.03.2023
40	6407	Kallankurichi village Ariyalur Taluk Ariyalur District	4.92.5		TN/ANR/LST/ROMPI45 9.MSDS(FMCP) Dt.31.01.2023
41	6408	Aminabad Ariyalur	4.94.5		TN/ANR/LST/ROMPI46 3.MSDS(FMCP) Dt.30.03.2023
43	6388	Karuppur Senapathy, Ariyalur	4.00.0		TN/ANR/LST/ROMPI46 0.MSDS(FMCP) Dt.30.01.2023


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44	6406	Olaipadi (West) Village Kunnam Taluk Perambalur District	4.98.0		TN/ANR/LST/MP- 1997.MSDS(FMCP) Dt.13.09.2023
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"...that all these mines are not in operation and not proposed to operate as we obtained Final Closure from IBM. Now we are conducting the Ecological damage assessment for those mines...

.... Since no further mining is proposed in these 6 leases and also Final Mine Closure Plan (FMCP) is prepared and got approved from IBM – Chennai, we request you to exempt us from public hearing and reiterate the earlier violation ToR issued to us..."

The Committee during deliberations, noted that the proponent does not wish to carry out any further mining activity in the proposed area and the mine will be closed in accordance with law and the lease surrendered to the Competent Authority for further course of action.

In this regard, the SEAC decided to re-iterate the ToR issued earlier without Public Hearing for the above-mentioned proposals remains unaltered.

III. Common Minutes pertaining to files pending at SEIAA for bank guarantee submission

Based on the presentation and documents furnished by the proponent, Committee noted the following

1. Earlier decision taken by SEAC in its 392nd SEAC meeting held on 14.07.2023 for the EIA report submitted by the PP based on ToR issued under violation category with PH as follows

S. No	440 th SEAC - Agenda No.	File Number	Online Number (EIA Report)	Name of the proponent	Terms of Reference Issued	Earlier decision taken by SEAC in its 392 nd SEAC meeting held on 14.07.2023.
1.	45	6251	SIA/TN/M IN/419011 /2023,	M/s. Sivam Mines	Lr No. SEIAA-TN/F.No.6	SEAC decided to recommend


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			Dt.20/02/2023	S.F. No. 693/1,2,3,4 & 7, Sirungudi Village, Natham Taluk, Dindigul District	251/ToR-419/2018, dated: 22.05.2018	grant of Environmental Clearance for Mining of Limestone subject to the conditions stated therein
2.	46	6252	SIA/TN/MIN/42132 6/2023, Dated. 08.03.2023	M/s. Sivam Mines S.F.No.630 /1A, 1B, 2, 631/10 & 631/11 Sirungudi Village, Natham Taluk, Dindigul District	Lr.No. SEIAA-TN/F.No.6 252/TOR-417/2018 Dated: 22.05.2018	

2. Validity of earlier issued Terms of Reference

S. No	440 th SEAC Agenda No.	File Number	ToR issued date	Validity of ToR (Including COVID Extension)	ToR Validity as on date (11.01.2024)
1.	45	6251	22.05.2018	21.05.2023	Expired
2.	46	6252	22.05.2018	21.05.2023	Expired

In the view of the above facts, committee noted the provisions contained in the EIA Notification/Office Memorandum issued by MoEF&CC from time to time.

- Office Memorandum Dated: 29.08.2017, para (iv) states
"Thus, an outer limit of validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP projects."
- Notification S.O.751 (E) dated.17.02.2020, para (viii) states
"The Terms of Reference for the projects or activities except for River valley


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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."

OBSERVATIONS OF THE COMMITTEE

- (i) The above-mentioned proposals were earlier placed in 392nd SEAC meeting held on 14.07.2023 and SEAC decided to recommend grant of Environmental Clearance for Mining of Limestone subject to the conditions stated therein.
- (ii) Subsequently, based on the above recommendation, the above-mentioned proposals were placed in 642nd SEIAA meeting held on 31.07.2023 and SEIAA had directed the respective proponents to submit the following
 - (a) To remit the Damage assessment cost made by the committee for the respective proposals in the form of Bank Guarantee.
 - (b) Proof for the action taken by the State Government/TNPCB under section 19.
 - (c) Penalty remitted to Dept. of Geology & Mining
- (iii) The ToR issued, in the above-mentioned cases had already expired in the year 2023, considering the Covid Extension provided by MoEF&CC vide S.O. 221 (E) Dated: 18.01.2021.
- (iv) As per the S.O.751 (E) dated: 17.02.2020, the validity of Terms of Reference issued cannot be more than 4 years and the validity has to be 4 years from the date of issue.
- (v) However, the Committee noted that the proposals under discussion falls under violation under 'B1' category, and the proponent has not made any online application in the Parivesh portal for extension of validity of earlier issued Terms of Reference.
- (vi) Further, the project/ activity cannot proceed further without EC and in order to regularise the activity, the proposal will have to be considered under violation category.


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(vii) Further, the Environmental Clearance under violation category has to be issued in accordance with the procedure laid down by MoEF&CC vide Notification S.O. S.O. 804(E) dated: 14.03.2017 & S.O. S.O. 1030 (E) dated: 08.03.2018.

(viii) Further, Committee felt that it is due necessary to uphold the spirit of EIA Notification, 2006 vide S.O. 804 (E) Dated: 14.03.2017 & S.O. 1030 (E) Dated: 08.03.2018.

Hence, considering all the above facts and circumstances, committee decided as follows

A. As the mineral involved in mining is a major mineral, EIA report should have been submitted with Public hearing as per the Terms of Reference issued earlier as mentioned above. However, it has been observed that the proponent and EIA Coordinator has submitted the EIA report without conducting public hearing.

Hence, SEAC decided to modify the earlier recommendation made by the committee in its 392nd SEAC meeting held on 14.07.2023 as under:

1. Project proponent and the EIA Coordinator must submit an explanation for submitting the EIA report without conducting Public hearing.
2. The PP should complete the Public hearing and rework the remediation plan as per CPCB guidelines and resubmit the documents.

Upon the receipt of the above details, further deliberation shall be done.

B. Even though there is no provision to extend the validity of earlier issued Terms of Reference beyond 4 years, in order to proceed further and bring the proponent under the ambit of EIA Notification, 2006 by regularizing the past violations committed, the committee decided that

1. SEIAA may write a letter to TNPCB to consider the above-mentioned cases as a special case and shall be requested to conduct public hearing as per the procedure laid down in EIA Notification, 2006 with the updated baseline data along with EIA Report and the same shall be


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completed within one year from the date of issue of letter.

Agenda No: 440-48

(File No: 10563/2023)

Existing Pudupalayam Limestone Mining Lease over an Extent of 49.28.50 Ha located at S.F.No 146/2, 146/3, 146/4B, 146/5, 146/6A, 146/6B, 146/7, 146/8, 146/9, 146/10, 146/11, 146/12, 146/13, 146/14, 146/15, 146/16, 146/17, 146/18A, 146/18B1, 146/18B2, 146/19A, 146/19B, 146/20, 146/21, 146/22, 147/1, 147/2, 147/3, 147/7, 147/8, 147/9, 147/10, 147/11, 147/12B, 147/14, 147/15A, 147/16A, 147/16C, 147/16D, 147/17, 147/18, 147/19A, 147/20A, 147/20B, 148/3, 148/4, 148/5, 148/7, 148/9, 148/10, 148/11, 148/12A, 148/12B, 148/13, 148/15, 148/16B, 148/19, 148/20, 148/21B, 148/21D, 148/21C, 148/21E, 148/21F, 148/21H, 148/21I, 148/21J, 149/1D, 149/2D, 149/3, 149/4, 149/5, 149/10, 149/11, 149/12, 149/14, 149/15, 149/16, 149/17, 149/18, 149/19, 149/20, 149/21, 149/22, 149/23, 149/24, 150/1, 150/2, 150/3A, 150/3B, 150/4, 150/5, 150/6, 150/7, 150/8, 150/9, 150/10, 150/11, 150/12, 150/13, 150/14, 150/15, 150/16A, 150/16B, 151/2, 151/3, 151/4, 151/5, 151/6, 151/7A, 151/7B, 151/7C, 151/7D, 151/8, 151/9, 151/10A, 151/10B, 151/11, 152/1A, 152/1B, 152/1C, 152/1D, 152/2A, 152/2B, 152/3, 152/4, 152/5A, 152/5B, 152/6A, 152/6B, 152/6C, 152/7, 152/8A, 152/8B, 152/8C, 152/8E, 152/8F, 152/8G, 152/8H, 152/8I, 152/8J, 152/8K, 152/8L, 152/8N, 152/8O, 152/8P, 152/8Q, 152/8R, 152/8S, 152/8T, 152/8U, 152/8V, 152/10A, 152/10B, 152/10C, 152/10D, 152/10E, 152/10F, 152/11A, 152/11B, 152/11C, 152/12A, 152/12B, 152/12C, 153/1A1, 153/1A2, 153/1A3, 153/1B, 153/1C1, 153/1C2, 153/1C3, 153/1C4, 153/1C5, 153/1C6, 153/1C7, 153/1C8, 153/2A1, 153/2A2, 153/2A3, 153/2A4, 153/2A5, 153/2A6, 153/2A7, 153/2A8, 153/2A9, 153/2A10, 153/2B, 154/1A, 154/1B, 154/1C, 154/2, 154/3A, 154/3B, 154/4A, 154/4B, 154/5A, 154/5B, 154/5C, 154/5D, 154/6, 154/7, 154/8, 154/9, 154/10, 154/11, 154/12, 154/14, 154/15B1, 154/15B2, 154/16A, 154/16B, 154/17, 154/18, 154/19, 155/1C, 155/2A, 155/2B, 155/3, 155/4A, 155/4B, 155/5, 155/6A, 155/6B, 155/7A, 155/7B, 155/8A, 155/8B, 155/8C, 155/9A, 155/9B, 156/1A, 156/1B, 156/1C, 156/1D, 156/2A, 156/2B, 156/2C, 156/2D, 156/2E, 156/3A, 156/3B, 156/3C, 156/3D, 156/4C, 156/4D, 156/4E, 157/1C, 157/2A, 157/2B, 157/2C, 157/2D, 157/2E, 157/2F, 157/6C, 157/7A, 157/7B, 157/7C of Adanakurichi Village and S.F.No 87/6A, 87/6B,


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87/6C,,87/7, 87/8, 89/1, 89/2A, 89/2B, 89/3A, 89/3B, 89/3C, 89/3D, 89/4, 89/5A, 89/5B, 89/6A, 89/6B, 89/8A, 89/8B, 89/9, 89/10A, 89/10B, 89/10C, 89/10D of Manakudayan Village., Sendurai Taluk, Ariyalur District, Tamil Nadu by M/s. The Ramco Cements Limited - extension of validity of Environmental Clearance.

(SIA/TN/MIN/306615/2023, Dated: 22/11/2023)

The proposal was placed in this 440th meeting of SEAC held on 11.01.2024. The Project Proponent made a detailed presentation on the proposal. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The SEAC noted the following among other things:

1. The Project Proponent, M/s. The Ramco Cements Limited has applied seeking extension of validity of Environmental Clearance for the existing Pudupalayam Limestone Mining Lease over an Extent of 49.28.50 Ha at S.F. No 146/2,3,4B,5,6A,6B,7,8,9,10,11,12,13,14,15,16,17,18A etc. of Adanakurichi Village and 87/6A,6B,6C,7,8 etc. of Manakudayan Village, Sendurai Taluk, Ariyalur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. EC issued vide SEIAA Lr. No. SEIAA-TN/F.No.5262/2018/EC-3992/1(a)/ALR/2019, dated: 07.02.2019 valid upto 06.02.2024 for the production of 4554228 Tonnes of Limestone and 140852 Tonnes of Marl to a depth of 69.5m.
4. Department of Geology & Mining vide letter no Rc.No.583/Mines/2023, dated: 27.10.2023 has furnished the production details as on 30.09.2023 as 587890.14 Tonnes of Limestone and 6812.72 Tonnes of Marl to a depth of 30m.
5. DGMS, Chennai Lr.No. No.362539/SZ/Chennai Region/Perm/2022/238214 dated 19.05.2022
6. IBM vide Lr. No. TN/ALR/LST/MMP/2100.MDS dated 20.11.2023 has issued **modified review of mining plan** and MCP for the period 2023-24 to 2025 -26.
7. CCR obtained from IRO(SZ), MoEF&CC vide Lr. No.EP/12.1/2023-24/SEIAA/107/TN/77 dated 19.01.2024.


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The SEAC observed the MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, states that ".....*the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid...* ".

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

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

During the presentation made by the proponent, the SEAC has observed the following points to fulfil the requirements for consideration of extension of Environmental Clearance (EC):

1. **Subsisting Lease:** The Mining Lease for an extent of 49.28.50 Ha in Adanakurichi, Manakudayan Vilalges, Sendurai Taluk, Ariyalur District granted under Section 10A (2) (c) of Mines & Minerals (Development & Regulation) Amendment Act, 2015 was executed on 11.01.2017 for a period of 50 years and is valid upto 10.01.2067.
2. **Subsisting EC:** The Environmental Clearance for this project was granted by the SEIAA, Tamil Nadu vide SEIAA-TN/F.No.5262/2018/EC-3992/1(a)/ALR/2019, dated: 07.02.2019 is currently existing EC and its validity is upto 06.02.2024 for the production quantity of 4554228 Tonnes of Limestone and 140852 Tonnes of Marl with a peak Production Capacity of ROM of 14,00, 000 (1.40 MTPA of Limestone & Marl) to a depth of 69.5m as per the Approved Mining Plan.


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3. **Subsisting CTO:** The Consent to Operate was obtained from TNPCB vide Consent Order No. 1904228383312, dated. 18.12.2019 under Section 21 of Air Act 1981 and Water Act, 1974 and is now subsequently renewed for a period valid upto 06.02.2024.

Sl. No	Conditions	Compliance
1.	All statutory clearances such as the approvals from PESO, Fire & Rescure Services Dept, HACA, Civil Aviation Department, Forest Conservation Act-1980, Wild Life (Protection) Act-1972, State/Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by the PP from the concerned competent authorities.	The PP has carried out the Hydrological study and also applied to the State Groundwater Authority for obtaining the NOC for mine pit dewatering. The PWD Groundwater Division has given their reply vide Lr. No. DD(G)/OT9/AG3/NOC-Mine Dewatering/2023/ dated. 26.06.2023 stating that "A draft Groundwater and Management Act is under perusal of the Govt. on the enactment of the law, the issuance of the NOC for the Mining Projects will be covered."
2.	A separate Environment and safety management Cell with qualified staff shall be set up for the implementation of the stipulated environmental safeguards.	The PA has formed separate Environment and safety management Cell and it is effectively functioning under the supervision of the Unit Head.
3.	A scientific site /ecological rehabilitation and restoration plan should be drawn to carry out restoration with native species and Biodiversity.	The PP has prepared and submitted the scientific site/ecological rehabilitation and restoration plan to carry out restoration with native species.
4.	As mining operation is carried out by non-explosive techniques such as rock breakers which is bound to produce noise, vibration, a survey has to be undertaken by the reputed institutes.	No drilling and blasting operation are carried out. However, the PP has engaged the Anna University, Chennai for carrying out the Machine Vibration studies.


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5.	Effective water quality management of the surface and ground water quality studies shall be carried out systematically to ensure that the ground water quality is not depleted.	The periodical monitoring of surface water quality and the relevant data submitted to MoEF & CC Regional Office regularly. The result shows that there is no depletion of quality in the ground water table.
6.	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the MoEF & CcC. Gol in advance of one year prior to the final mine closure for approval.	The Progressive Mine Closure Plan is being approved periodically by IBM at present and same is under compliance. However, the final mine closure plan will be prepared one year prior to the final closure with suitable financial provisions for mine closure and the same will be informed to the MoEF & CC.

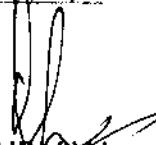
4. **Production Details:** The authenticated production details as on 30.09.2023 obtained from the Department of Geology & Mining vide NOC letter No. Rc. No. 583/Mines/2023, dated. 27.10.2023 is given below:

Environmental Clearance	Permitted Quantity as per Approved mining plan & EC for 5 years period in Ts			Quantity of mineral mined and Transported as on 30.09.2023 in Ts		
	Limestone	Marl	Depth	Limestone	Marl	Depth
Lr.No.SEIAA-TNF.No.5262/2018/EC-3992/1(a)/ALR/2019 dated 07.02.2019.	45,54,228	1,40,852	69.5	5,87,890.14	6,812.72	30

5. **Existing Mining Plan Approval:** Modified Plan for the period of 2023-24 to 2025-26 was approved by the IBM vide letter No. TN/ALR/LST/MMP/2100.MDS, dated. 20.11.2023 and its approved production details as follows:

Year	ROM Production in Ts		
	Limestone	Marl	Total
2023-24	9,58,000	42,000	10,00,000
2024-25	9,58,000	42,000	10,00,000
2025-26	13,58,000	42,000	14,00,000
Total	32,74,000	1,26,000	34,00,000


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From the above Table, it is ascertained that the approved Annual Peak Production Capacity is not exceeding the peak EC quantity of 1.40 MTPA ROM of Limestone & Marl as stipulated in the current EC letter.


6. Certified Compliance Certificate (CCR): The CCR for the existing EC has been obtained from the IRO, MoEF & CC, Chennai and complied the conditions as deliberated during the SEAC meeting including the following significant points:

Besides the above, the SEAC has satisfied with the responses given by the PP on the other environmental factors such as impacts of mining on biodiversity and climate change

Based on the above, the SEAC decided to confirm that the proposal is entitled for 'automatic extension to the respective increased validity' till 06.02.2049 (30 years from 07.02.2019) as per the aforesaid Notification SO 1807 (E) dtd 12.04.2022, issued by the MoEF & CC for the annual peak production of 14,00,000 Tonnes of RoM (Limestone and Marl) as per the modified review of mining plan subject to the following commitment made by the PP.

1. All the other conditions mentioned in SEIAA Lr. Lr. No. SEIAA-TN/F.No.5262/2018/EC-3992/1(a)/ALR/2019, dated: 07.02.2019 remain unaltered.
2. The proposed action plan for green belt development shall be maintained around the periphery of the overall project area and accordingly the plantation shall be carried out.
3. 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.
4. As accepted by the Project Proponent in their letter to the Member Secretary, SEIAA TamilNadu, Chennai 600015, dtd 19.01.2024, the remaining CER cost is **Rs. 31.61 Lakh** and the amount shall be spent for the committed activities as per the schedule during the period of 2024-25 to 2030-31.

Agenda No: 440 – TA-01


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Template for Assessment of Environmental Compensation exclusively in case of those projects or activities which are in violation of EIA Notification, 2006 listed under the Schedule 8 of the said Notification which comprises of 8 (a) – Building & Construction projects and 8 (b) – Townships & Area Development Projects.

The subject was placed in this 440th SEAC Meeting held on 11.01.2024.

The SEAC noted the following:

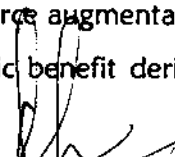
As per EIA Notification, 2006 vide S.O. 1030 (E) Dated: 08.03.2018:

“...In case the projects or activities requiring prior environmental clearance under Environment Impact Assessment 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 environmental clearance, these projects shall be treated as cases of violations and the projects or activities covered under category A of the Schedule to the Environment Impact Assessment Notification, 2006, including expansion and modernization of existing projects or activities and change in product mix, shall be appraised for grant of environmental clearance by the Expert Appraisal Committee in the Ministry and the environmental clearance shall be granted at Central level, and **for category B projects**, the appraisal and approval thereof shall vest with the State or Union territory level Expert Appraisal Committees and State or Union territory Environment Impact Assessment Authorities in different States and Union territories, constituted under sub-section (3) of section 3 of the Environment (Protection) Act, 1986.”

Hence, MoEF&CC vide Notification S.O. 1030 (E) Dated: 08.03.2018 has prescribed the process for appraisal of those projects which are in violation of the EIA Notification, 2006, for category 'B' projects to assess the Environmental Compensation for the violations committed.

In view of the above, SEAC has to assess the Environmental Compensation as the case may be and must stipulate the implementation of Environmental Management Plan, comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived


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due to violation as a condition of Environmental Clearance.

Meanwhile, the committee has been assessing the Environmental Compensation, for those projects or activities which have started their operation or have gone for expansion without obtaining prior EC as per the EIA Notification, 2006 as amended, based on the Methodology prescribed by Central Pollution Control Board (CPCB) as per the Hon'ble NGT, Principal Bench direction in the matter of OA No. 593/2017 (WP (CIVIL) No. 375/2012, Paryavaran Suraksha Samiti & Anr. Vs. Union of India & Ors.

Now, Committee felt that the above Methodology prescribed by Central Pollution Control Board has to be modified exclusively for **those projects or activities which are listed under the Schedule 8 of the said Notification which comprises of 8 (a) – Building & Construction projects and 8 (b) – Townships & Area Development Projects** to assess the Environmental Compensation for the violations committed as per the procedure laid down by MoEF&CC from time to time.

Hence, the committee examined the Modified Methodology suggested by Member, Dr. Kavi Kumar and approved the same for adoption in future in respect of those cases where the application was filed within the window period under violation category as follows

Context:

1. Projects involving the construction and operation of buildings without the requisite Environmental Clearance (EC) will be treated under violation category, and attract penalty. The penalty levied shall be used towards ecological restoration, natural resource and community resource augmentation.
2. CPCB has suggested in a report methodology for assessment of environmental compensation which may be levied or imposed upon industrial establishments who are guilty of violation of environmental laws and have caused damage/degradation/loss to environment.
3. This note suggests suitable amendment to the CPCB methodology so that it can be applied for the construction sector.


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4. The following section discusses the CPCB methodology, and the subsequent section outlines the template for the assessment of penalty in violation cases concerning the construction sector.

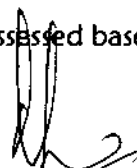
CPCB Methodology:

1. The "Report of the CPCB In-house Committee on Methodology for Assessing Environmental compensation and Action Plan to Utilize the Fund", finalized in the meeting held on 27.03.2019, provides details on the CPCB methodology.
2. It shortlisted the incidents requiring an occasion for determining environmental compensation. Six such incidents, shortlisted, are: "Cases considered for levying Environmental Compensation (EC): a) Discharges in violation of consent conditions, mainly prescribed standards/consent limits. b) Not complying with the directions issued, such as direction for closure due to non-installation of OCEMS, non-adherence to the action plans submitted etc. c) Intentional avoidance of data submission or data manipulation by tampering the Online Continuous Emission / Effluent Monitoring systems. d) Accidental discharges lasting for short durations resulting into damage to the environment. e) Intentional discharges to the environment -- land, water and air resulting into acute injury or damage to the environment. f) Injection of treated/partially treated/ untreated effluents to ground water."
3. For the instances at item (a), (b) and (c), report says that 'Pollution Index' (hereinafter referred to as 'PI') would be used as a basis to levy environmental compensation. CPCB had already published Guidelines categorizing industries into Red, Orange, Green and White, based on the concept of PI. The PI is arrived after considering quantity and quality of emissions/effluents generated, types of hazardous waste generated and consumption of resources. PI of an industrial sector is a numerical number in the range of 0 to 100 and is represented as follows:

PI=f (Water Pollution Score, Air Pollution Score and HW Generation Score).

4. During the Violation Period, impacts on the Environmental Components viz. Air, Water, Land, Biological and Socio-economics Environment are assessed based on


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the norms specified by the **Central Pollution Control Board (CPCB)** to implement **“Polluter Pays” Principle** and to levy Environmental Compensation for Restoration of Environmental Damages.

5. The Environmental Compensation shall be based on the following formula:

$$EC = PI \times N \times R \times S \times LF \quad \text{-- (1)}$$

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.

6. The CPCB methodology further makes the following observations:

- a) The industrial sectors have been categorized into Red, Orange and Green, based on their 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.
- b) N, number of days for which violation took place is the period between the day of violation observed/due date of direction's compliance and the day of compliance verified by CPCB/SPCB/PCC.
- c) R is a factor in Rupees, which may be a minimum of 100 and maximum of 500. It is suggested to consider R as 250, as the Environmental Compensation in cases of violation.
- d) S could be based on small/medium/large industry categorization, which may be 0.5 for micro or small, 1.0 for medium and 1.5 for large units.
- e) LF, could be based on population of the city/town and location of the industrial unit. For the industrial unit located within municipal boundary or up to 10 km distance from the municipal boundary of the city/town, following factors (LF) may be used:


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Sl. No.	Population (In Million)	LF
1	Less than 1	1.0
2	1 to < 5	1.25
3	5 to < 10	1.5
4	10 and above	2.0

- f) For notified Ecologically Sensitive areas, for beginning, LF may be assumed as 2.0. However, for critically Polluted Areas, LF may be explored in future.
- g) In any case, minimum Environmental Compensation shall be ₹ 5000/day.
- h) In order to include deterrent effect for repeated violations, EC may be increased on exponential basis, i.e. by 2 times on 1st repetition, 4 times on 2nd repetition and 8 times on further repetitions.
- i) If the operations of the industry are inevitable and violator continues its operations beyond 3 months then for deterrent compensation, EC may be increased by 2, 4 and 8 times for 2nd, 3rd and 4th quarter, respectively. Even if the operations are inevitable beyond 12 months, violator will not be allowed to operate.
- j) Besides EC, industry may be prosecuted or closure directions may be issued, whenever required. It can be noticed that for all instances, EC for Red, Orange, and Green category of industries varies from 3,750 to 60,000 ₹/day.

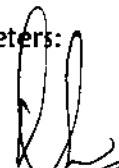
A sample calculation for Environmental Compensation

Industrial Category	Red	Orange	Green
Pollution Index (PI)	60-100	41-59	21-40
Average PI	80	50	30
R-Factor	250		
S-Factor	0.5-1.5		
L-Factor	1.00-2.00		
Environmental Compensation (₹/day)	10,000-60,000	6,250-37,500	5,000-22,500

Modified Methodology for Construction Sector

1. In case of construction sector, the penalty can be levied on the basis of Equation (1) mentioned above with specific values assigned to the parameters:


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- a) PI - The building projects can be considered under orange category (pollution index 41 to 59). The average of the range, viz., 50 can be considered as the applicable PI value.
- b) R - The rupee factor for environmental compensation can be taken as suggested by CPCB as Rs. 250.
- c) LF - The location factor varies from 1.0 to 2.0 as outlined above and will be based on the habitation size in the project proximity.
2. The scale factor (S) in the CPCB formula may be amended to capture the project size (expressed in terms of the built-up area, in square meters) and the extent of violation (i.e., deviation in percentage terms of the built-up area from the approved area). The factor 'S' can take values ranging from 0.25 to 2.0 as suggested below:

Scale Factor (S) based on Project Size and Extent of Violation

Sl. No.	Built-up Area (in m ²)	Extent of Violation ≤ 50%	Extent of Violation > 50%
1	≤ 25,000	0.25	0.50
2	25,000 to 40,000	0.50	0.75
3	40,000 to 70,000	0.75	1.00
4	70,000 to 1,00,000	1.00	1.25
5	1,00,000 to 1,30,000	1.25	1.50
6	1,30,000 to 1,60,000	1.50	1.75
7	≥ 1,60,000	1.75	2.00

3. Based on the parameters, PI, R, LF and S, the applicable penalty per day could be estimated. The number of days of violation will be estimated as the lapsed time in days between the date of assessed by the SEAC as the start date of violation and the date on which SEAC takes up the case for penalty calculation (i.e., after the submission of EIA report by the PP). Multiplying the penalty per day by the number of days of violation gives the Total Penalty.


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ANNEXURE-I

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

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


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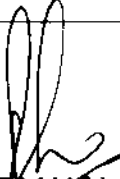
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9. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals.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



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GRAVEL / RED EARTH & PEBBLES QUARRY – GENERAL CONDITIONS

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



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


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14. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
15. The Project Proponent shall comply with the provisions of the Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
16. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
17. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
18. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
19. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
20. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
21. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole

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

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

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




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ROUGH STONE/JELLY/BLUE METAL QUARRY

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


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


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- 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


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houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting.

23) The PP shall also ensure that the blasting operations are not carried out on a 'day after day' basis and a minimum 24 hours break should be observed between blasting days to reduce the environmental impacts effectively.

24) If 'Deep-hole large diameter drilling and blasting' is required, then the PP shall obtain special permission from DGMS.


25) The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.

26) The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.


27) The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan & the approved Mine Closure Plan.

28) Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.

29) The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.


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- 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.


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


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

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


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


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

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


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6. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
7. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall the PP shall carry out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. The PP shall submit a copy of the aforesaid report indicating the stability status of the quarry wall and possible mitigation measures during the time of appraisal for obtaining the EC.
8. However, in case of the fresh/virgin quarries, the Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
9. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
10. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
11. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.


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

19. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of the Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
20. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of groundwater pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds, etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
21. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
22. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
23. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
24. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to

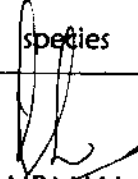

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- encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
25. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
 26. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
 27. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
 28. Impact on local transport infrastructure due to the Project should be indicated.
 29. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
 30. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
 31. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
 32. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The plant species with


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dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

33. Taller/one year old Saplings raised in appropriate size of bags, preferably ecofriendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
34. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
35. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
36. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
37. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
38. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.


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


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Annexure II

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

1. Statutory Compliance:

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


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

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

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

2. Air quality monitoring and preservation:

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

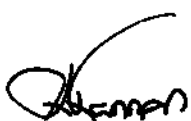
2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.

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

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

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

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


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

3. Water Quality Monitoring and Preservation:

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



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


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- shall be provided. In areas where ground water recharging is not feasible, the rainwater should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharges should be limited to shallow aquifer.
 14. No ground water shall be used during construction phase of the project.
 15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
 16. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).
 17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed into municipal drain.
 18. No sewage or untreated effluent water would be discharged through storm water drains.
 19. Onsite sewage treatment of capacity of treating 100% wastewater to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated wastewater shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
 20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be taken to mitigate the odor problem from STP.


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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 out as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of Half Yearly Compliance Report (HYCR).
3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

5. Energy Conservation Measures:

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


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

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

6. Waste Management:

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


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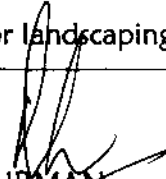

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5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. Any hazardous waste generated during construction phase shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7. Use of environmentally friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.
8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September 1999 and amended from time to time. Ready mixed concrete must be used in building construction.
9. Any wastes from construction and demolition activities related thereto shall be managed to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

7. Green Cover:

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


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

8. Transport:

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


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


9. Human Health Issues:

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

10. Corporate Environment Responsibility:

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


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

11. Miscellaneous:


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


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3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit Half Yearly Compliance Reports (HYCR) on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The project proponent shall inform the Authority (SEIAA) of the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also during their presentation to the State Expert Appraisal Committee.
9. No further expansion or modifications to the plant shall be carried out without prior approval of the Authority (SEIAA).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Authority (SEIAA) may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Authority reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.


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13. The Regional Office of the MoEF&CC Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.


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Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சாடி. ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாளை
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	காட்டுமர
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 swietenia</i>	Purasamaram	பரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallivu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி
18	<i>Creteoa adansonii</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	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகளை
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	ஆயா மரம், ஆயிலி
27	<i>Lansea coromandelica</i>	Odhiam	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்லா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிளிப்பட்டை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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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 பூவரசு
43	<i>Prosopis cinerea</i>	Vanni maram	வன்னி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வெண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	பூவு
47	<i>Puthranjica roxburghii</i>	Kanipala	கறிபலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊதா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிப்புகள் சோபுகையி
50	<i>Saraca asoca</i>	Asoca	அசாகா
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தாள் கொட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாண்ட்ரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வெண் மருது
57	<i>Toona ciliate</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்கரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பாலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்பளி


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Appendix –II

Display Board

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

-----சரங்கம்

சரங்கங்களில் சுவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEAAA/____, தெரிவிப்பட்டு, சுற்றுச்சூழல் அனுமதி _____ தேதி வரை செல்லத்தக்கதாக உள்ளது

பகைம பகுதி வளர்ச்சி மேம்பாட்டுக்கான சரங்கத் திட்டம்	சுவாரியின் எல்லைவாய்ச் சுற்றி வேலி அமைக்க வேண்டும் சரங்கப்பகுதியின் ஆழம் தளமட்டத்திலிருந்து ___ மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். காற்றில் மாக ஏற்படாதவாறு சரங்க பணிகளை மேற்கொள்ள வேண்டும்.
நட்ப்பட்டு பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறைவாக தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும் இளைச்சல் அளவையும் தூசி மாகபாட்டை உடம் குறைப்பதற்காக சுவாரியின் எல்லைவாய் சுற்றி அடர்த்தியான பகைம பகுதியை ஏற்படுத்த வேண்டும்
சரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுறிகள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உண்டிப்பாக செயல்படுத்தப்பட வேண்டும்	
சரங்கத்தில் இருந்து ஏற்படும் இளைச்சல் அளவு 85 டிசிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
சரங்க சட்ட விதிகள் 1988ன் கீழ் சரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதொடு க்காதாரமுள்ள வழிபாறை வசதிகளை செய்ய தர வேண்டும்.	
கிராமம் அல்லது பகுதியை வறியாக வகைகள் செல்லும் சாலைவாய் தொடர்த்து தன்கு பராமரிக்க வேண்டும்.	
சரங்கப்பணிகளால் அருகில் உள்ள விவசாய பணிகள் மற்றும் தீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
தீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்பவம் வகையில் துவத்தி தீரின் தகுதினை தொடர்த்து கண்காணிக்க வேண்டும்.	
சரங்கத்திலிருந்து கனிக பொருட்களை எடுத்துச் செல்லு விராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வகைமை வகைமைகளை இயக்க வேண்டும்.	
சரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சரங்க மூடல் திட்டத்தில் உள்ளவாறு சரங்கத்தினை மூட வேண்டும்.	
சரங்க நடவடிக்கைகளை முடித்தபின்னர் சரங்கப் பகுதி மற்றும் சரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்ய தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகைமப்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாரிவேஷி (http://parisheshi.com) என்கிற இணையதளத்தைப் பார்வைபிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னைபில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளர் அலுவலகம்	


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