

**STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU**

Minutes of 348<sup>TH</sup> meeting of the State Expert Appraisal Committee (SEAC) held on 19.01.2023 (Thursday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, PanagalMaligal, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects

**PART-I**

Agenda No. 348-01


(File No. 1106/2013)

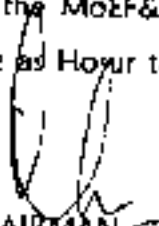
Proposed Black granite quarry over an extent of 1.32.5 Ha in S.F.No. 533/2 of Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - for Environmental Clearance Extension .  
(SIA/TN/MIN/26115/2013 dated 16.05.2018)

Earlier, this proposal was placed in 319<sup>th</sup> Meeting of SEAC held on 12.10.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent M/s. Tamil Nadu Minerals Limited has applied for Environmental Clearance Extension for the proposed Black granite quarry over an extent of 1.32.5 Ha in S.F.No. 533/2 of Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. EC granted vide SEIAA-TN/F.No.1106/EC/1(a)/350/2013, Dated 20.05.2013 for a period of 5 years and was valid up to 19.05.2018.
4. As per mining plan, the lease period is 30 years. The first scheme of mining given in the approved mining plan is for a period of five years & the production should not exceed 1033.815 m<sup>3</sup> of Black granite. The annual peak production 210.75 m<sup>3</sup> of Black granite (2<sup>nd</sup> year).
5. Based on the presentation made by the proponent, SEAC noted that, the quarry operation was carried out until August 2015 and further mining operation was stopped from August 2015 onwards ensuing the MoEF& CC Notification dt.20.08.2014 for obtaining the NBWL clearance as Howur taluk falls under Cauvery North Wild Life Sanctuary (10 Km radius).

  
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6. Now the PP has requested for Extension of EC for the non-operative period of 3 years to extract the remaining quantity as the lease area does not fall under Cauvery North Wild Life Sanctuary Eco sensitive zones as per MoEF&CC Notification dated 01.01.2022.
7. The PP had submitted the copy of letter obtained from the Dy Director (Geology & Mines) for legalized excavation and permits obtained during the EC period.

The proposal was placed before the 319th Meeting of SEAC held on 12.10.2022 and the PP has informed the following.

- The lease is valid is valid from 28.2.2011 to 27.2.2041 as the letter from DD, Dept of geology and Mining, Krishnagiri, dated. 08.05.2018 clearly indicates that,  
".....In the Govt order 3(D) No.17 Ind (MME-I) Dept Dt. 14.2.2011, Tvl TAMILNADU Ltd., were granted a black granite quarrying lease in SF. No. 533/2 over an extent of 132.5 Ha in Karandapalli village, Denkanikottai Taluk, and the period of lease is from 28.2.2011 to 27.2.2041....."
- Due to lack of marketing trend the PP have not operated the mine continuously after having obtained the EC in the year 2013. The quantity of 'recovered saleable ore' depends on many factors such as the geology of the site, physical & geo-mechanical properties of the rock, quarrying technology, market demand etc. Further, the 'Recovery' is difficult to be estimated always precisely due to poor density & thickness of the granite, poor porosity, Visual appearance where it is being observed with dings, dents, scratches or uneven surfaces and however the ROM can easily be quantified at the time of preparation of mining plan.
- However, the PP has obtained the 'Non-Operative Status of the Quarry' & 'Legalized Permit' only to transport the quantity of 4.337m<sup>3</sup> on 12.8.2015 as the letter from DD, Dept of geology and Mining, Krishnagiri dated. 08.05.2018 clearly states that.

S1.No	Details of Amount Remitted	Bulk permit No.	Despatch slip No.	Qty. For permit Issued (in CBM)	Date of issued
1.	Rs. 20,000/- (10.8.2015)	18475	1,2,3	4.337	1.08.2015

- The Cauvery (North) wild life sanctuary is located at a distance of 9.90 km South and Eco-sensitive zone is 2.75km.
- Now, the lease area does not fall under Cauvery North Wild Life Sanctuary Eco sensitive zone as per the recent MoEF&CC Notification dated 01.01.2022.
- The PP has applied for seeking the extension of EC on 16.05.2018 when the validity of the existing EC is scheduled to expire on 19.05.2018 and it means that the PP had applied for seeking the extension of existing EC as a valid and subsisting environment clearance is held by him.
- Further, the PP has clarified that the extension of validity was applied only to the remaining quantity available for the EC already granted in 2013.
- The PP have also informed that the waste produced from the quarrying including the granite rejects will be stacked temporarily in the mineralized zone within the lease hold area at present by maintaining adequate stability and suitable plantation as indicated in the progressive mine closure plan. However, it will be utilized as per the final mine closure plan as approved by the competent authority one year before the final closure of the mine under the provisions of the Granite Conservation and Development Rules, 1999.

Based on the above application, the SEAC have considered the following conditions in related to this proposal:

**I. Legal Provisions**

**OBSERVATIONS IN CASE OF "M/S. S.N. MOHANTY & ANOTHER Vs. UNION OF INDIA & OTHERS, IN W.P.(C) 2025/2012"**

  
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*"....In our view, it does not mean that if a person has a valid and subsisting EC at the point of time he seeks a renewal of the mining lease, he would still be required to obtain another EC prior to the grant of renewal by the respondents. That, in our view, is not the intent and purport of the Supreme Court directions in M.C. Mehta (supra). The clear direction of the Supreme Court was that there ought not to be any mining activity without an EC. If the lease holder already has a valid and subsisting EC, there cannot be a requirement that during the validity and subsistence of the said EC, he would be asked to get another EC at the point he seeks renewal....."*

**MoEF CC S.O No. 674 (E), Dated. 13.03.2013"**

*"no fresh environmental clearance is required for a mining project or activity at the time of renewal of mining lease, which has already obtained environmental clearance under EIA Notification, 2006."*


**MoEF CC OM No. Z-11011/15/2012-IA.II (M) (Pt.), Dated. 02.06.2014:**

*"...that the requirement of environmental clearance shall not be applicable at the time of renewal of mining lease for all cases including pending cases if the environmental clearance has already been obtained under the notification of 2006".*

**MoEF CC OM No. J-11011/15/2012-IA.II (M), Dated. 20.03.2015 -Valid & subsisting EC**

*"The Ministry has received reference on the applicability of the provision of requirement of Environment Clearance (EC) at the time of renewal of lease, even if a valid and subsisting environment clearance is held by a PP, at the point of time the PP seeks renewal of the mining lease.*

*After due consideration and examination of relevant judicial pronouncements and the OM's issued in this regard, it is clarified that the PP which has a valid and subsisting EC for their mining project either under EIA Notification 1994 or EIA Notification 2006, will not be required to obtain fresh EC at the time of renewal*

  
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*of the lease. This is subject to the maximum period of validity of the EC being for mining lease for 30 years."*

**MoEF CC S.O No. 1141 (E), Dated, 29.04.2015"**

*" the validity may be extended by the regulatory authority concerned by a maximum period if an application is made to the regulatory authority by the applicant within the validity period, together with an updated Form I.....*

*.....Provided further that the regulatory authority may also consult the Expert Appraisal Committee or State Level Expert Appraisal Committee, as the case may be, for grant of such extension."*

2. The SEAC have also observed that the PP have applied for the extension of validity of Environment Clearance (EC) when the lease period is alive and having the validity for 5 years as per the Scheme of Mining approved by the competent authority.
3. Further, it is informed that every mining plan duly approved shall be valid for the entire duration of the lease under the provisions of the Granite Conservation & Development Rules, 1999. Here, the PP, who has already been granted quarrying lease for Granite for a period of five years, had obtained the extension of lease for a further period of 30 years (Up to 27.2.2041) with the **approved scheme of mining** obtained under Rule 12 of GCDR, 1999 as the letter from DD, Dept of geology and Mining, Krishnagiri, dated, 08.05.2018 indicates clearly.
4. Under these circumstances, the PP had requested to extend the EC period up to another 19 years (30 years from the date of grant of original EC period) as the First Scheme of Mining has been approved by the competent authority and also there is no modification or increase in production quantity/extent.
5. Further, the EMP for the project has been finalised based on total RoM & peak annual RoM and not based on 'meagre quantity of saleable ore'.
6. SEAC also noted that the PP has not asked for any change in the area, or in RoM, or in the peak annual RoM.

  
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Besides, The PP had also submitted the application seeking the extension of EC validity to the regulatory authority when he has a 'valid and subsisting EC' (i.e.) within the validity period of the present EC, which legitimately satisfies the OM/Notifications - MoEF CC OM No. J-11011/15/2012-1A.11 (M), Dated, 20.03.2015 & MoEF CC S.O No. 1141 (E), Dated, 29.04.2015 Issued by the MoEF& CC. Hence, the SEAC concludes that the PP is qualified to get the extension of the validity of EC as per the Notifications issued by the MoEF& CC from time to time.

Based on the presentation made by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the remaining quantity 1,029.478 m3 of Black Granite, subject to certain as stated therein .

The subject was placed in 564<sup>th</sup> Authority held on 28.10.2022. The authority noted that this proposal was placed for appraisal in 319<sup>th</sup> meeting of SEAC held on 12.10.2022 and the SEAC decided to recommend the Issue of Environmental Clearance subject to certain conditions stated therein.

After detailed discussions, the Authority noted that,

- i. The PP shall furnish the reason for not obtaining NBWL clearance before commencement of work, since EC was issued to the project vide Lr.No.SEIAA-TN /F.No.1106/EC/1(a)/350/2013,dated 20.05 2013 stipulates that,
- ii. *".....subjected to specific condition that the Environmental clearance is subject to obtaining prior clearance from Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife as applicable before issue of permit/Consent to establish by the Competent Authority/before starting any activity at site. ...."*
- iii. The PP shall submit certified compliance report.
- iv. The DD In his letter dated 08.05.2018 had only forwarded the views of proponent and had not given any specific recommendation for the non-operative period. Hence, DD may be requested to give specific recommendation.
- v. The PP shall furnish CTO copy obtained from TNPCB.
- vi. It is observed that, the PP has not devised a scientific EMP covering the mitigation measures during the project period. Hence, the Proponent is


requested to submit EMP with mitigation measures related to ecological impacts due to the proposed activity covering the project period.


- vii. The PP shall furnish Detailed EMP, Disaster management plan & Risk assessment for the approved scheme of mining.
- viii. The proponent shall submit a life cycle assessment which must be based on cradle to grave analysis emphasizing on the impacts due to the proposed activity.

In view of the above, the authority after detailed discussion decided to refer back the proposal to SEAC for re-appraisal.

Now the proposal was placed in this 348<sup>th</sup> Meeting of SEAC held on 19.01.2023. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEIAA.

Sl No	Remarks called for by SEIAA	Response
1.	Certified Compliance Report	TAMIN has applied and requested the Integrated Regional Office, MoEF&CC to get CCR vide the Divisional Manager, TAMIN Letter Rc .1557/D/2019, dated.13.10.2022
2.	The DD (Mines) in his letter dated 08.05.2018 had only forwarded the views of proponent and had not given any specific recommendation for non-operative period. DD may be requested to give specific recommendation.	As directed specific recommendation for non-operative period has been obtained from DD(Mines) Krishnagiri vide Letter Rnc No.962/2020/Mines, dated 18.01.2023.
3.	Copy of Consent to Operate from TNPCB	While approaching DEE, Hosur to get CTO, it was informed that as on date there is no valid EC for this project. If TAMIN produces valid EC, necessary CTO will be issued.

  
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Based on the presentation and document furnished by the project proponent, SEAC decided to seek the following details from the project proponent.

- (i) The PP shall furnish certified compliance report.

On receipt of the reply, the Committee will deliberate further and decide future course of action.

**Agenda No. 348-02**

**(File No. 4563/2015)**

**Proposed Black granite quarry over an extent of 1.12.0 Ha in S.F.No. 368/3(P) & 368/4B (P) of Karandapalli Village, denkanikottai Taluk, Krishnagiri District, Tamil Nadu by M/s. S.B.S. Granites - for Environmental Clearance Extension .(SIA/TN/MIN/285922/2022 dated 28.07.2018)**


The proposal was placed in 319<sup>th</sup> Meeting of SEAC held on 12.10.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

**Basic Features of the Project:**

1. The project proponent M/s. S.B.S. Granites has applied for Environmental Clearance Extension for the proposed Black granite quarry over an extent of 1.12.0 Ha in S.F.No. 368/3(P) & 368/4B (P) of Karandapalli Village, denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. Lr. No. SEIAA-TN/F. No. 4563/EC/1(a)/2854/2015, dated 15.02.2016 for Environmental clearance.
4. As per mining plan, the lease period is 20 years. The mining plan is for the period of five years & the production should not exceed 14,984m<sup>3</sup>RoM (Recovery @ 25% - 3,746m<sup>3</sup> of Black granite and Granite waste @ 75% - 11,238m<sup>3</sup> with an ultimate depth of mining 32m Below ground level. The annual peak production 3090m<sup>3</sup> (RoM) of Black granite (3<sup>rd</sup> year).

Based on the presentation made by the proponent, SEAC noted the following significant points:


- The quarry lease was granted vide G.O.(3D) No.91, Industries (MMB 3) Department Dated 19.09.2005 for a period of twenty years from 09.11 2005 to 08.11.2025.

  
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- The quarry lease executed on 09.11.2005 and the lease is valid till 08.11.2025.
- Environmental Clearance granted on 15.02.2016 vide Lr.No. SEIAA-T /E.No.4563/EC/1(a)/2854/2015 dated 15.02.2016 for the production quantity of 3746 cu.m of Black Granite from the executed lease hold area for a depth of 27 m.
- The quarry operation was carried out till May 2017 after obtaining the necessary 'Legalized Permit' from the office of the Dy. Director (Geology & Mining) to extract & transport the blocks of Black Granite for the quantity of 2665.339 m<sup>3</sup> only from the quarry.
- The Cauvery (North) wild life sanctuary is located at a distance of 2.60 km west from the quarry lease
- However, due to the notified Cauvery North Wildlife Sanctuary, the quarrying operation was suspended from May 2017 to May 2020 for obtaining the NBWL clearance from the Competent Authority due to MOEF draft notification as the buffer zone for Cauvery Wild Life Sanctuary was falling within 10 kms from the quarry.
- In the meanwhile, the final notification of Cauvery Wild Life Sanctuary of MoEF had declared 1 km buffer zone for Cauvery Wild Life Sanctuary on 01.01.2020.
- As per the above final notification of MOEF for Cauvery Wild Life Sanctuary, the Revenue Divisional Officer, Hosur, had submitted his observations vide letter Roc. No.552/2020/(82) dated 24.03.2020. Similarly, the Wildlife Warden, Hosur had submitted his recommendations vide letter Rc. No 2702/2020/L dated. 19.03.2020 to the office of Dy. Director (Geology & Mining).
- Based on the above administrative and wild life clearances received from the competent authorities, the Dy. Director (Geology & Mining) had allowed the lesser to continue quarry from 18.05.2020.
- The PP had stated that he had obtained the certificate for 'Non-Operative Status of the Quarry' & 'Legalized Permit' only to transport the quantity of 2665.339 m<sup>3</sup> vide the letter received from DD, Dept of geology and Mining.

  
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Krishnagiri dated, 09.03.2022 and it is clearly given as below:

Sl.No	Period /Year	EC quantity (incbm)	Permit Quantity (incbm)
1.	16.02.2016 to 16.06.2020	3746	2665.339

- As the quarry was non-operative from May 2017 to 18<sup>th</sup> May 2020 and the validity period of EC had expired on 14.02.2021, the quarry had been left with 1081 cbm of Black Granite remaining under the EC granted in 2016. Hence the PP had made a request for Extension of EC for the extraction of the remaining quantity.
- Further, the PP had cited the reasons of the outbreak of the Corona virus (covid-19) and subsequent lockdowns which had put the quarrying operation on hold even though the permit was available to operate the quarry after May 2020.

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

Hence, the validity of the EC issued earlier in 2016 is deemed to be valid upto 13.02.2022.

- Further, the PP had applied for grant of extension of validity of EC for the extraction of remaining quantity of black granite on 12.03.2021 when the subsisting EC is held by the proponent which fulfills the eligibility to obtain the extension of EC validity under the MoEF Notifications issued under MoEF CC OM No. J-11011/15/2012-1A.II (M), Dated. 20.03.2015 & MoEF CC S.O No. 1141 (E), Dated. 29.04.2015.
- The SEAC have also observed that the PP have applied for the extension of

  
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validity of Environment Clearance (EC) when the lease period is alive and having the Approved Mining Plan valid till 08.11.2025 under the provisions of Rule 22 (6) of Mineral Concession Rules 1960 which states that

*"...The mining plan once approved shall be valid for the entire duration of the lease....."*

Further, it is informed that every mining plan duly approved shall be valid for the entire duration of the lease under the provisions of the Granite Conservation & Development Rules, 1999.


- However, the Earlier EC was issued to the project vide Lr.No.SEIAA-T /F.No.4563/EC/1(a)/2854/2015 dated 15.02.2016 stipulates that,

*".....subjected to specific condition that the Environmental clearance is subject to obtaining prior clearance from Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife as applicable before issue of permit/Consent to establish by the Competent Authority/before starting any activity at site.....".*

On the other hand, while examining the records, it is revealed that the quarry operations had been commenced as per EC the validity from 15.02.2016 after obtaining the 'Permits' to mine out & transport the mineral (Black Granite) from DD, Dept of geology and Mining, Krishnagiri but without obtaining prior clearance from *Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife (NBWL).*

Hence the SEAC observed the failure to obtain the prior clearance from NBWL before the commencement attracted the Section 15 of the Environment (Protection) Act, 1986. However, SEAC also noted that the quarrying operation commenced after having obtained the permits from the office of the Dy. Director (Geology & Mining) to operate the quarry till the month of May 2017 and the PP had also obtained the certificate on 'Non-Operative Status of the Quarry' vide the letter of DD, Dept of geology and Mining, Krishnagiri dated. 09.03.2022 for the non-operative period of quarry from May 2017 to 18<sup>th</sup> May 2020.

  
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Based on the presentation made by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the remaining quantity. SEAC decided to recommend for Extension of the validity of EC for the remaining quantity 1,081m<sup>3</sup> of Black Granite for ultimate depth of 32 msubject to the other conditions stipulated in the EC vide Lr.No. SEIAA-T /F.No.4563/EC/1(a)/2854/2015 dated 15.02.2016 remains unchanged and unaltered. In addition to the certain specific conditions:

The subject was placed in 564<sup>th</sup> Authority held on 28.10.2022. The authority noted that this proposal was placed for appraisal in 319<sup>th</sup> meeting of SEAC held on 12.10.2022 and the SEAC decided to recommend the issue of Environmental Clearance subject to certain conditions stated therein.

The authority noted that,

- (i) The PP shall furnish the reason for not obtaining NBWL clearance before commencement of work, since EC was issued to the project vide Lr.No.SELAA-T /F.No.4563/EC/1(a)/2854/2015 dated 15.02.2016 stipulates that,

*".....subjected to specific condition that the Environmental clearance is subject to obtaining prior clearance from Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife as applicable before issue of permit/Consent to establish by the Competent Authority/before starting any activity at site.....".*

- (ii) The PP shall submit certified compliance report.

- (iii)The DD in his letter No.Roc.No.305/2022/Mines dated 09.03.2022 had only forwarded the views of proponent and had not given any specific recommendation for the non-operative period.

- (iv)Rs.2 Lakhs has been levied by SEAC towards failure of PP to comply with specific condition as laid in EC and directed the PP to pay the amount to EMAT, Tamil Nadu. Further it is suggested that SEAC may obtain a clarification from the Chief Wild Life Warden/Forest Department/NBWL on the action against contravention of NBWL Act, whether this quarrying operation attracts any penal provisions under the Wildlife Protection Act.

  
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(v) The PP shall furnish CTO copy obtained from TNPCB.

In view of the above, the authority after detailed discussion decided to refer back the proposal to SEAC for re-appraisal.

Now the proposal was placed in this 348<sup>th</sup> Meeting of SEAC held on 19.01.2023. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEIAA.

S.No	Query	Reply by PP
1	The PP shall furnish the reason for not obtaining NBWL clearance before commencement of work.	The Environmental Clearance had many conditions and was totally not aware about all the conditions and its severity and as well the regulatory authority permitted us for quarrying by issuing Transport Permit until It was asked for submission of NBWL Clearance by regulatory authority. I wasn't aware of the mandate requirements.
2	The PP shall submit certified compliance report.	The PP has not obtained Certified Compliance report.
2	The DD in his letter No.Roc.No.305/2022/Mines dated 09.03.2022 had only forwarded the views of proponent and had not given any specific recommendation for the non-operative period.	we had given vide representation to the Deputy Director, Geology and Mining, Krishnagiri for the non-operation period for want of NBWL clearance and request DD, G & M to furnish the permit quantity, in this regard the Deputy Director, Geology and Mining, Krishnagiri have given detailed reply to the same.

  
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3	<p>Rs.2 Lakhs has been levied by SEAC towards failure of PP to comply with specific condition as laid in EC and directed the PP to pay the amount to EMAT, Tamil Nadu. Further it is suggested that SEAC may obtain a clarification from the Chief Wild Life Warden/Forest Department/NBWL on the action against contravention of NBWL Act. whether this quarrying operation attracts any penal provisions under the Wildlife Protection Act.</p>	<p>The PP furnished letter from The Wildlife Warden, Hosur dated 26.11.22 stating that,</p> <p>"As per Wildlife Protection Act, 1972, there is no penal provision for action against contravention of orders of Environment Impact Assessment Authority with respect to wildlife. Also, the act does not speak about the violation of permission from National Board for Wildlife in case of implementation of project that affects wildlife. As the Eco Sensitive Zone is notified and administered under Environment Protection Act, Wildlife Protection Act, 1972 has no provision for any violation of action in the notified zone".</p> <p>And the project proposed is located at 2.60 km away from the Cauvery North Wildlife Sanctuary. As per Eco Sensitive Zone notification on 01.01.2020 for Cauvery North Wildlife Sanctuary, the ESZ is notified to a radius of 1km around the Sanctuary and hence the proposed project is located outside the notified ESZ (1.6 km from the boundary of ESZ).</p>
4	The PP shall furnish CTO copy	After Receipt of Environmental Clearance the Department of

  
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obtained from TNPCB.	Geology and Mining issued quarrying permit without Requirement of CTO until May 2017. When approached Pollution Control Board for obtaining CTO It was informed to submit NBWL Clearance. Now, the proposal does not attract NBWL Clearance and we are seeking EC validity for Non operation period because as on date the EC validity is lapsed as per the order. Therefore, unable to obtain CTO and now we assure that CTO shall be obtained after EC Validity extension.
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Based on the presentation and document furnished by the project proponent, SEAC decided to seek the following details from the project proponent,

- (ii) The PP shall furnish certified compliance report.

On receipt of the reply, the Committee will deliberate further and decide future course of action.

**Agenda No: 348 – 03**


**(File No.5383/2022)**

**Proposed Black granite quarry over an extent of 2.44.0Ha in S.F.No. 144/1 and 144/2 of Odayandahalil Village, Denkanikottal Taluk, Krishnagiri District, Tamil Nadu by Thiru.R.K.Ramesh - for Environmental Clearance Extension. (SIA/TN/MIN/285921/2022 dated 28.07.2018)**

The proposal was placed in this 319<sup>th</sup> Meeting of SEAC held on 12.10.2022. The details of the project furnished by the proponent are available in the website ([parivesh.nic.in](http://parivesh.nic.in)).

**Basic Features of the Project:**

1. The project proponent Thiru.R.K.Ramesh has applied for Environmental

  
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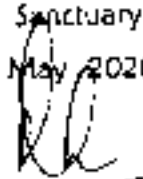
Clearance Extension for the proposed Black granite quarry over an extent of 2.44.0Ha in S.F.No. 144/1 and 144/2 of Odayandahalli Village, Derkanikottai Taluk, Krishnagiri District, Tamil Nadu

2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. Lr. No. SEIAA-TN/F. No. 5383/EC/1(a)/3370/2016. dated 20.07.2016 for Environmental clearance.
4. As per mining plan, the lease period is 20 years. The mining plan is for the period of five years & the production should not exceed 60.275m<sup>3</sup>RoM (Recovery @ 20% - 12,055m<sup>3</sup> of Black granite and Granite waste @ 80% - 48.220m<sup>3</sup> with an ultimate depth of mining 31m Below ground level. The annual peak production 4160m<sup>3</sup> (RoM) of Black granite (3<sup>rd</sup> year)

Based on the presentation made by the proponent, SEAC noted the following significant points:

- The quarry lease was granted vide G.O. (3D) No: 27, Industries (MME-2) Department Dated: 02.06.2010 for a period of twenty years from 28.06.2010 to 27.06.2030.
- The quarry lease executed on 28.06.2010 and the lease is valid till 27.06.2030.
- Environmental Clearance granted on 20.07.2016 vide Lr.No. SEIAA-TN/F. No. 5383/EC/1(a)/3370/2016, dated 20.07.2016 for the production quantity of 3992 cu.m of Black Granite from the executed lease hold area for a depth of 31 m (including 11 m above ground level).
- The quarry operation was carried out till April 2017 after obtaining the necessary 'Legalized Permit' from the office of the Dy. Director (Geology & Mining) to extract & transport the blocks of Black Granite for the quantity of 1648.918 m<sup>3</sup> only from the quarry.
- The Cauvery (North) wild life sanctuary is located at a distance of 2.50 km west from the quarry lease
- However, due to the notified Cauvery North Wildlife Sanctuary, the quarrying operation was suspended from May 2017 to May 2020 for

  
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obtaining the NBWL clearance from the Competent Authority due to MOEF draft notification as the buffer zone for Cauvery Wild Life Sanctuary was falling within 10 kms from the quarry.

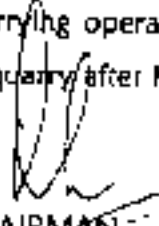
- In the meanwhile, the final notification of Cauvery Wild Life Sanctuary of MoEF had declared 1 km buffer zone for Cauvery Wild Life Sanctuary on 01.01.2020.
- As per the above final notification of MOEF for Cauvery Wild Life Sanctuary, the Revenue Divisional Officer, Hosur, had submitted his observations vide letter Roc. No.552/2020/(B2) dated 24.03.2020. Similarly, the Wildlife Warden, Hosur had submitted his recommendations vide letter Rc. No 2702/2020/L dated, 19.03.2020 to the office of Dy. Director (Geology & Mining).
- Based on the above administrative and wild life clearances received from the competent authorities, the Dy. Director (Geology & Mining) had allowed the lesser to continue quarry from 18.05.2020.
- The PP had stated that he had obtained the certificate for 'Non-Operative Status of the Quarry' & 'Legalized Permit' only to transport the quantity of 1648.918 m<sup>3</sup> vide the letter received from DD, Dept of geology and Mining, Krishnagiri dated. 09.03.2022 and it is clearly given as below:

Sl.No	Period /Year	EC quantity (Incbm)	Permit Quantity (Incbm)
1.	08.09.2016 to 16.06.2020	3992	1648.918

- As the quarry was non-operative from May 2017 to 18<sup>th</sup> May 2020 and the validity period of EC had expired on 19.07 2021, the quarry had been left with **2,343.08**cbm of Black Granite remaining under the EC granted in 2016. Hence the PP had made a request for Extension of EC for the extraction of the remaining quantity.
- Further, the PP had cited the reasons of the outbreak of the Corona virus (covid-19) and subsequent lockdowns which had put the quarrying operation on hold even though the permit was available to operate the quarry after May

  
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2020.

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

Hence, the validity of the EC issued earlier in 2016 is deemed to be valid upto 18.07.2022.

- Further, the PP had applied for grant of extension of validity of EC for the extraction of remaining quantity of black granite on 04.03.2022 & 28.07.2022 when the subsisting EC is held by the proponent which fulfills the eligibility to obtain the extension of EC validity under the MoEF Notifications issued under MoEF CC OM No. J-11011/15/2012-IA.II (M), Dated. 20.03.2015 & MoEF CC S.O No. 1141 (E), Dated. 29.04.2015.
  - The SEAC have also observed that the PP have applied for the extension of validity of Environment Clearance (EC) when the lease period is alive and having the Approved Mining Plan valid till 27.06.2030 under the provisions of Rule 22 (6) of Mineral Concession Rules 1960 which states that *"...The mining plan once approved shall be valid for the entire duration of the lease:....."*
- Further, It is informed that every mining plan duly approved shall be valid for the entire duration of the lease under the provisions of the Granite Conservation & Development Rules, 1999.
- However, the Earlier EC was issued to the project vide Lr.No.SEIAA-T /E.No.4563/EC/1(a)/2854/2015 dated 15.02.2016 stipulates that,

*".....subjected to specific condition that the Environmental clearance is subject to obtaining prior clearance from Forestry and wildlife angle including clearance from the standing committee of*

  
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*the National Board for Wildlife as applicable before issue of permit/Consent to establish by the Competent Authority/before starting any activity at site.....'.*

On the other hand, while examining the records, it is revealed that the quarry operations had been commenced as per EC the validity from 08.09.2016 after obtaining the 'Legalized Permits' to mine out & transport the mineral (Black Granite) from DD, Dept of geology and Mining, Krishnagiri but without obtaining prior clearance from *Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife (NBWL)*, fulfilling the MOEF draft notification issued for Cauvery Wild Life Sanctuary.

Hence the SEAC observed the failure of obtaining the prior clearance from NBWL before the commencement attracts the Section 15 of the Environment (Protection) Act, 1986 - 'Penalty for contravention of the provisions of the Act and the rules, orders and directions' states that

*"..... (1) Whoever fails to comply with or contravenes any of the provisions of this Act, or the rules made or orders or directions issued thereunder, shall, in respect of each such failure or contravention, be punishable with imprisonment for a term which may extend to five years or with fine which may extend to one lakh rupees, or with both, and in case the failure or contravention continues, with additional fine which may extend to five thousand rupees for every day during which such failure or contravention continues after the conviction for the first such failure or contravention...."*

However, the PP had accepted that the quarrying operation commenced after having obtained the permits from the office of the Dy. Director (Geology & Mining) to operate the quarry till the month of May 2017 and obtained the certificate on 'Non-Operative Status of the Quarry' vide the letter of DD, Dept of geology and Mining, Krishnagiri dated. 09.03.2022 for the non-operative period of quarry from May 2017 to 18<sup>th</sup> May 2020.

Based on the presentation made by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the remaining

  
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quantity SEAC decided to recommend for Extension of the validity of EC for the remaining quantity 2,343.08 m<sup>3</sup> of Black Granite for ultimate depth of 31 m (including 11 m above ground level) subject to the other conditions stipulated in the EC vide Lr.No. SEIAA-T /F.No.5383/EC/1(a)/3370/2016, dated 20.07.2016 remains unchanged and unaltered, 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. However, PP shall pay the penalty amount of Rs. 2 lakhs towards the failure of the proponent to comply with the aforesaid specific condition as laid in the EC by depositing it into the account of 'Environment Management Agency of Tamil Nadu (EMAT)', Department of Environment and Climate Change, Govt of Tamil Nadu before issue of the extension of validity of EC from the authority.
3. 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.
4. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted.
5. As accepted by the Project Proponent, Rs. 10 lakhs shall be remitted to DFO, Krishnagin and the amount shall be spent for doing mitigation activities in the Cauvery (North) wild life sanctuary before obtaining CTO from TNPCB.
6. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and

should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.

The subject was placed in the 564<sup>th</sup> SEIAA Meeting held on 28.10.2022. The authority noted that this proposal was placed for appraisal in this 319<sup>th</sup> meeting of SEAC held on 12.10.2022 and the SEAC decided to recommend the issue of Environmental Clearance subject to certain conditions stated therein.

After detailed discussions, the Authority noted that,

1. The PP shall furnish the reason for not obtaining NBWL clearance before commencement of work, since EC was issued to the project vide Lr.No.SEIAA-TN /F.No.5383/EC/1(a)/3370/2016 dated 20.07.2016 stipulates that,
2. *".....subjected to specific condition that the Environmental clearance is subject to obtaining prior clearance from Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife as applicable before issue of permit/Consent to establish by the Competent Authority/before starting any activity at site....."*.
3. The PP shall submit certified compliance report.
4. The DD in his letter No.Roc.No.305/2022/Mines dated 09.03.2022 had only forwarded the views of proponent and had not given any specific recommendation for the non-operative period.
5. Rs.2 Lakhs has been levied by SEAC towards failure of PP to comply with specific condition as laid in EC and directed the PP to pay the amount to EMAT, Tamil Nadu. Further it is suggested that SEAC may obtain a clarification from the Chief Wild Life Warden/Forest Department/NBWL on the action against contravention of NBWL Act, whether this quarrying operation attracts any penal provisions under the Wildlife Protection Act.
6. The PP shall furnish CTO copy obtained from TNPCB.

In view of the above, the authority after detailed discussion decided to refer back the proposal to SEAC for re-appraisal.

Now the proposal was again placed in this 348<sup>th</sup> Meeting of SEAC held on 19.01.2023. Based on the presentation and document furnished by the project

  
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proponent, SEAC decided to seek the following details from the project proponent.

1. The project proponent shall furnish the certified compliance report issued by MoEF& CC / TNPCB for its existing EC.

On receipt of the reply, the Committee will deliberate further and decide future course of action.

**Agenda No: 34B – 04**

**(File No.5824/2022)**

**Existing multicolor Granite mine Lease over an extent of 4.32.5 Ha at S.F.No.9/1A1, 9/2A2, 9/2A3, 9/2B, Thangayur Village, Edappadi Taluk, Salem District, Tamil Nadu by Thiru. Navinladdha extension of validity for the Environmental Clearance issued (SIA/TN/MIN/265484/2022 dated: 1.04.2022)**

Earlier, this proposal was placed in this 329<sup>th</sup> Meeting of SEAC held on 16.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:


1. The PP has obtained Environmental Clearance vide Lr No.SEIAA-TN /F.No. 5824/1(a)/EC.No. 3862/2016 Dt. 14.11.2016 for the proposed multicolor Granite mine Lease over an extent of 4.32.5 Ha at S.F.No. 9/1A1, 9/2A2, 9/2A3, 9/2B, Thangayur Village, Edappadi Taluk, Salem District, Tamil Nadu.
2. The approved quantity as per Earlier EC is 30340 Cu.m of Multi coloured granite for the period of 5 years from the date of execution of mining lease.
3. The PP also obtained extension of Environmental Clearance valid up to 13.11.2022 vide Lr No.SEIAA-TN /F.No. 5824/Amendment/2016 Dt. 30.10.2021 based on MoEF&CC Notification vide S.O No. 2216 Dt. 18.1.2021 for COVID-19.
4. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
5. The PP has obtained 1<sup>st</sup> Scheme of mining for the period of 2021-22 to 2025-2026 and applied for Extension of existing EC issued.

  
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6. Now the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIN/265484/2022 dated: 1.04.2022 for the extension of validity of EC with all required documents.
7. Now, as per the Mineral Concession Rules, 1960 & Granite Conservation and Development Rules, 1999, a Scheme of Mining was submitted for a five-year period (2021-22 to 2025-26) and the Scheme of Mining was approved by the Director of Geology and Mining, Guindy, Chennai vide Rc. No 5500/MM4/2021 dated 15.03.2022.
8. The Scheme of Quarrying was prepared and approved for quantity not exceeding the quantity in previous Mining Plan and there shall be no modification in quantity or area of the proposal.
9. As per the mining plan, the lease period is for 20 years. The production for 5 years (as per approved scheme of mining 2021-22 to 2025-26) not to exceed – ROM – 50517m<sup>3</sup> (Recovery @60% = 30310 m<sup>3</sup> & Waste@ 40% = 20207 m<sup>3</sup> Multi Colour Granite) with proposed depth of 30.5m(BGL). Annual Peak Production of ROM capacity: 10272 m<sup>3</sup> (5<sup>th</sup> years)

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru. Navinladdha, S/o. (Late) Sri Ramkeshwarladdha, No.31/1, Chandramukhi, Pattalamma Temple Street, South End Circle, Basavanagudi, Bengaluru - 560 004, Karnataka State - 560 004
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Multi-Colour Granite quarry
3.	S.F No. of the quarry site with area break-up	9/1A1, 2A2, 2A3 & 2B
4.	Village in which situated	Thangayur Village

  
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5.	Taluk in which situated	Edappadi Taluk
6.	District in which situated	Salem District
7.	Extent of Quarry (in ha.)	4.32.5 Ha
8.	Latitude & Longitude of all corners of the quarry site	11°33'25.23"N to 11°33'34.85"N 77°51'02.76"E to 77°51'10.08"E
9.	Topo sheet No.	58 - E/14
10.	Type of Mining	Open Cast Semi Mechanized Mining
11.	Period of Quarrying proposed	Five Years (2021-22 to 2025-26)
12.	Production (Quantity in m <sup>3</sup> )	50517m <sup>3</sup> ROM, 30310m <sup>3</sup> Granite Recovery (60%), Granite Waste (40%)- 20207m <sup>3</sup>
13.	Depth of quarrying	30.5m (0.5m Topsoil + 10m Granite) BGL
14.	Depth of water table	50m-45m (BGL)
15.	Man power requirement per day:	34 Employees
16.	Source of Water Requirement	Vendors and Existing Bore Well on nearby quarry area
17.	Water requirement:	1.0 KLD
	1. Drinking & domestic purposed (in KLD)	0.3 KLD
	2. Dust Suppression, Green Belt & Drilling (in KLD)	0.3 KLD 0.4 KLD
18.	Power requirement:	
	a) Domestic purpose	TNEB
	b) Industrial Purpose	58.032 Liters of HSD
19.	Whether any habitation within 300m distance	No
20.	Precise Area Communication approved by the. Industries (MMB.2) Department with date	Lr.No. 888/MMB.2/2016-1 Dt. 28.7.2016 by Additional Chief Secretary to Govt
21.	Mining plan approved by	Letter. No: 5500/MM4/2021.

  
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	Assistant Director of Geology and Mining Guindy with date	Dated:15.03.2022
22.	Assistant Director, Department of Geology and Mining, with date 500mts letter	Roc. No. 660/2015/Mines-A. Dated: 26.10.2016
23.	VAO Certificate regarding 300m Radius letter dated	
24.	Project cost (excluding EMP cost)	Rs.2.79 Crores
25.	EMP cost	Rs.3.80 Lakhs
26.	CER cost	10 Lakhs as per SEAC Minutes

Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Extension of Environmental Clearance for the ROM quantity of 50517 m<sup>3</sup> which includes 30310 m<sup>3</sup> of Multi Colour Granite with annual production capacity of not exceeding 10272 m<sup>3</sup> of ROM which includes 6163 m<sup>3</sup> of Multi Colour Granite for an ultimate depth of 30.5 m under the provisions of MoEF& CC OM No. J-11011/15/2012-IA. II (M), dated. 20.03.2015 and MoEF& CC Notification S.O. 1141 (E) dated. 29.04.2015 subject to the standard conditions and normal conditions stipulated by MOEF&CC, in addition to the certain specific conditions.

The proposal was placed in the 574<sup>th</sup> Authority meeting held on 29.11.2022. SEAC has furnished its recommendations to the Authority for granting Environmental Clearance to the Project subject to the conditions stated therein. After detailed discussion, SEIAA decided to get the following details from the PP.

1. The earlier Environmental clearance vide Lr. No. SEIAA-TN/F.No.5824/1(a)/EC. No:3862/2015 dated: 14.11.2016 issued the production quantity approved was 30340 cbm @ 40% recovery as per the mine plan. Further, it was noted that the proponent had achieved a production quantity of only 3330.97 cbm @ 11% average. Hence, the proponent shall clarify the details regarding the difficulty in achieving 40% recovery as proposed in the previous Environmental Clearance.

  
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2. When there is a balance quantity of mineral which amounts to 27009.023 m<sup>3</sup> to be mined out of the earlier quantity approved, what is need for the next scheme of mining.
3. What is the strategy proposed by the proponent to offset the variation in the recovery achieved against the proposed recovery. Since, it appears that the methodology of quarrying and the recovery achieved appears to be not sustainable.
4. The proponent shall submit the details regarding if any newer technology is going to be implemented in order to achieve 60% recovery. Since, the data regarding the previous quantity mined out from the proposed quarry indicates an inconsistency in the quantity achieved in each year. Hence, the target of achieving 60% recovery (next scheme of mining) seems to be not viable.
5. Such poor & delayed mining activity leads to extend excess carbon foot prints, prolonged ecological disturbance to vegetation, biodiversity. This disturbance to water table, soil etc., resisting in ecological balance and delayed mine closure & site recovery process. This may be justified.

Now the proposal was placed in this 348<sup>th</sup> Meeting of SEAC held on 19.01.2023. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEIAA.

During the meeting, the proponent stated that he had requested for an automatic extension as per the MoEF&CC notification dated 12.04.2022 and O.M dated 13.12.2022 and hence requested for the same.

SEAC 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.,*

  
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*12.04.2022 shall stand automatically extended to respective increased validity as mentioned at Para no. 1 column (C) above."*

Based on the presentation made by the proponent, the SEAC decided to confirm that the proposal qualifies for 'automatic extension' as per the aforementioned OM issued by the MoEF& CC.


Agenda No: 348-05  
(File No: 6404/2020)


Proposed Lime stone quarry lease over an extent of 1.135 Ha at S.F. Nos. 257/1 & 257/2 of Kallakudi Village, Lalgudi Taluk, Trichy District, Tamil Nadu by M/s.Dalmia Cement (Bharat) Limited – For Environmental Clearance. (under Violation category) (SIA/TN/MIN/76804/2018 dated 14.05.2022)

The proposal was placed in 302<sup>nd</sup> Meeting of SEAC held on 18.08.2022 and 325<sup>th</sup> Meeting of SEAC held on 03.10.2022. The details of the minutes are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

The SEAC noted the following:

1. The Project Proponent, M/s.Dalmia Cement (Bharat) Limited has applied for Environmental Clearance for the proposed Lime stone quarry lease over an extent of 1.135Ha S.F. Nos. 257/1 & 257/2 of Kallakudi Village, Lalgudi Taluk, Trichy District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item I(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. From the Review of Mining Plan approved by the competent authority, the mine was operated under deemed extension as per rule 24A(6) of MCR1960 but however as per the recent MMDR Amendment Act 2015, the validity of the mining lease is extended upto 31.03.2030. It has also been ascertained that the total production quantity should not exceed 27171 Tonnes which includes 20991 Tonnes of Lime stone and 6180 Tonnes of Marl with maintaining the annual peak production of 9978 Tonnes of Lime stone (5<sup>th</sup> year) and 2520 Tonnes of Marl (2<sup>nd</sup> year).
4. ToR obtained vide Lr. SEIAA-TN/F.No.6404/TOR-357/2018 dt. 17.05.2018.
5. Public Hearing held on 05.05.2022.

  
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The proposal was placed in 571<sup>st</sup> Authority held on 21.11.2022 & 22.11.2022. The authority noted that the subject was appraised in 326<sup>th</sup> SEAC meeting held on 05.11.2022.

After detailed deliberation, the SEAC accepted the recommendation of the Sub-committee and decided to recommend the proposal for grant of Environment Clearance.

Authority after detailed deliberations Authority noted that,

1. As per the EIA submitted by the proponent in Parivesh portal for Prior Environmental Clearance, DCBL has operated Kallakudi Limestone Mine under GO 262 after 15.01.2016 till 2016-17 and produced 3.381 Tonnes of Limestone during Violation Period of 9 months. Operating the Lease without EC is in violation of EIA Notification 2006 (as amended). The mining activities are stopped now and there is no production from this Mine.


Hence, from the above, It is ascertained that the violation period was 9 months which amounts to 270 days roughly.

Subsequently, in the inspection report, in Damage Cost Evaluation, as per CPCB Guidelines' Environmental compensation formula, the number of days of violation is considered to be 75 days and the Environmental compensation is arrived based on this period of violation

Hence, committee is requested to examine the period of violation days and accordingly may levy Environmental compensation.

2. Further, In the EIA report submitted by the proponent, it is stated that,

Mine Pits dewatering quantity is about 3,780 KLD during Pre monsoon and 8,340 KLD during Post monsoon Periods. The excess seepage water as well as Rain water collected from the Working Pits are pumped into Non-working Pits and stored for further utilization. In an average, about 6,060 KLD from the Mine Pits is being dewatered. About 1,200 KLD is being utilized for meeting the Mines' water demand. The balance quantity of 4,860 KLD can be utilized for supplementing the Raw water demand of the Plant. Thus, about 5,920 KLD Rain Water as well as Surface/Ground Waters from the Mine Pits can be fully harvested and used.

  
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The Mining Lease requires about 4.0 KLD raw water which is being met out from own borewell at the mine area and also from rain water harvested in mine pit. Hence, the proponent is requested to clarify,

- (i) When 4860 KLD is utilized for supplementing the Raw water demand of the Plant, then why borewell water is utilized. The PP shall explain in detail about the necessity of using borewell water.
- (ii) Is there any commitment on supplying of water to public in public hearing, how mine pits water is gainfully utilized. The PP shall furnish an explanation in detail.
- (iii) How 4860 KLD (4.86 million Litres of water per day) a huge quantity be effectively utilized. The PP shall furnish an explanation in detail.

3. Further, as per the ToR issued under violation vide Lr No. SEIAA-TN/F.No.6404/TOR-357/2018, Dated:17.05.2018 in standard Terms of Reference in page No. 12, point no. 28.

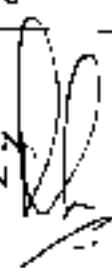
"Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished." but the proponent has not submitted the necessary permission obtained from Central Ground Water Authority (CGWA). Hence, the proponent is requested to obtain NOC from the CGWA and furnish the same to comply with the ToR condition issued earlier.

In the view of the above, Authority decided to refer back the proposal and SEAC may examine the above-mentioned points and furnish the remarks to SEIAA. Now the proposal was placed in this 348<sup>th</sup> Meeting of SEAC held on 19.01.2023. The PP has furnished the reply to the above shortcomings observed by SEIAA.

Sl. No.	Query	PP reply	Document Reference
1	As per the details filled by the proponent in Parivesh portal for Prior	The Lease is in temporary discontinuance from 01.10.2016.	IBM monthly Returns for the Period Jan.-Sep, 2016 are


  
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Sl. No.	Query	PP reply	Document Reference
	<p>Environmental Clearance.</p> <p>OCBL has operated Kallakudi Limestone Mine under GO 262 after 15.01.2016 till 2016-17 and produced/transported 3,381 Tonnes of Limestone (Table 1.6). Operating the Lease after 15.01.2016 without EC is in Violation of EIA Notification 2006 (as amended). The Violation Period was 9 months. The mining activities were stopped from October 2016 and there was no production from this Mine.</p> <p>Hence, from the above, it is ascertained that the violation period was 9 months which amounts to 270 days roughly.</p> <p>Subsequently, in the inspection report, in Damage Cost Evaluation,</p>	<p>Though 9 months were there from Jan.-Sep., production of 3,381 Tonnes in the Lease took place during March 2016 &amp; Sep. 2016 only say 61 days.</p> <p>As per CPCB Guidelines, No. of days violation took place has to be considered for Ecological Damage Assessment.</p> <p>However, 75 Mine Working Days were considered for despatched quantity of 3,381 Tonnes as Worst Case Scenario.</p> <p>Accordingly, Environmental Damage Cost was computed in higher side only.</p>	<p>submitted.</p> <p>EIA Report Page No. 270</p>

Sl. No.	Query	PP reply	Document Reference
	<p>as per CPCB Guidelines Environmental compensation formula, the number of days of violation is considered to be 75 days and the Environmental compensation is arrived base on this period of violation.</p> <p>Hence, committee is requested to examine the period of violation days and accordingly may levy Environmental compensation.</p>		
2	<p>Further, in the EIA report submitted by the proponent in Page No.12, it is stated that :</p> <p>Mine Pits dewatering quantity is about 3,780 KLD during Premonsoon and 8,340 KLD during Postmonsoon Periods.</p> <p>The excess seepage water as well as Rain water</p>	<p>Kallakudi-Kovandakurichi (KLK-KVK) Mines are granted under 5 Leases in 4 Pits :</p> <p>Kallakudi Pit No. 1,</p>	<p>EIA Report Page No. 180</p> <p>Hydrogeological Report Pg. No. 12</p>

  
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Sl. No.	Query	PP reply	Document Reference
	collected from the Working Pits are pumped into Non-working Pits and stored for further utilization. In an average, about 6,060 KLD from the Mine Pits is being dewatered. About 1,200 KLD is being utilized for meeting the Mines' water demand. The balance quantity of 4,860 KLD can be utilized for supplementing the Raw water demand of the Plant. Thus, about 5,920 KLD Rain Water as well as Surface/Ground Waters from the Mine Pits can be fully harvested and used.	<p>Kallakudi Pit No. 2,</p> <p>Kovandakurichi Pit No. 3 (East &amp; West Blocks).</p> <p>Kovandakurichi Pit No. 4.</p> <p>Kallakudi Mines are in operation since 1939 and Kovandakurichi Mine Pits are in operation since 1952.</p> <p>These Leases cover a total extent of 191.265 Ha i.e. 111.985 Ha in Kallakudi Pits 1 &amp; 2 and 79.280 Ha in Kovandakurichi Pits 3 &amp; 4.</p> <p>Cumulative Mine Seepage water from all 4 Pits has been computed as 6,060 KLD (average). Out of which, 1,200 KLD is used for Mines utilisation &amp; green belt development and balance 4,860 KLD (maximum) is being pumped to Kallakudi Tank for irrigation purpose and</p>	
	The Mining Lease requires about 4.0 KLD raw water which is being met out from own borewell at the mine area and also from rain water harvested in		




Sl. No.	Query	PP reply	Document Reference
	mine pit.  Hence, the Proponent is requested to clarify :	gainfully utilised.	
2(i)	When 4860 KLD is utilized for supplementing the Raw water demand of the Plant, then why borewell water is utilized. The PP shall explain in detail about the necessary of using borewell water.	Mine water demand of 4 KLD is being met from the Mine Pit water. It was mentioned wrongly as being met from Borewell.  No borewell water is used for Mine utilisation as well as Plant water demand.  Dalmiapuram Cement Plant water requirement is met from River Kolli dam. Consented quantity is 3,200 KLD. dated 26.07.2012 signed by DCBL and Suptdg. Engr., WRD, Middle Cauvery Basin Circle, Trichy is valid for 5 years from 27.10.2018 to 26.10.2023 on renewal basis.  Mine Pit water is used whenever river water supply is disturbed/not available.	Agreement dated 26.07.2012 is submitted.
2(ii)	Is there any commitment on supplying of water to public in public hearing, how mine pits water is	About 2,000 KLD (minimum) and 4,860 KLD (maximum) is being pumped to Kallakudi Tank for irrigation purpose. This	EIA Report Page No. 219  (Response to

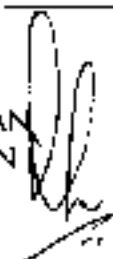
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Sl. No.	Query	PP reply	Document Reference
	gainfully utilized. The PP shall furnish an explanation in detail.	practice is being continued for the last 20 years on Public Demand.	Speaker demand)
2(iii)	How 4860 KLD (4.86 million Litres of water per day) a huge quantity be effectively utilized. The PP shall furnish an explanation in detail.	<p>Dalmiapuram Cement Plant water requirement is met from River Kollidam. Consented quantity is 3,200 KLD, dated 26.07.2012 signed by DCBL and Suptdg. Engr., WRD, Middle Cauvery Basin Circle, Trichy is valid for 5 years from 27.10.2018 to 26.10.2023 on renewal basis.</p> <p>Mine Pit water is used whenever river water supply is disturbed/not available.</p> <p>Kallakudi Tank is surrounded by Kallakudi Town Panchayat Settlements with its natural water courses are totally cut-off. The water source to the Tank is mine pit water only. About 2,000 KLD (minimum) and 4.860 KLD (maximum) is being pumped to Kallakudi Tank. Water from the Tank is continuously feeding the channels downstream and</p>	9

Sl. No.	Query	PP reply	Document Reference
		utilized for irrigation.  This practice is being continued for the last 20 years on Public Demand.  Mine Pit water quality was found to be in compliance with IS:10500-2012 Norms and no further treatment is required as such.	
3	Further, as per the ToR issued under violation vide Lr No. SEIAA - TN/E.No.6404/TOR-357/2018. Dated:17.05.2018 in standard Terms of Reference in page No. 12. point no 28.  Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished." but the proponent has not	DCBL has applied to State Ground & Surface Water Resources Data Centre, PWD, Tharamani for dewatering NOC on 22.03.2017. They have sought some clarifications on 20.04.2017 which have been addressed by DCBL.  NOC is under perusal of the Department.	Copy of the Application is submitted.

  
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Sl. No.	Query	PP reply	Document Reference
	submitted the necessary permission obtained from Central Ground Water Authority (CGWA). Hence, the proponent is requested to obtain NOC from the CGWA and furnish the same and comply with the ToR condition Issued earlier.		

The SEAC carefully examined the replies furnished by the PP and decided to reiterate its recommendation already made in the 326<sup>th</sup> SEAC meeting held on 05.11.2022. All other conditions stipulated in the recommendation remains unchanged.

**Agenda No. 348-06**

**(File No. 6409/2022)**

**Proposed Limestone quarry over an Extent of 0.28.5 Ha located at S.F.No. 256 of Kallakudi Village, Lalgudi Taluk, Trichy District, Tamil Nadu by M/s. Dalmia Cement (Bharat) Limited for Environmental Clearance. (SIA/TN/MIN/76806/2018 dated: 16.05.2022)**

The proposal was placed in this 348<sup>th</sup> Meeting of SEAC held on 19.01.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, M/s. Dalmia Cement (Bharat) Limited has applied for Environmental Clearance for the Lime stone quarry over an Extent of 0.28.5 Ha located at S.F.No.256 of Kallakudi Village, Lalgudi Taluk, Trichy District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" - "Under Violation" of Item (a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

  
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3. ToR under violation issued vide SEIAA. Lr No. SEIAA-TN/F.No.6409/TOR-495/2018 Dated:13.06.2018.
4. As per MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, 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 under taken during this period in respect of the Environmental Clearance granted shall be treated as valid.”.
5. Public Hearing conducted date:05.05.2022.
6. EIA Report submitted on 02.06.2022.

The proposal was placed in the 571<sup>st</sup> Authority meeting held on 21.11.2022 & 22.11.2022. The authority noted that the subject was appraised in 325<sup>th</sup> SEAC meeting held on 03.10.2022.

After detailed deliberation, the SEAC accepted the recommendation of the Subcommittee and decided to recommend the proposal for grant of Environment Clearance.

Authority after detailed deliberation, noted that

1. As per the details filled by the proponent in Parivesh portal in Form 2 Application for Prior Environmental Clearance

Details of Violation	DCBL has operated Kallakudi Limestone Mine under GO 263 after 15.01.2016 till 01.07.2016 and produced/transported 1,662 Tonnes of Limestone. Operating the lease after 15.01.2016 without EC is in Violation of EIA Notification 2006. <u>The Violation Period was 5.5 months.</u> The mining activities were stopped from 01.07.2016 and there was no production from this Mine since then.
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Hence, from the above, it is ascertained that the violation period was 5.5 months which amounts to 165 days roughly.

  
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Subsequently, in the inspection report, in Damage Cost Evaluation, as per CPCB Guidelines' Environmental compensation formula, the number of days of violation is considered to be 35 days and the Environmental compensation is arrived based on this period of violation.

Hence, committee is requested to examine the period of violation days and accordingly may levy Environmental compensation.

2. Further, in the Hydrogeological report submitted by the proponent in page no.12, it is ascertained that "Fresh water demand of the Plant is 2.705 KLD which is presently drawn from permitted 3,200 KLD from Coleroon River through the existing water supply system. Ground Water-table in the Mine vicinity is found to be at 45 m BGL during Post monsoon Season and 50 m BGL during Pre monsoon Season. Thus, Ground Water table will be intersected in 2 Leases viz. GO No. 76 & GO No. 263 in Kallakudi Pit No. 1. Mine Pit Seepage Water quantity is 19,982 KL/Annum and Rain Water Realisation in the Mine Pit is 2,127 KL/Annum, thus, total 22,109 KL/Annum i.e., 60.6 KLD. Water demand of the Mine is only 4 KLD. Thus, the entire Mine Dewatering Quantity would be gainfully utilised". Since, the water demand of the mine is only 4KLD, the remaining dewatered quantity use shall be furnished.
3. Further, in the EIA report submitted by the proponent, it is ascertained that Cumulatively, KLK-KVK Mine Pits dewatering quantity is about 3.780 KLD during Premonsoon and 8,340 KLD during Postmonsoon Periods. The excess seepage water as well as Rain water collected from the Working Pits are pumped into Non-working Pits and stored for further utilization. In an average, about 6.060 KLD from the Mine Pits is being dewatered. About 1,200 KLD is being utilized for meeting the Mines' water demand. The balance quantity of 4,860 KLD can be utilized for supplementing the Raw water demand of the Plant.

But, in the Hydrogeological report submitted by the proponent, it is mentioned as 4860 KLD will be pumped to Kallakudi Tank for irrigation purpose.

Hence, the proponent is requested to clarify

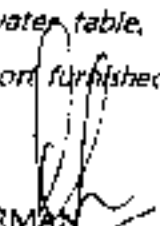
  
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- i. Since, the initially planned purpose of utilising 4860 KLD of mine pit water was for supplementing raw water demand of the plant and now that the proponent is proposing to supply 4860 KLD of mine pit water to Kallakudi Tank, what alternate source of water supply the proponent is going to use for supplementing raw water demand of the plant. Since, 4860 KLD (4.86 million Litres of water per day) is a huge quantity to be replaced by alternate source of raw water.
  - ii. Otherwise, the proponent is proposing to supply the mine pit water of 4860 KLD to Kallakudi Tank. Hence, the proponent is requested to furnish the details regarding whether permission is/was obtained from the PWD/Competent Authority to discharge the mine pit water to the Kallakudi tank which is a public utility tank.
  - iii. Further, the proponent is requested to provide details regarding the present water quality of the Kallakudi tank and the anticipated water quality of the mine pit water. The treatment methodology that will be adopted to equalize the quality of mine pit water to the quality of the Kallakudi tank in order to prevent further degradation of the water quality of Kallakudi Tank.
  - iv. Further, the proponent shall furnish the details of the treatment system and its adequacy report to cater to 4860 KLD (4.86 MLD) of raw water that has to be equalized to the quality of Kallakudi tank before discharging. Hence, the proponent must include the Capital cost of the treatment plant and its lifelong maintenance of the proposed water treatment plant in the EMP and shall revise the EMP budget accordingly.
4. Further, as per the ToR issued under violation vide Lr No.SELAA-TN/F.No.6409/TOR-495/2018. Dated:13.06.2018 in standard Terms of Reference in page No. 12, point no. 28

*"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. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished.*

  
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*The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.*

Based on the above, the proponent has submitted the hydrogeological report, but the proponent has not submitted the necessary permission obtained from Central Ground Water Authority (CGWA) regarding working below the ground water table and for pumping of intersected ground water to Kallakudi tank. Hence, the proponent is requested to obtain NOC from the CGWA and furnish the same and comply with the ToR condition issued earlier.

5. Further, as per the minutes of 309<sup>th</sup> SEAC meeting held on 02.09.2022, point no. 3 "Data regarding the flow rate of water supply from the proposed mine lease area to the Natham village Tank shall be submitted."

The proponent has not provided data regarding the above. Hence, the proponent is requested to submit the data regarding the flow rate of Fresh water demand of the Plant which is presently drawn from permitted 3,200 KLD from Coleroon River through the existing water supply system.

In the view of the above, Authority decided to refer back the proposal and SEAC may examine the above-mentioned points and furnish the remarks to SEIAA.

Now, the proposal was again placed in the 348<sup>th</sup> SEAC Meeting held on 19.01.2023.

The PP has furnished the reply to the above shortcomings observed by SEIAA.

Sl. No.	Observations by the Authority	Our Submissions	Document Reference

  
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4	<p>As per the details filled by the proponent in Parivesli portal in Form - 2 Application for Prior Environmental Clearance</p> <div data-bbox="331 421 686 772" data-label="Text"> <p>On 01.07.2016, the concerned Kallakudi Unwashed mine under GO 263 after 15.01.2016 till 01.07.2016 and produced/transported of 1662 Tonnes of limestone. Operating the mine after 15.01.2016 without EC is in violation of the provisions 2005. It is observed that the mine was not properly managed from 01.07.2016 and there was no production from this mine since then.</p> </div> <p>Hence, from the above, it is ascertained that the violation period was 5.5 months which amounts to 165 days roughly.</p> <p>Subsequently, in the inspection report, in Damage Cost Evaluation, as per CPCB Guidelines Environmental compensation formula, the number of days of violation is considered to be 35 days and the Environmental compensation is arrived base on this period of violation.</p> <p>Hence, committee is requested to examine the period of violation days and accordingly may levy Environmental</p>	<p>The Lease is in temporary discontinuance from 01.07.2016.</p> <p>Though 5.5 months were there from 15.01.2016 to 30.06.2016, production of 1662 Tonnes in the Lease took place during March 2016 only say 31 days.</p> <p>As per CPCB Guidelines, No. of days violation took place has to be considered for Ecological Damage Assessment.</p> <p>However, 35 Mine Working Days were considered @ 35 TPD for despatched quantity of 1662 Tonnes as Worst-Case Scenario.</p> <p>Accordingly, Environmental Damage Cost was computed in higher side only.</p>	<p>IBM monthly Returns for the Period Jan.-Sep, 2016 are submitted.</p> <p>EIA Report Page No. 257</p>
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	compensation.		
5	<p>Further, in the Hydrogeological report submitted by the proponent in Page No.12, it is ascertained that "Fresh water demand of the plant is 2,705 KLD which is resently drawn from permitted 3,200 KLD from Coleroon River through the existing water supply system. Ground Water table in the Mine vicinity is found to be at 45 m BGL during Post monsoon season and 50 m BGL during Pre monsoon Season. Thus, Ground Water table will be intersected in 2 Leases viz. GO No. 76 &amp; GO No. 263 In Kallakudi Pit No. 1. Mine Pit Seepage Water quantity is 19,982 KL/Annum and Rain Water Realisation In</p>	<p>GO 263 Lease Area is only 0.285 Ha in Kallakudi Pit No. 1 and its contribution to Mine Pit Seepage is 22,109 KL/Annum i.e. 60.6 KLD only.</p> <p>Mine water demand of 4 KLD is being met from the Mine Pit water. It was mentioned wrongly as being met from Borewell.</p> <p>Kallakudi-Kovandakurichi (KLK-KVK) Mines are granted under 5 Leases in 4 Pits :</p> <p>Kallakudi Pit No. 1, Kallakudi Pit No. 2, Kovandakurichi Pit No. 3 (East &amp;</p>	<p>EIA Report Page Nos. 179-183 &amp;  Hydrogeolo gical Report Pg. No. 12</p>

	<p>the Mine Pit is 2,127 West Blocks).</p> <p>KL/Annum thus, total 22,109 KL/Annum i.e 60.6 KLD.</p> <p>Water demand of the Mine is only 4 KLD. Thus, the entire Mine Dewatering Quantity would be gainfully utilized." Since the water demand of the mine is only 4 KLD, the remaining dewatered quantity use shall be furnished.</p>	<p>Kovandakurichi Pit No. 4.</p> <p>Kallakudi Mines are in operation since 1939 and Kovandakurichi Mine Pits are in operation since 1952.</p> <p>These Leases cover a total extent of 191.265 Ha i.e. 111.985 Ha in Kallakudi Pits 1 &amp; 2 and 79.280 Ha in Kovandakurichi Pits 3 &amp; 4.</p> <p>Cumulative Mine Seepage water from all 4 Pits has been computed as 6,060 KLD (average). Out of which, 1,200 KLD is used for Mines utilisation &amp; green belt development and balance 4,860 KLD (maximum) is being pumped to Kallakudi Tank for irrigation purpose and gainfully utilised.</p>	
6	<p>Further, in the EIA report Submitted by the proponent, it is ascertained that cumulatively, KLK-KVK Mine Pits dewatering quantity is about 3,780 KLD during Pre monsoon and 8,340 KLD during Post monsoon Periods. The excess seepage water as</p>	<p>Kallakudi-Kovandakurichi (KLK-KVK) Mines are granted under 5 Leases in 4 Pits :</p> <p>Kallakudi Pit No. 1,</p> <p>Kallakudi Pit No. 2,</p> <p>Kovandakurichi Pit No. 3 (East &amp; West Blocks).</p>	<p>EIA Report Page Nos. 179-183</p>

well as Rain water collected from the Working Pits are pumped into No-working Pits and stored for further utilization. In an average, about 6,060 KLD from the Mine Pits is being dewatered. About 1,200 KLD is being utilized for meeting the Mines water demand. The balance quantity of 4,860 KLD can be utilized for supplementing the Raw water demand of the Plant. But, in the Hydrogeological report submitted by the proponent, it is mentioned as 4860 KLD will be pumped to Kallakudi Tank for irrigation purpose. Hence, the proponent is requested to clarify.

Kovandakurichi Pit No. 4.

Kallakudi Mines are in operation since 1939 and Kovandakurichi Mine Pits are in operation since 1952. These Leases cover a total extent of 191.265 Ha i.e. 111.985 Ha in Kallakudi Pits 1 & 2 and 79.280 Ha in Kovandakurichi Pits 3 & 4.


GO 263 Lease Area is only 0.285 Ha in Kallakudi Pit No. 1 and its contribution to Mine Pit Seepage is 22.109 KL/Annum i.e. 60.6 KLD only.

However, Cumulative Mine Seepage water from all 4 Pits has been computed as 6,060 KLD (average). Out of which, 1,200 KLD is used for Mines utilisation & green belt development and balance 4,860 KLD (maximum) is being pumped to Kallakudi Tank for irrigation purpose.

If the Kollidam River water supply is erratic, Mine Pit water is supplementing the Plant Raw Water

		<p>demand. Or, otherwise, 2,000 KLD (minimum) and 4,860 KLD (maximum) is being pumped to Kallakudi Tanks for irrigation purpose. This practice is being continued for the last 20 years on Public Demand.</p>	
6(i)	<p>Since, the initially planned purpose of utilizing 4860 KLD of mine pit water was for supplementing raw water demand of the plant and now that the proponent is proposing to supply 4860 KLD of mine pit water to Kallakudi Tank, what alternate source of water supply the proponent is going to use for supplementing raw water demand of the plant. Since, 4860 KLD (4.86 million Liters of water per day) is a huge quantity to be replaced by alternate source of raw water.</p>	<p>Dalmiapuram Cement Plant water requirement is met from River Kolli dam. Consented quantity is 3,200 KLD, dated 26.07.2012 signed by DCBL and Suptdg. Engr., WRD, Middle Cauvery Basin Circle, Trichy is valid for 5 years from 27.10.2018 to 26.10.2023 on renewal basis.</p> <p>Mine Pit water is used whenever river water supply is disturbed/not available.</p>	<p>Agreement dated 26.07.2012 is submitted.</p>
6(ii)	<p>Otherwise, the proponent is proposing to supply the mine pit water of 4860 KLD to Kallakudi Tank. Hence, the proponent is requested to furnish the details regarding</p>	<p>Kallakudi Tank is surrounded by Kallakudi Town panchayat Settlements with its natural water courses are totally cut-off, The water source to the Tank is mine pit water only.</p>	

  
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	<p>whether permission is /was obtained from the PWD/Competent Authority to discharge the mine pit water to the Kallakudi which is a public utility tank.</p>	<p>Water from the Tank is continuously feeding the channels downstream and utilized for irrigation.</p> <p>This practice is being continued for the last 20 years on Public Demand.</p> <p>No permission is obtained from PWD.</p>	
6(iii)	<p>Further, the proponent is requested to provide details regarding the present water quality of the Kallakudi tank and the anticipated water quality of the mine pit water. The treatment methodology that will be adopted to equalize the quality of mine pit water to the quality of the Kallakudi tank in order to prevent further degradation of the water quality of Kallakudi Tank.</p>	<p>Kallakudi Mine Pit water quality was found to be in compliance with IS: 10500-2012 Norms. After Suspended Solids settlement, no further treatment is required.</p> <p>Pit water is the only source to the Tank, water quality is the same as Kallakudi Mine Pit water quality.</p> <p>Water from the Tank is continuously feeding the channels downstream and utilized for irrigation.</p> <p>There was no water quality complaint raised by the local so far.</p>	<p>EIA Report</p> <p>Page No.</p> <p>130</p>
6(iv)	<p>Further, the proponent shall furnish the details of the treatment system and its adequacy report to cater to 4860 KLD (4.86 MLD) of raw water that has to be equalized to the quality of Kallakudi</p>	<p>The Mine Pit seepage is collected in the bottom most benches and allowed for Suspended Solids settlement. Clear water is being pumped to the Tank with TDS in the range 340 mg/l and Hardness</p>	<p>EIA Report</p> <p>Page No.</p> <p>130</p>

	<p>Tank before discharging. 130mg/l.</p> <p>Hence, the proponent must include the Capital cost of the treatment plant and its lifelong maintenance of the proposed water treatment plant in the EMP and shall revise the EMP budget accordingly.</p>	<p>Mine Pit water quality was found to be in compliance with IS: 10500-2012 Norms and no further treatment is required as such.</p> <p>As in practice, no further treatment is required for the water.</p> <p>Thus, EMP budget declared in EIA holds good.</p>	
7	<p>Further, as per the ToR issued under violation ide Lr No. SEIAA-TN/F.No.6409/TOR-495/2018. Dated: 13.06.2018 in standards Terms of Reference in page No. 12, point no. 28 "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. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and</p>	<p>DCBL has applied to State Ground &amp; Surface Water Resources Data Centre, PWD, Tharamani for dewatering NOC on 22.03.2017.</p> <p>They sought some clarifications on 20.04.2017 which have been addressed by DCBL.</p> <p>NOC is under perusal of the Department.</p>	<p>Copy of the Application is submitted.</p>

  
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impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished."

Based on the above the proponent has submitted the hydrogeological report but the proponent has not submitted the necessary permission obtained from Central Ground Water Authority (CGWA) regarding working below the ground water table and for pumping of intersected ground water to Kallakudi Tank. Hence, the proponent is requested to obtain NOC from the CGWA and furnish the same and comply with the ToR condition issued earlier.

- |   |   |
|---|---|
| B Further, as per the minutes of 309 <sup>th</sup> SEAC meeting held on 02.09.2022, point no. 3 "Data regarding the flow rate | Natham village is located near Kollidam intake point. About 3,200 KLD is permitted to DCBL for Industrial and domestic use. |
|---|---|



of water supply from the proposed mine lease area to the Natham village Tank shall be submitted." The proponent has not provided data regarding the above. Hence, the proponent is requested to submit the data regarding the flow rate of Fresh water demand of the Plant which is presently drawn from permitted 3.200 KLD from Coleroon River through the existing water supply system	It is being pumped to the Plant by approx. 11 km pipeline.	
	There is no scope of water supply from mine to the Natham village tank.	

Now the proposal was placed for reappraisal in this 348<sup>th</sup> meeting of SEAC held on 19.01.2023. The PP has furnished a detailed reply covering the points raised by SEIAA. Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 325<sup>th</sup> meeting of SEAC held on 03.10.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

**Agenda No: 348-07**

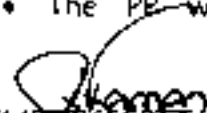
**(File No: 6900/2022)**


**Existing Black Granite quarry lease over an extent of 6.00.0 Ha S.F.Nos.1193/1 (Part-15) Kodakkal Village, Sholingur Taluk, Ranipet District, Tamil Nadu by M/s TAMIL - For amendment in Environmental Clearance Issued (SIA/TN/MIN/293469/2022 Dt: 01.11.2022)**

Earlier, the proposal was placed in 329<sup>th</sup> meeting of SEAC held on 16.11.2022. The details of the project are available in the website ([parivesh.nic.in](http://parivesh.nic.in)).

**SEAC noted the following:**

- The PP was issued with Environmental Clearance vide Lt.No.SEIAA-

  
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TN/F.No.6900/T(a)/EC.No:4615/2020 dated:27.03.2021 for the production in ROM: 90011 M<sup>3</sup>, 9002 m<sup>3</sup> of black granite and Granite Waste: 81009 m<sup>3</sup> Black Granite for the period of 5 Years from the date of Execution of mining lease.

- Now, the PP has applied for the following amendment in the existing EC issued since the recovery percentage increased from 10% to 20%:

Production qty as per EC	Amendment Sought
RoM: 90011 m <sup>3</sup>	RoM: 72018 m <sup>3</sup>
Black Granite: 9002 m <sup>3</sup>	Black Granite: 14403 m <sup>3</sup>
Granite Waste: 81009 m <sup>3</sup>	Granite Waste: 57615 m <sup>3</sup>
For the period of 5 Years	For the remaining period of EC

Based on the presentation & details furnished by the PP, the SEAC decided to recommend the above mentioned amendments, as requested, in the existing EC issued, subject to the following conditions.

- The existing conditions as mentioned in the EC vide Lr.No SEIAA-TN/F.No.6900/T(a)/EC.No:4615/2020 dated:27.03.2021 remains unaltered.

Subsequently, the subject was placed in the 574<sup>th</sup> authority meeting held on 29.11.2022. The Authority during discussions, noted the following:

- EC was accorded for a production capacity of 9002m<sup>3</sup> of granite at 10% recovery only. Now, the production capacity has increased from 10% to 20%. Hence, the number of truckloads might also increase twofold and there will be significant increase in pollution load. Hence the proponent shall furnish details on the changes in Environmental settings because of the increased production.


- As per the MoEF&CC O.M dated 11.04.2022,

Under para 4, point (v) and (vii) states as follows:

*"..... Predicted environmental quality parameters arising out of proposed expansion/modernisation shall be within the prescribed norms and the same shall be maintained as per prescribed norms..."*

*".....The project proponents should have satisfactorily complied the conditions stipulated in the existing EC(s) and satisfactorily fulfilled*

  
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*all the commitments made during the earlier public hearing/consultation proceedings and also the commitments given while granting previous expansion, as may be applicable. This shall be duly recorded in the certified compliance report issued by the IRO / CPCB/ SPCB, which should not be more than one year old at the time of submission of application...."*

In the present case, there will be changes in environmental quality parameters because of an increase in production quantity and pollution load.

iii) Under para 5,

Scenario	Intended change through modernization/ change of product mix/ expansion	Requirement of revised EIA/ EMP report	Requirement of Certified Compliance Report	Requirement of Fresh Public Consultation	Whether reference to Appraisal Committee is required
I	Projects which involve modernization/ change of product mix without increase in production capacity but with increase in pollution load.	Yes	Yes	No	Yes
II	Up to 20 percent based on environmental safeguards conditions.	Yes	Yes	No	Yes
III	Up to 40 percent based on successful compliance of previous environmental safeguard conditions related to expansion of 20 percent.	Yes	Yes	No	Yes
IV	More than 40 percent but less than 50 Percent based on successful compliance of previous environmental safeguard conditions related to expansion of 40 percent.	Yes	Yes	Yes	Yes

Since there is increase in production capacity and pollution load, the current proposal seems to match with Scenario I. Hence, the proponent may have to produce a revised EIA report and a Certified Compliance Report for the EC issued

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27.03.2021.

iv) Also under para 2 (a).

*"..Projects seeking prior EC for expansion with increase in the production capacity beyond the capacity for which prior environmental clearance was granted [with increase in lease area or production capacity in mining projects] shall be considered by the concerned Expert Appraisal Committee [or SEAC, as the case maybe] to decide whether Environment Impact Assessment and public consultation need to be carried out for grant of EC.."*


In view of these, SEIAA decided to refer back the proposal to SEAC for remarks on the above-mentioned points.

In view of this, the proposal is again placed in this 348<sup>th</sup> meeting of SEAC held on 19.01.2023 for re-appraisal.

The project proponent gave a re-presentation giving justification for the details requested by SEIAA.

SEAC carefully considered the request of the PP based on the presentation made and the details furnished by the PP. SEAC noted the following.

1. The term RoM includes raw, unprocessed or uncrushed material in its natural state obtained after blasting, digging, cutting or scraping from the mineralized zone of a lease area.
2. The quantity of 'saleable mineral' depends on many factors such as the geology of the site, technology, workmanship, etc, and, therefore, is difficult to estimate accurately, while RoM can easily be estimated at the time of preparation of mining plan.
3. SEAC recommended EC for the project based on the EIA/PFR/EMP report and approved mining plan wherein the details of production of RoM, mineral and mineral waste were mentioned.
4. EMP for the project has been finalised based on total RoM & peak annual RoM and not based on 'saleable mineral.'

  
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5. SEAC noted that the PP has not asked for any change in the area, or in RoM, or in the peak annual RoM.

6. Besides, the mine is currently in operation and comply with the conditions as stipulated in the EC.

Hence, based on the presentation and the details furnished by the project proponent, the SEAC decided to confirm the recommendation already made in 329<sup>th</sup> SEAC Meeting held on 16.11.2022. All other conditions stipulated in the earlier minutes will remain unaltered.


**Agenda No: 348 - 08**

**File No: 6906**


**Proposed Ottakovil Lime Kankar quarry lease over an extent of 22.81.5 Ha at S.F. Nos. 116/1, 2, 3, 4A, 4B, 5, 6, 7, 8, 9, 10, 11 & 12, 117/3, 4, 5, 6, 7A, 7B, 8A, 8B, 9A & 9B, 118/1, 2, 3, 4, 5A, 5B, 6A, 6B, 7, 8A, 8B, 9, 10A, 10B, 11, 12, 13, 14, 15, 16, 17A, 17B, 18A, 18B & 18C, 119/1C, 1D, 1E, 1F, 2, 3A, 3B, 4A, 4B1, 4B2, 5A, 5B, 5C, 6A, 6B & 6C (Part), 211/1A, 1B, 2A, 2B, 3A, 3B, 4, 5, 6, 7, 8A (Part), 8B & 9 and 212/1A, 1B, 1C, 2, 3 & 4 of Ottakovil Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu by M/s. The Ramco Cements Limited - For Environmental Clearance. (SIA/TN/MIN/294553/2022, Dated: 25.11.2022)**

**The SEAC noted the following:**

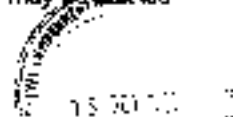
1. Earlier, the Project Proponent, M/s. The Ramco Cements Limited has applied for Environmental Clearance for the proposed Expansion of Ottakovil Lime Kankar Mine lease over an extent of 22.81.5 Ha at S.F. Nos. 116/1, 2, 3, 4A, 4B, 5, 6, 7, 8, 9, 10, 11 & 12, 117/3, 4, 5, 6, 7A, 7B, 8A, 8B, 9A & 9B, 118/1, 2, 3, 4, 5A, 5B, 6A, 6B, 7, 8A, 8B, 9, 10A, 10B, 11, 12, 13, 14, 15, 16, 17A, 17B, 18A, 18B & 18C, 119/1C, 1D, 1E, 1F, 2, 3A, 3B, 4A, 4B1, 4B2, 5A, 5B, 5C, 6A, 6B & 6C (Part), 211/1A, 1B, 2A, 2B, 3A, 3B, 4, 5, 6, 7, 8A (Part), 8B & 9 and 212/1A, 1B, 1C, 2, 3 & 4 of Ottakovil Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Environmental Clearance was issued vide Lr. No. SEIAA-TN/F.No.6906/1(a)/EC No:5144/2020 dated: 11.07.2022.
4. The authority in its 574<sup>th</sup> SEIAA meeting held on 29.11.2022 noted that the project proponent, M/s.The Ramco Cements Limited has applied for EC

  
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**Corrigendum** for the proposed Lime stone mine over an Extent of 22.81.5 Ha located at S.F. Nos.116/1, 116/2, 116/3, 116/4A, 116/4B, 116/5, 116/6, 116/7, 116/8, 116/9, 116/10, 116/11 & 116/12, 117/3, 117/4, 117/5, 117/6, 117/7A, 117/7B, 117/8A, 117/8B, 117/9A & 117/9B, 118/1, 118/2, 118/3, 118/4, 118/5A, 118/5B, 118/6A, 118/6B, 118/7, 118/8A, 118/8B, 118/9, 118/10A, 118/10B, 118/11, 118/12, 118/13, 118/14, 118/15, 118/16, 118/17A, 118/17B, 118/18A, 118/18B & 118/18C, 119/1C, 119/1D, 119/1E, 119/1F, 119/2, 119/3A, 119/3B, 119/4A, 119/4B1, 119/4B2, 119/5A, 119/5B, 119/5C, 119/6A, 119/6B & 119/6C (Part), 211/1A, 211/1B, 211/2A, 211/2B, 211/3A, 211/3B, 211/4, 211/5, 211/6, 211/7, 211/8A (Part), 211/8B & 211/9 and 212/1A, 212/1B, 212/1C, 212/2, 212/3 & 212/4 of Ottakovil Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu.

Application Made for	SEAC Recommendation	SEIAA Approval	Discrepancy in awarded EC	Corrigendum Required
Production 1,20,000 TPA ROM (EIA Report Page No. 50)	258 B & 285-05 Total Production should not exceed 1,20,000 TPA (ROM)	530-5 Total Production should not exceed 1,20,000 TPA (ROM)	Page 4 -Sl. No. 12 Production (Quantity in m <sup>3</sup> ) 1,21,000 Tonnes of Lime Kankar	Page 4 -Sl. No. 12 Production (Quantity in Tonnes/Annum) 1,20,000 Tonnes of Lime Kankar
Validity Approved Mining Plan for 5 Years	For the Production of 1,20,000 TPA Lime Kankar (ROM) for a period of five years states	To grant EC for the period of 5 years ... and total production quantity should not exceed 1,20,000 TPA on ROM basis	Page No. 5 The EC is granted for the production in 1,20,000 Tonnes of Lime Kankar for the period of 5 year	The EC is granted for the production in 1,20,000 TPA of Lime Kankar on ROM basis for the period of 5 year
EIA Report Pg. 42 Lease is valid for 10 years			Page 21 Part A Condition-2 Mining activity should be reviewed by the District Collector	Part A Condition-2 may be deleted 


Application Made for	SEAC Recommendation	SEIAA Approval	Discrepancy in awarded EC	Corrigendum Required
2 Shift Operations (EIA Report Page No. 48)			after three years and decide further extension Part A Condition-11 The quarrying operations shall be restricted between 7 AM and 5 PM	Quarrying operations shall be restricted to 2 Shifts operations
No Drilling & Blasting is involved (EIA Report Page No. 46)			Part A Conditions-15, 16, 17 & 18 Drilling & Blasting Conditions	Part A Conditions-15, 16, 17 & 18 Drilling & Blasting Conditions may be deleted
As shallow quarrying is involved (upto 2.5 m BGL) no ground water intersection and thus no hydrogeological report is required (EIA Report Page No. 138)			Part A Condition-79 Hydrogeological study of the area shall be reviewed annually and report submitted to the Authority.	Part A Condition-79 may be deleted


In view of the above, the authority after detailed discussion decided to send the proposal to SEAC for appraisal and recommendations.

Now, the proposal was placed in the 348<sup>th</sup> SEAC Meeting held on 19.01.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend to SEIAA to issue the above-mentioned corrigendum in the EC issued earlier dated 11.07.2022. All other conditions stipulated in the EC given vide Lr. No. SEIAA-TN/F.No.6906/1(a)/EC No:5144/2020 dated: 11.07.2022 will remain unaltered.

Agenda No: 348-09  
(File No: 6907/2022)

Proposed Expansion of Reddipalayam Urne stone production of RPM Mine from 1.7 MTPA to 3.0 MTPA lease over an extent of 63.60.0 Ha at S.F.No. 239, 243, 244, 249, 298, 299, 300, 301, 302, 303, 373, 374, 375, 376, 380, 381, 382, 383, 384, 385, 401, 402, 403 and 404 of Reddipalayam village & S.F.No. Parts of 67, 68 & 69 Parts of Nagamangalam Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu by M/s.

  
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**The Ramco Cements Limited - For Corrigendum in Environmental Clearance.  
(SIA/TN/MIN/292913/2009 Dt.14.10.2022)**

The proposal was placed in 348<sup>th</sup> SEAC meeting held on 19.01.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:


1. Earlier, the Project Proponent, M/s. The Ramco Cements Limited has applied for Environmental Clearance for the proposed Expansion of Reddipalayam Limestone Mine lease over an extent of 63.60.0 Ha at S.F.No. 239, 243, 244, 249, 298, 299, 300, 301, 302, 303, 373, 374, 375, 376, 380, 381, 382, 383, 384, 385, 401, 402, 403 and 404 of Reddipalayam village & S.F.No. Parts of 67, 68 & 69 Nagamangalam Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Environmental Clearance was issued vide Lr.No.SEIAA-TN/F.No.6907/1(a)/EC.No :5145/2022 Dated : 11.07.2022.
4. Now the PP has applied for Corrigendum in awarded EC as stated below.

Application Made for	SEAC Recommendation	SEIAA Approval	Discrepancy awarded EC	in Corrigendum Required
Limestone Production of 3.00 MTPA	256-7 & 285-06 Total Production should not exceed 3.0 MTPA Limestone with an ultimate depth of mining is 60 m BGL	530-6 Total Production should not exceed 3.0 MTPA Limestone with an ultimate depth of mining is 60	{Page 3 -Sl. No. 12} Production {Quantity in m <sup>3</sup> } 3.0 MTPA limestone	{Page 3 -Sl. No. 12} Production {Quantity in MTPA} 3.0 MTPA Limestone

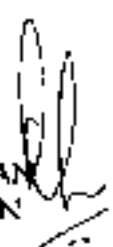


	m BGL		
Water Source: - Mine Pit Seepage Water	-	(Page No. 4; Sl. No. 16) Water Vendors	(Page No. 4; Sl. No. 16) Water Source: Mine Pit Seepage Water
Lease is valid till - 22.07.2054 (EIA Report Pg. 45 & EC Ptn. Pg 23)	-	(Page 21 Part A Condition- 2) Mining activity should be reviewed by the District Collector after three years and decide further extension	(Part A Condition-2) may be deleted
EC Pg 38  3 Shift Operations (EIA Report Page No. 47)	-	Part A Condition- 11 The quarrying operations shall be restricted between 7 AM and 5 PM	Quarrying operations shall be on 3 Shifts operations

Based on the presentation and document furnished by the project proponent, SEAC decided to recommend to SEIAA to issue the above-mentioned corrigendum in the EC issued earlier dated, 11.07.2022. All other conditions stipulated in the EC given vide Lr.No, SEIAA-TN/F.No.6907/1(a)/EC.No :5145/2020 Dated: 11.07.2022 will remain unaltered.

  
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**Agenda No. 348-10**

**(File No.7569/2020)**

**Proposed Multi Colour Granite quarry lease over an extent of 2.43.0 Ha in S.F.No. 441/4A, K.Pichampatti Village, Karur Taluk, Karur District, Tamil Nadu by Tmt. Nama Umadevi - For Environmental Clearance (SIA/TN/MIN/69093/2020 dated: 17.11.2021)**

The proposal was placed in 348<sup>th</sup> Meeting of SEAC held on 19.01.2023. The details of the project furnished by the proponent are available in the website ([www.parlvesh.nic.in](http://www.parlvesh.nic.in)).

**The SEAC noted the following:**

1. The Proponent, Tmt.NamaUmadevi, has applied for Environmental Clearance for the proposed Multi Colour Granite quarry lease over an extent of 2.43.0 Ha. in S.F.No. 441/4A, K.Pichampatti Village, Karur Taluk, Karur 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 Letter No. SEIAA -TN/F.No.7569/SEAC/TOR-741/2020, Dated:14.08.2020.
4. Minutes of Public Hearing Conducted on 25.08.2021.
5. Lease granted as per Precise area communication period is for a period of 20 years under Rule 19-A of the Tamil Nadu Minor Mineral Concession Rules, 1959.
6. The PP has constructed the fencing and Garland drain all around the boundary of the proposed working quarry. And also, the PP has planted the trees around the proposed mining area.
7. Earlier, this proposal was placed in the 336<sup>th</sup> Meeting of SEAC held on 07.12.2022.
8. 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 total excavation as per mining plan shall not exceed 42070 m<sup>3</sup> of ROM which includes 25242 m<sup>3</sup> of Recovered Multi Colour Granite @ 60%, 16828 m<sup>3</sup> of Granite Waste @ 40%, and 5034 m<sup>3</sup> of Weathered Rock. However, It shall also not exceed the Annual peak

production of 8910 m<sup>3</sup> of ROM with maintaining the ultimate depth 18m BGL subject to the standard conditions & normal conditions stipulated by MOEF & CC, in addition to the specific conditions stated therein.


9. Subsequently, this proposal was placed in the 581<sup>st</sup> Meeting of SEIAA held on 22.12.2022. The Authority, after detailed discussions, decided to refer back the proposal to SEAC for seeking clarification/ details on the following points from the proponent:

- i. The EMP furnished for 20 years is very sketchy with 5% cost inflation. Near actual for every year to be worked out indicating the items of works to be taken up for every year clearly.
- ii. Details of work/ strategies to be executed for the mitigation of Environmental damages to be indicated every year for 20 years.
- iii. The proponent shall clarify whether the 5% inflation assumed be sufficient to handle the expenses as the years advance.
- iv. The impact of mining on vegetation and Bio-diversity and the plan/ strategy to mitigate them shall be provided for 20 years with cost breakup.
- v. The impact on agriculture, soil erosion and water table shall be studied and the plan/ strategy to mitigate them shall be provided for 20 years with cost breakup.
- vi. Water and energy conservation measures and the cost required for their implementation shall be provided for 20 years.
- vii. The EMP should cover the detailed budget for every year for air, water, noise and waste management including green belt.

Again, the proposal was placed for reappraisal in this 348<sup>th</sup> Meeting of SEAC held on 19.01.2023. The PP has furnished the following replies to all the points raised by SEIAA.

SEIAA Query No	Query	Reply
1	The EMP furnished for 20 years is very sketchy with	The tentative recurring cost is provided under Recurring Cost Column and 5%

  
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	5% cost inflation. Near actual for every year to be worked out indicating the items of works to be taken up for every year clearly.	Inflation is calculated based on increase in the level of prices of the goods and services of past data and recommendations of SEAC.
2	Details of work/strategies to be executed for the mitigation of Environmental damages to be indicated every year for 20 years.	The details of strategies to be implemented as Mitigation Measures are already detailed under Column Mitigation Measure and corresponding Provision for Implementation with Capital Cost and Recurring Cost every Year for Life of Mine is provided.
3	The proponent shall clarify whether the 5% inflation assumed be sufficient to handle the expenses as the years advance.	5% Inflation is calculated based on increase in the level of prices of the goods and services of past data and recommendations of SEAC and it does justify for the expenses as the years advance.
4	The impact of mining on vegetation and Bio-diversity and the plan/strategy to mitigate them shall be provided for 20 years with cost breakup.	The proposed project is a B1 - Cluster Category Mining Project and impact on vegetation and Bio-diversity is studied in detail under the EIA Report and inference is no significant impact is anticipated and the Management Plan and Strategy is detailed under the EMP Table with Column Mitigation Measure and corresponding Provision for Implementation with Capital Cost and Recurring Cost every Year for Life Mine is provided.
5	The impact on agriculture, soil erosion and water table shall be studied and the plan/strategy to mitigate them shall be provided for 20 years with cost breakup.	The proposed project is a B1 - Cluster Category Mining Project and impact on agriculture, soil erosion and water table is studied in detail under the EIA Report (chapter No.7. pg.no:107-112) and inference is no significant impact is anticipated and the Management Plan and Strategy is detailed under the EMP Table with Column Mitigation Measure

		and corresponding Provision for Implementation with Capital Cost and Recurring Cost every Year for Life of Mine is provided.
6	Water and energy conservation measures and the cost required for their implementation shall be provided for 20 years.	The water conservation measures are proposed by using the rain water harvested within the lease area for dust suppression and greenbelt development and remaining shall be met out from local vendors. Similarly, the energy conservation in this proposal is limited only consumption of fuel by proposed machineries for deployment and the conservation is proposed by deploying PUC Certified Machineries with latest BS-VI machines and the same is covered under Project Cost.
7	The EMP should cover the detailed budget for every year for air, water, noise and waste management including green belt.	The EMP is already formulated as suggested by providing attributes in Rows for Air Environment, Noise Environment, Water Environment, Waste Management, Star Rating, Greenbelt Development, Implementation of EC, Mining Plan and DGMS Conditions and Mine Closure Attribute. And corresponding budget provision is provided under column as Capital Cost and Recurring Cost.

The SEAC carefully examined the replies furnished by the PP and decided to reiterate its recommendation already made in the 336<sup>th</sup> SEAC meeting held on 07.12.2022. All the conditions recommended will also remain unchanged.


Agenda No: 348-11

(File No: 7954/2021)

Proposed Rough stone quarry lease area over an extent of 1.22.0Ha at S.F.Nos. 76 and 140 (Part-4), Nathathehalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu by Thiru. P.Periyannan -For Environmental Clearance (SIA/TN/MIN/174650/2020 Dt. 22.9.2020)

The proposal was placed for appraisal in this 348<sup>th</sup> meeting of SEAC held on

  
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19.01.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, Thiru. P.Periyannan has applied for Environmental Clearance for the Rough stone quarry lease over an extent of 1.22.0Ha at S.F.Nos. 76 and 140 (Part-4), Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. Earlier, this proposal was placed for appraisal in the 317<sup>th</sup> meeting of SEAC held on 06.10.2022 respectively. 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 total production quantity of 96154 m<sup>3</sup> of Rough stone & 5904 Weathered Rock and not to exceed the Annual Peak Production capacity of 34265 m<sup>3</sup> of Rough stone with restricting the ultimate pit depth of 20 m, subject to the standard conditions as per the Annexure 1 of this minutes & normal conditions stipulated by MOEF &CC, in addition to the specific conditions stated therein.
4. Subsequently, this proposal was placed for appraisal in the 571<sup>st</sup> meeting of SEIAA held on ~~21.11.2022~~ 22.11.2022. After detailed discussion, the Authority noted that a complaint letter has been received from the Member Secretary/TNPCB vide Lr. No.TNPCB/F.22649/DMP/Complaint section/2020 dated 17.12.2020 enclosing the copy of complaint received from the Public of the Nathathahalli Village against the proposed quarry. Hence, the Authority decided that upon the receipt of the action taken report by the Competent Authority, further course of action will be taken. Now, the Proponent has submitted an Affidavit of Nathathahalli village people on 07.11.2022 stating that they have no objection for quarrying Rough stone in the proposed mining area. In this connection, the Authority decided to request the Member Secretary SEIAA-TN to refer back the

proposal to SEAC-TN stating the following reasons.

- i. The possible impacts of the quarry operation on the inhabitation and their assets like house, property & livelihoods shall be studied.
- ii. The impacts of the vibration, air pollution, water table, water resources may be examined.
- iii. Possible impacts of soil erosion, flood movements, loose boulders, land vulnerability, silting of pond on inhabitation and other instabilities to the Infrastructure may be examined in the light of the following.
- iv. As per the kml uploaded by the proponent in the online through the Parivesh portal, it is ascertained that there are many structures exist within 300m from the proposed mine lease area. A structure exists at 50m from the proposed area. Since the mining involves blasting, considering the safety point of view,

As per Tamil Nadu Minor Mineral Concession Rules, 1959 under section V – Miscellaneous in para 36. General restrictions in respect of quarrying operations: (c)

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

Again, the proposal was placed for reappraisal in this 348<sup>th</sup> meeting of SEAC held on 19.01.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to obtain following details from the PP.

1. The PP shall enumerate the structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m with details such as dwelling houses with number of occupants, places of worship, industries, factories, sheds, etc.
2. The PP shall furnish a report on the scientific studies carried out for the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust

  
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caused due to the proposed Quarrying operations on the Surrounding Structures including Wind Mills, Habitations and Water bodies located within 300 m. from the quarry lease', from any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, National Institute of Rock Mechanics (NIRM)-Bangaluru, IIT (ISM)-Dhanbad, NIT-Dept of Mining Engg. Surathkal.

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

**Agenda No: 34B-12**

**(File No: 7993/2020)**

**proposed of Rough stone Quarry lease over an extent of 1.56.0Ha in S.F.No. 306 (Part-I) of Pannapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru.V.Venkatachalam- for Environmental Clearance. (SIA/TN/MIN/406563/2022 Dated 15.11.2022)**

Earlier, this proposal was placed in 336<sup>th</sup> Meeting of SEAC held on 07.12.2022. The details of the minutes are available in the website ([www.pavvesh.nic.in](http://www.pavvesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, Thiru.V.Venkatachalam has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 1.56.0 Ha at S.F.No.306 (Part) of Pannapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item I(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 4,37,150 m<sup>3</sup> of Rough Stone and 15,218 m<sup>3</sup> of Topsoil with an ultimate depth of mining 52m (22m AGL + 30m BGL)[as per approved ToR]. The annual peak production 142510 m<sup>3</sup> of Rough Stone (5<sup>th</sup> year) and 15218 m<sup>3</sup> of Gravel (1<sup>st</sup> year).
4. ToR issued- Lr.No.SEIAA-TN/F.No.7993/SEAC/ToR-993/2020  
Dated:16.04.2021.

  
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5. Public hearing conducted on Dated:28.06.2022.

The proposal was placed for appraisal in the 336<sup>th</sup> meeting of SEAC held on 07.12.2022 and the SEAC decided to recommend the proposal for issue of Environmental Clearance subject to the conditions stated therein. The subject was placed in the 581<sup>st</sup> Authority meeting held on 22.12.2022. The Authority, after detailed discussions, decided to refer back the proposal to SEAC for seeking clarification/ details on the following points from the proponent:

- (i) The EMP furnished for 10 years is very sketchy with 5% cost inflation. Near actual for every year to be worked out indicating the Items of works to be taken up for every year clearly.
- (ii) Details of work/ strategies to be executed for the mitigation of Environmental damages to be indicated every year for 10 years.
- (iii) The proponent shall clarify whether the 5% inflation assumed be sufficient to handle the expenses as the years advance.
- (iv) The impact of mining on vegetation and Bio-diversity and the plan/ strategy to mitigate them shall be provided for 10 years with cost breakup.
- (v) The impact on agriculture, soil erosion and water table shall be studied and the plan/ strategy to mitigate them shall be provided for 10 years with cost breakup.
- (vi) Water and energy conservation measures and the cost required for their implementation shall be provided for 10 years.
- (vii) The EMP should cover the detailed budget for every year for air, water, noise and waste management including green belt.

Now the proposal was placed in this 348<sup>th</sup> Meeting of SEAC held on 19.01.2023. The PP has furnished the reply to the above shortcomings observed by SEIAA.


SEIAA Query	Query	Reply	
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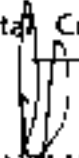
  
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No		
1	The EMP furnished for 20 years is very sketchy with 5% cost inflation. Near actual for every year to be worked out indicating the items of works to be taken up for every year clearly.	The tentative recurring cost is provided under Recurring Cost Column and 5% Inflation is calculated based on increase in the level of prices of the goods and services of past data and recommendations of SEAC.
2	Details of work/ strategies to be executed for the mitigation of Environmental damages to be indicated every year for 20 years.	The details of strategies to be implemented as Mitigation Measures are already detailed under Column Mitigation Measure and corresponding Provision for Implementation with Capital Cost and Recurring Cost every Year for Life of Mine is provided.
3	The proponent shall clarify whether the 5% inflation assumed be sufficient to handle the expenses as the years advance.	5% Inflation is calculated based on increase in the level of prices of the goods and services of past data and recommendations of SEAC and it does justify for the expenses as the years advance.
4	The impact of mining on vegetation and Bio-diversity and the plan/ strategy to mitigate them shall be provided for 20 years with cost breakup.	The proposed project is a B1 - Cluster Category Mining Project and impact on vegetation and Bio-diversity is studied in detail under the EIA Report and inference is no significant Impact is anticipated and the Management Plan and Strategy is detailed under the EMP Table with Column Mitigation Measure and corresponding Provision for Implementation with Capital Cost and


  
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		Recurring Cost every Year for Life Mine is provided.
5	The Impact on agriculture, soil erosion and water table shall be studied and the plan/strategy to mitigate them shall be provided for 20 years with cost breakup.	The proposed project is a B1 - Cluster Category Mining Project and impact on agriculture, soil erosion and water table is studied in detail under the EIA Report (chapter No.7, pg.no:135-143) and inference is no significant impact is anticipated and the Management Plan and Strategy is detailed under the EMP Table with Column Mitigation Measure and corresponding Provision for Implementation with Capital Cost and Recurring Cost every Year for Life of Mine is provided.
6	Water and energy conservation measures and the cost required for their implementation shall be provided for 20 years.	The water conservation measures are proposed by using the rain water harvested within the lease area for dust suppression and greenbelt development and remaining shall be met out from local vendors. Similarly, the energy conservation in this proposal is limited only consumption of fuel by proposed machineries for deployment and the conservation is proposed by deploying PUC Certified Machines with latest BS-VI machines and the same is covered under Project Cost.
7	The EMP should cover the detailed budget for every year for air, water, noise and	The EMP is already formulated as suggested by providing attributes in Rows for Air Environment, Noise Environment,

  
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waste management including green belt.	Water Environment, Waste Management, Star Rating, Greenbelt Development, Implementation of EC, Mining Plan and DGMS Conditions and Mine Closure Attribute. And corresponding budget provision is provided under column as Capital Cost and Recurring Cost.
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The committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to reiterate its recommendation already made in 336<sup>th</sup> Meeting of SEAC held on 07.12.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

**Agenda No: 348-13**

**(File No: 8243/2021)**

**Proposed Rough Stone & Gravel quarry lease over an extent of 0.71.5 Ha at S.F.Nos. 383/1(P) & 383/2A2A1 (P) of Morattupalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu by Thiru.K.Senthilkumar - For Environmental Clearance (SIA/TN/MIN/59860/2021, dated: 13.01.2021)**

Earlier, this proposal was placed for appraisal in this 299<sup>th</sup> meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are given in the website ([parivesh.nic.in](http://parivesh.nic.in)).

The SEAC noted the following:

1. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
2. TOR was issued vide Lr No. SEIAA-TN/F.No.8243/SEAC/ToR-918/2020 Dated: 16.03.2021.
3. Public Hearing was conducted on 23.08.2021.
4. EIA report was submitted on 30.09.2021.

Based on the presentation made by the proponent, SEAC recommended to grant of Environmental Clearance for the production quantity of 15,300 m<sup>3</sup> of rough stone with Annual Peak Production Capacity of 4950 m<sup>3</sup> (4<sup>th</sup> year) of Rough stone keeping an ultimate depth of 32m as per the mining plan, subject to the stipulated conditions.

  
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Subsequently, the proposal was placed in the 548<sup>th</sup> Authority meeting held on 01.09.2022 and the Authority after detailed deliberation decided to call for additional details from the proponent.

1. The proponent is requested to furnish the certified compliance report for the quarrying activity carried out earlier in the proposed mine lease area.

Again, the proposal was placed in the 575<sup>th</sup> Authority meeting held on 06.12.2022. The proponent had submitted the Certified Compliance Report to the O/o SEIAA on 20.10.2022. On the receipt of CCR, SEIAA noted that certain conditions have not been complied. Hence, SEIAA decided that SEAC shall examine the above submitted Certified Compliance Report for grant of Environmental Clearance and furnish the remarks to SEIAA.

Now the proposal was placed for reappraisal in this 348<sup>th</sup> meeting of SEAC held on 19.01.2023. The PP has furnished a detailed reply covering the points raised by SEIAA. Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 303<sup>rd</sup> meeting of SEAC held on 18.08.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

**Agenda No: 348-14.**

**(File No: 8401/2021)**

**Proposed of Grey Granite Quarry lease over an extent of 1.10.0Ha in S.F.Nos.373/1A, 373/1B(P) of Chendarapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by Thiru.B.Syednazar Babulal- Environmental Clearance (SIA/TN/MIN/77119/2021 Dt. 21.05.2022)**

Earlier, this proposal was placed in this 323<sup>rd</sup> meeting of SEAC held on 20.10.2022. The details of the project furnished by the proponent are given in the website ([parivesh.nic.in](http://parivesh.nic.in)).

**The SEAC noted the following:**

1. The project proponent, Thiru.B.Syednazar Babulal has applied for Environmental Clearance for the Proposed of Grey Granite Quarry lease over an extent of 1.10.0Ha in S.F.Nos.373/1A, 373/1B(P) of Chendarapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item I (a) "Mining

  
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of Minerals Projects" of the schedule to the EIA Notification, 2006.

3. TOR issued vide Letter No. SEIAA -TN/F.No.8401/SEAC/TOR-982/2021, Dated: 05.07.2021.
4. Minutes of Public Hearing Conducted on 20.04.2022.
5. Lease granted as per Precise area communication period is for a period of 20 years under Rule 19-A of the Tamil Nadu Minor Mineral Concession Rules, 1959.

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 period of 5 years for the ultimate depth of mining upto 23m BGL and the total excavation as per mining plan shall not exceed 21430 m<sup>3</sup> of ROM which includes 7500 m<sup>3</sup> of Recovered Grey Granite, 13390 m<sup>3</sup> of Granite Waste, 8662 m<sup>3</sup> of Weathered Rock and 4736 m<sup>3</sup> of Topsoil. However, the Annual peak production shall be maintained as 4410 m<sup>3</sup> of ROM which includes 1543 m<sup>3</sup> of Grey Granite, & 2867 m<sup>3</sup> of Granite Waste and weathered rock of 4686 m<sup>3</sup> & 2664 m<sup>3</sup> of Top soil with maintaining the ultimate depth 23m BGL subject to the stipulated conditions.

Subsequently, the proposal was placed in the 568<sup>th</sup> Authority meeting held on 08.11.2022 & 09.11.2022. The Authority after detailed discussions, decided to refer back the proposal after the receipt of following additional particulars as follows.

- i) The EMP cost provided greenbelt was found to be not sufficient and incorrect. In this regard, the PP shall furnish revised EMP with capital cost & recurring cost for Greenbelt including details of no. of plantation and establishment & maintenance.

This proposal was again placed in 348<sup>th</sup> SEAC meeting held on 19.01.2023. The PP has submitted his reply to the points raised by SEIAA. The Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to reiterate its recommendation already made in 323<sup>rd</sup> Meeting of SEAC held on 20.10.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

Agenda No: 348 - 15  
(File No: 8453/2021)

  
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Proposed Gravel & Laterite quarry lease area over an extent of 1.27.0Ha at S.F.Nos. 193/3, 193/9, 193/10 & 193/11 of Keelarungunam Village, Pannuti Taluk, Cuddalore District Tamil Nadu by Thiru-E. Rajendran - For Environmental Clearance. (SIA/TN/MIN/203175/2021, dated: 12.03.2021).

The proposal was placed for appraisal in this 348<sup>th</sup> meeting of SEAC held on 19.01.2023. The details of the project furnished by the proponent are given in the website (Parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. E. Rajendran, has applied for Environmental Clearance for the proposed Gravel & Laterite quarry lease area over an extent of 1.27.0Ha, at S.F.Nos. 193/3, 193/9, 193/10 & 193/11 of Keelarungunam Village, Pannuti Taluk, Cuddalore District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the Two years states that the total quantity of recoverable as 19308 cu.m of Gravel & 2145 cu.m of Laterite and the ultimate depth of mining is 5m above ground level.


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 stipulated conditions. Since then the proposal has been going back and forth between the Authority, SEAC and PP. Finally Now, based on the reply furnished by the PP on 14.10.2022, the proposal was placed in the 565<sup>th</sup> Authority meeting held on 31.10.2022.

The Authority after detailed deliberations, noted as follows.

1. As per the KML file uploaded by the proponent in online through Parivesh portal, It is ascertained that
  - i. There are habitations within 300m radius.
  - ii. Shri Mariamman Temple exists within 300m radius.
2. The proponent had submitted the revised restricted area. The proponent is requested to submit the revised plan approved by the competent authority.

  
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3. Further, in mining plan submitted online in Parivesh portal, chapter 5 Mining it is inadvertently mentioned as "The applicant intends to quarry Gravel @ 90% is 19,308 m<sup>3</sup> and Gravel @ 10%" instead of Gravel @ 90% and laterite @ 10%. Hence, the proponent is requested to make the necessary correction.
4. Further, the longitudinal and cross-sectional profile of the proposed mine lease area is not a perfect rectangle. It is in the shape of triangle. But the volume of the quantity to be mined out is calculated on the basis of rectangular shape. Hence, the proponent is requested to submit the exact quantity of the mineral to be mined out based on the profile of the mineral existing in the proposed lease area.
5. Further, as per the approved Mining plan submitted by the proponent in online through Parivesh portal, it is ascertained that the **proposed bench height and width is 2.5m.**

As per **Metalliferous Mines Regulations, 1961 Chapter XI: Mine Workings**

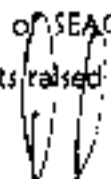
**106 Opencast workings** – In opencast workings, the following precautions shall be observed, namely; -

- (i) In alluvial soil, moonum gravel, clay, debris or other similar ground -
  - (a)(i) the sides shall be sloped at an angle of safety not exceeding 45 degrees from the horizontal or such other angle as the Regional Inspector may permit by an order in writing and subject to such conditions as he may specify therein; or
  - (ii) the sides shall be kept benched and the height of any bench shall not exceed 1.5 metres and the breadth thereof shall not be less than the height;

Hence, the proposed bench for the Gravel quarrying is more than that prescribed in the MMR, 1961 rules. Hence, the above remarks shall be clarified. In the view of the above, the Authority decided to refer back the proposal to SEAC to examine with the above-mentioned points and furnish the remarks to SEIAA.

Now the proposal was placed for appraisal in this 348<sup>th</sup> meeting of SEAC held on 19.01.2023. The PP has furnished a detailed reply covering the points raised by SEIAA.

  
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Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend for a quantity ROM = 15,295m<sup>3</sup> Gravel = 13,856m<sup>3</sup> @90% Recovery Laterite = 1,439m<sup>3</sup> @10% Recovery and confirm the recommendation already made in 241<sup>st</sup> meeting of SEAC held on 03.11.2021. All other conditions stipulated in the earlier minutes will remain unaltered.

Agenda No:348-16

(File No: 8528/2021)

Proposed Earth quarry lease over an extent of 0.97.0Ha at S.F.Nos. 231/7, 231/8, 231/10 (P), 244/11, 244/12 & 244/13 of Vellakarai Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru.A.Prasath- For Environmental Clearance. (SIA/TN/MIN/209390/2021 Dt.16.04.2021)

The proposal was placed in this 348<sup>th</sup> meeting of SEAC held on 19.01.2023. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.A.Prasath has applied for Environmental Clearance for the Earth quarry quarry lease over an extent of 0.97.0Ha at S.F.Nos. 231/7, 231/8, 231/10 (P), 244/11, 244/12 & 244/13 of Vellakarai Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification,2006
3. Earlier, this proposal was placed in the 317<sup>th</sup> meeting of SEAC held on 06.10.2022.
4. After detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance, for a production quantity of 17,882cu.m of Earth by maintaining an ultimate depth of 4 m (2m AGL + 2m BGL), subject to the standard conditions & normal conditions stipulated by MOEF&CC, in addition to the specific conditions stated therein.
5. Subsequently, this proposal was placed in the 562<sup>nd</sup> meeting of SEIAA held on 25.10.2022 & 26.10.2022. After detailed discussion, The Authority decided to refer back the proposal to SEAC-TN stating the following reasons.

  
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As per the km1 uploaded by the proponent in the online through the Parivesh portal, it is ascertained that there seems to be agricultural activities going around the proposed mining area. Hence,

- i. The impacts of mining on Agriculture and vegetation around the mining area shall be studied.
- ii. The PP shall carry out a study on the biodiversity in the proposed mining area.
- iii. The impacts of mining on flora, fauna & soil microorganisms in the mining area shall be studied.
- iv. The PP shall furnish details of soil erosion management and soil conservation plan.
- v. The impacts of mining on the water table shall be studied.
- vi. The PP shall be directed to look for alternate site if any, since the proposed section XI-VI has dense vegetation.

Again, the proposal was placed for reappraisal in this 348<sup>th</sup> meeting of SEAC held on 19.01.2023. The PP has furnished the following replies to all the points raised by SETAA.

SEIAA Query No	Query	Reply
1	The Impacts of mining on Agriculture and vegetation around the mining shall be studied.	<ul style="list-style-type: none"> <li>No major agriculture activities in the vicinity of the area, agriculture is practiced only during rainy seasons.</li> <li>Major land type within 1km radius is agriculture land contributing 45%, major plantation in the vicinity of the area is Cashew tree plantation.</li> <li>Greenbelt development is proposed all along the boundary barrier to mitigate dust propagation into the surrounding</li> </ul>

		<p>fields and regular water sprinkling for dust suppression as per EMP shall be strictly implemented.</p> <ul style="list-style-type: none"> <li>• Cashew trees present within proposed area and North side, West and southern portion are mainly covered with Eucalyptus trees.</li> </ul>
2	The PP shall carry out study on biodiversity in the proposed mining area	<ul style="list-style-type: none"> <li>• The area is covered by Coconut &amp; Cashew trees.</li> <li>• The proponent proposed to plant 600 Nos of Native species like pungan and Neem trees boundary besides three tier plantations will be carried out during the mining operation.</li> <li>• Nearest wild life sanctuary is Ossudu Lake Birds Sanctuary 26 km NE.</li> <li>• Nearest Reserve Forest is Thiruthuraiyur Reserved Forest 17.0 km in NW side.</li> <li>• There is no Schedule I species in the vicinity of the project area.</li> <li>• It is inferred from the primary and secondary data's the project will not have any significant impact on the soil and biodiversity of the area.</li> </ul>
3	The impacts of mining on flora, fauna & soil microorganisms in the mining area shall be studied	<ul style="list-style-type: none"> <li>• The proposed area is covered with Earth formation.</li> <li>• There is no Schedule I species in the vicinity of the project area.</li> <li>• It is inferred from the primary and</li> </ul>

  
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		secondary data's the project will not have any significant impact on the soil and biodiversity of the area.
4	The PP shall furnish So details of management and soil conservation plan.	<p>Soil Erosion:</p> <ul style="list-style-type: none"> <li>There are no streams, canals or water bodies crossing within the project area. The nearest water body is Odai -270m - east side.</li> <li>Garland drains will be constructed around the project area to arrest any soil from the quarry area being carried away by the rainwater. This will also avoid the soil erosion and siltation in the mining pits and maintaining the stability of the benches.</li> </ul> <p>Soil Conservation:</p> <ul style="list-style-type: none"> <li>There is no topsoil of the area. Overburden in the form of Earth formation, the Earth will be directly loaded into tippers for the filling and leveling of low lying areas.</li> </ul>
5	The Impacts of mining on the water table shall be studied.	<ul style="list-style-type: none"> <li>There are no streams, canals or water bodies crossing within the project area. There are few water bodies located within 5km radius of the proposed project area.</li> <li>Odai - 270m East.</li> <li>Water table in this area is 55m depth. The depth of the proposed area is only 4m So it will not cause any impacts on</li> </ul>

		the water table in this area.
6	The PP shall be directed to look for alternate site if any. Since the proposed section XI-YI has dense vegetation.	<ul style="list-style-type: none"> <li>• The project is site specific. no alternative site has been examined for the mining operation.</li> <li>• The proposed site has 22 no of cashew trees the age of the trees are more than 8 years and there is very low yield.</li> <li>• The main purpose of the mining operation is to remove the layers of earth formation and exposed fertile layer beneath and carry out the agriculture activity in that area.</li> </ul>

The Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to reiterate its recommendation already made in 317<sup>th</sup> Meeting of SEAC held on 06.10.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

**Agenda No: 348-17**

**(File No: 8610/2021)**


**Proposed Rough stone and Gravel quarry project over an extent of 2.48.5 Ha in S.F.Nos. 1101, 1102, 1103/1, 1103/2, 1103/3, 1104/2A & 1104/2B at Kullapuram Village, Periyakulam Taluk, Theni District, Tamil Nadu by Thiru. K.Jeganathan. For Environmental Clearance.(SIA/TN/MIN/211274/2021 dated: 16.07.2021)**

Earlier, this proposal was placed in this 267<sup>th</sup> Meeting of SEAC held on 28.4.2022. The details of the project furnished by the proponent are available in the website ([parivesh.nic.in](http://parivesh.nic.in)).

**The SEAC noted the following:**

1. The project proponent, Thiru. K.Jeganathan has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 2.48.5ha at S.F.Nos. 1101, 1102, 1103/1, 1103/2, 1103/3, 1104/2A & 1104/2B of Kullapuram Village, Periyakulam Taluk, Theni District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of

  
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Mineral Projects' of the Schedule to the EIA Notification, 2006.

3. As per mining plan the the lease period is for 5 years and total quantity of recoverable should not exceed 2.55,034 cu.m of rough stone, 14.978 cu.m of gravel with an ultimate depth of mining is 38m below ground level. The annual peak production as per mining plan is 54,690 cu.m of rough stone and 12166cu.m of gravel.

Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance, subject to the standard conditions & normal conditions stipulated by MOEF&CC, In addition to the certain specific conditions:

Subsequently it was placed in the 512<sup>th</sup> Authority meeting held on 27.05.2022 and the Authority decided to call for following the additions details.

To furnish letter from AD/DD, G&M, Theni District regarding last date of operation & last transport receipt of the previously operated mine lease period.

Based on the reply furnished by the project proponent it has again been placed in 565<sup>th</sup> Authority meeting. discussed in detail and decided to refer back the proposal to SEAC for re-appraisal on the receipt the following details.

1. The Certified Compliance Report obtained from MoEF&CC, IRO or TNPCB. This proposal was again placed in 348<sup>th</sup> SEAC meeting held on 19.01.2023. Based on the presentation & documents furnished including CCR, the Committee after detailed discussion decided to re-confirm the recommendation already made in 267<sup>th</sup> Meeting of SEAC held on 28.4.2022.

**Agenda No. 348- 18.**

**(File No. 9031/2022)**

**Proposed Rough Stone & Gravel quarry lease over an extent of 0.86.5 Ha at S.F.No. 20/1 of Chinnakallipatti Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Thiru R. Suresh - for Environmental clearance. (SIA/TN/MIN/256841/2022 dated 16.02.2022)**

Earlier, this proposal was placed in this 281<sup>st</sup> Meeting of SEAC held on 03.06.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

  
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1. The project proponent, Thiru R. Suresh has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 0.86.5 Ha at S.F.No. 20/1 of Chinnakallipatti Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu
2. The project/activity is covered under Category 'B2' of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication issued for the period is 5 years. The mining plan is for the period of 5 years & as per mining plan, the production should not exceed 38180 cu.m. of Rough Stone & 8612 cu.m. of Gravel. The annual peak production 8050 cu.m. of Rough Stone (4<sup>th</sup> Year) & 4516 cu.m. of Gravel (3<sup>rd</sup> Year). The ultimate depth – 22m BGL.

Based on the presentation and document furnished by the project proponent, SEAC decided to ask for the following additional details from the Project Proponent.


1. The project proponent shall furnish certified compliance report.
2. The project proponent shall furnish action plan for the realignment of benches (or) the slope stabilization and protective measures in previously quarried mine.
3. The project proponent shall install the fencing completely around the quarried mine.


The proponent has furnished reply vide Ir. Dt: 05.09.2022. In this connection, the proposal was again placed in this 316<sup>th</sup> SEAC Meeting held on 30.09.2022.

Based on the presentation and documents furnished by the project proponent, **SEAC decided to recommend the proposal for the grant of Environmental Clearance** the ultimate depth of mining upto 22m BGL and the quantity of 38180 cu.m. of Rough Stone & 8612 cu.m. of Gravel subject to the stipulated conditions.

Subsequently, the proposal was placed in the 562<sup>nd</sup> Authority meeting held on 25.10.2022. The Authority after detailed discussion decided to refer back to SEAC after the receipt of certain additional particulars from the project proponent as stated therein.

In this connection, the project proponent has furnished reply vide

  
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Ln.dl:10.11.2022. This proposal was again placed in 348<sup>th</sup> SEAC meeting held on 19.01.2023. Based on the presentation & documents furnished and the Committee after detailed discussion decided to re-confirm the recommendation already made in 316<sup>th</sup> SEAC Meeting held on 30.09.2022.

**Agenda No: 348 -19.**

**(File No: 9389/2022)**

**Proposed Rough Stone and Gravel Quarry over an extent of 4.67.64Ha at SF.No.835 (Part), 837/3 (Part) and 838/3 (Part), VadakkuAriyanayagipuram Part-2 Village, Cheranmahadevi Taluk, Tirunelveli District, Tamil Nadu by Thiru. A.Chittarasu - For Environmental Clearance. (SIA/TN/MIN/281888/2022, dt: 07.07.2022)**

The proposal was placed for appraisal In 324<sup>th</sup> meeting of SEAC held on 21.10.2022. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, Thiru. A.Chittarasu has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an extent of 4.67.64Ha at SF.No.835 (Part), 837/3 (Part) and 838/3 (Part), VadakkuAriyanayagipuram Part-2 Village, Cheranmahadevi Taluk, Tirunelveli District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. The precise area communication was issued for the period of 10 years. The approved mining plan is for the period of five years & production should not exceed 1076960m<sup>3</sup> of Rough Stone & 85152 m<sup>3</sup> of Gravel. The annual peak production is 2,23,895 cu.m of Rough Stone (5<sup>th</sup> Year) & 34156 cu.m of Gravel. The ultimate depth is 40m BGL.

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 total quantity of 10,76,960m<sup>3</sup> of Rough Stone & 85,152 m<sup>3</sup> of Gravel by maintaining the ultimate depth of mining upto 40m BGL with annual peak production not exceeding 2,23,895 cu.m of Rough Stone & 34,156 m<sup>3</sup> of Gravel during the life of

  
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the project subject to the stipulated conditions.

Subsequently, the proposal was placed in the 569<sup>th</sup> Authority meeting held on 09.11.2022. The Authority after detailed discussions, decided to refer back the proposal after the receipt of the certain additional particulars from the project proponent as stated therein.

In this connection, the project proponent has furnished reply vide Lr.dt:01.12.2022. This proposal was again placed in 348<sup>th</sup> SEAC meeting held on 19.01.2023. The Committee carefully examined the points raised by SELAA and the replies given by the PP and decided to reiterate its recommendation already made in 324<sup>th</sup> Meeting of SEAC held on 21.10.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

**Agenda No: 348-20**

**(File No: 9428/2022)**

**Proposed expansion of Construction of Residential group development, High Rise & Non-High-Rise Group Development at S.No. 404/1, 404/2, 405, 406/1A, 406/1B, 406/ 2, 407/2A2, 407/2B2, 408/1A, 408/1B2, 408/2A, 408/2B2, 410/1A1, 410/1A2B, 410/ 2, 410/3, 410/4, 414/1, 414/ 2, 425/2B, 425/2C1, 425/2D1A, 425/2D2A, 425/2D2B, Padappai Village, Kundrathur Taluk, Kanchipuram District, Tamil Nadu by M/s. Casa Grande Civil Engineering Private Limited- For Environmental Clearance, (SIA/TN/MIS/81558/2022 Dt. 02.08.2022)**

Earlier, this proposal was placed in this 331<sup>st</sup> SEAC Meeting held on 24.11.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent, M/s. Casa Grande Civil Engineering Private Limited has applied for Terms of Reference for the proposed expansion of Construction of Residential group development, High Rise & Non-High-Rise Group Development at S.No. 404/1, 404/2, 405, 406/1A, 406/1B, 406/ 2, 407/2A2, 407/2B2, 408/1A, 408/1B2, 408/2A, 408/2B2, 410/1A1, 410/1A2B, 410/ 2, 410/3, 410/4, 414/1, 414/ 2, 425/2B, 425/2C1, 425/2D1A, 425/2D2A, 425/2D2B, Padappai Village, Kundrathur Taluk, Kanchipuram District, Tamil Nadu.

  
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2. The project/activity is covered under Category "BT" of Item 8(b) "Township and Area development Projects" of the Schedule to the EIA Notification, 2006.
3. M/s. Casa Grande Civil Engineering Private Limited has already obtained Environment Clearance vide Lr.No.SEIAA-TN/F.No.9094/EC/8(a)/ 842/2022 dated 14.06.2022 for the construction of Residential group development building in S.F.No. 404/1, 404/2, 405, 406/1A, 406/1B, 406/ 2, 407/2A2, 407/2B2, 408/1A, 408/1B2, 408/2A, 408/2B2, 410/1A1, 410/1A2B, 410/ 2, 410/3, 410/4, 414/1, 414/ 2, 425/2B, 425/2C1, 425/2D1A, 425/2D2A, 425/2D2B, Padappai Village, Kundrathur Taluk, Kanchipuram District, Tamil Nadu.
4. ToR issued vide Lr No.SEIAA-TN./F.No.9428/SEAC/ToR-12671/2022 Date 03.10.2022.
5. EIA submitted on 04.11.2022.
6. Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of **Environmental Clearance** subject to the specific conditions, in addition to standard conditions stipulated by MOEF &CC

Subsequently, it was placed in 576<sup>th</sup> SEIAA meeting held on 7.12.2022. SEAC has furnished its recommendations to the Authority for **granting Environmental Clearance to the Project** subject to the conditions stated therein. After detailed discussion, SEIAA decided to obtain the following additional details from the PP.

1. The NOC from the Airport authority of India, since it is a proposed high-Rise building.
2. The earmarked area for the Children's play area within the project site.
3. Details of Impact and mitigation measure to the Paddapai lake located in the vicinity of the project site.
4. Details of existing traffic analysis and impact on the existing traffic by this project

On the receipt of the reply received from the PP, it was again been placed in 580<sup>th</sup> SEIAA meeting held on 3.1.2023. After detailed discussion, SEIAA decided to refer back this proposal for getting specific remarks on the PP reply along with recommendation.

  
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This proposal was again placed in 348<sup>th</sup> SEAC meeting held on 19.01.2023. The Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to reiterate its recommendation already made in 331<sup>th</sup> Meeting of SEAC held on 24.11.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

**Agenda No: 348 - 21**

**(File No: 9440/2022)**

**Proposed Rough stone and gravel quarry over an extent of 4.77.5 Ha in S.F.No. 210, 213/2 AND 237/3 at Athipalayam Village, Pugalur Taluk, Karur District, Tamil Nadu by M/s. KISCOL BLUE METAL PVT LTD - For Environmental Clearance. (SIA/TN/MIN/283233/2021 dated: 14.07.2022)**

**The SEAC noted the following:**

1. The project proponent, M/s. KISCOL Blue Metal Pvt Ltd has applied for Environmental Clearance for the Proposed Rough stone and gravel quarry over an extent of 4.77.5 Ha in S.F.No. 210, 213/2 AND 237/3 at Athipalayam Village, Pugalur Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan the lease period is for 10 years. The production for the five years states that the total quantity of recoverable should not exceed 4,68,625 cum of Rough stone and 83,090 cum of Gravel with an ultimate depth of mining is 42m (2m Gravel + 40m Rough Stone) below ground level.
4. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for total quantity of 9,36,700 m<sup>3</sup> of Rough Stone & 83,090 m<sup>3</sup> of Gravel and for an annual peak production of Annual Peak Production Capacity of not exceeding 94,125 m<sup>3</sup> of rough stone & 38,301 m<sup>3</sup> of Gravel with maintaining the ultimate pit depth of 42 m, subject to the stipulated conditions.

Subsequently, the proposal was placed in 569<sup>th</sup> Authority meeting held on 10.11.2022 & 11.11.2022. The Authority after detailed deliberation, noted that

1. As per the approved mining plan submitted by the proponent in online through Parivesh portal, it is ascertained that the mining plan period is for 5

  
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years. Further, SEAC has recommended the quantity for 10 years. Hence, the basis for grant of Environmental Clearance for a quantity of 9,36,700 m<sup>3</sup> instead of 4,68,625 m<sup>3</sup> may be examined.

2. As per the KML file submitted by the proponent, it is ascertained that some mining pits exist in the South Eastern direction creating an impression of cluster. Hence, the proponent is requested to submit the details regarding the pits in the above said direction from AD/Mines which must include
  - i. Details of ownership
  - ii. Lease details
3. Area appears to be huge and fresh track for mining. Hence, the proponent is requested to submit the details regarding the impact of mining activity
  - i. Water Body
  - ii. Agricultural activities
  - iii. Rise in temperature
  - iv. Green House Gas Emissions
  - v. Disturbance to the Horticulture.
  - vi. Biodiversity
4. The budget for Development of Green Belt mentioned in EMP shall be increased at the rate of Rs.500 per plant and at the rate of Rs.300 for maintenance for 5 years to ensure survival of minimum 70% of the saplings planted and the same shall be included in the EMP.
5. EMP must include Mitigation cost and Restoration cost. A detailed progressive plan for mine closure to be obtained. Hence, the proponent is requested to submit the budget allocated for the same in EMP.
6. As per the details provided by the proponent in Pre-Feasibility Report, it is ascertained that the Drinking water requirement and other Domestic purposes is 0.7 KLD. Further, number of persons employed is 39. Hence, the Water available to per person is 18 Litres per day which is the basic essential for a human being. As per CPHEEO Manual on Water Supply and Treatment, Minimum of 45 Litres per Head per Day must be provided.

Hence, the adequacy of water provided may kindly be examined.

  
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In the view of the above, Authority decided to refer back the proposal to SEAC to examine the above-mentioned points and furnish its remarks to SEIAA.

Now the proposal was placed for reappraisal In this 348<sup>th</sup> meeting of SEAC held on 19.01.2023. The PP has furnished a detailed reply covering the points raised by SEIAA. The Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to reiterate its recommendation already made in 324<sup>th</sup> Meeting of SEAC held on 21.10.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

**Agenda No: 348-22**

**(File No: 8274/2021)**

**Proposed Rough Stone quarry lease over an extent of 3.00.0 Ha at S.F.No. 167/1(Part-2) of Siruthamur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Thiru. V.Sekar- For Environmental Clearance. (SIA/TN/MIN/59833/2021 dated 29.03.2022).**

Please see 'Part II of the Minutes of 348<sup>th</sup> meeting of SEAC held on 19.01.2023'.

**Agenda No: 348 - 23,**

**(File No: 8275/2021)**

**Proposed Rough Stone quarry lease over an extent of 4.95.0 Ha at S.F.No. 338/1(Part-1) of Siruthamur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Thiru. D.Arunkumar - for Environmental Clearance. (SIA/TN/MIN/60168/2021 dated 29.03.2022)**

Please see 'Part II of the Minutes of 348<sup>th</sup> meeting of SEAC held on 19.01.2023'.

**Agenda No: 348-24**

**(File No: 8276/2021)**

**Proposed Rough Stone quarry lease over an extent of 3.00.0 Ha at S.F.No. 167/1(Part-1) of Siruthamur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Tvl.M.S.Blue Stones - For Environmental Clearance. (SIA/TN/MIN/59831/2021 dated 29.03.2022)**

Please see 'Part II of the Minutes of 348<sup>th</sup> meeting of SEAC held on

  
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**Agenda No: 348-25**

**(File No: 8278/2021)**

**Proposed Rough Stone quarry lease over an extent of 2.15.30 Ha at S.F.No. 320/5 of Sruthamur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Thiru .K.Prabakaran- for Environmental Clearance. (SIA/TN/MIN/264330/2022 dated 29.03.2022)**

Please see 'Part II of the Minutes of 348<sup>th</sup> meeting of SEAC held on 19.01.2023'.

**Agenda No: 348-26**

**(File No: 7696/2022)**

**Proposed Rough stone & Gravel quarry lease over an extent of 1.40.98 Ha in S.F.No 114/1, 114/2, 114/3, 114/4, 114/5, 114/6, 114/7, 114/8, 114/9B and 115, Padur Village, Uthiramerur Taluk, Kanchipuram District, Tamil Nadu by Thiru.L.Murthugaj- For Environmental Clearance. (SIA/TN/MIN/63076/2021 Dt. 29.03.2022)**

Please see 'Part II of the Minutes of 348<sup>th</sup> meeting of SEAC held on 19.01.2023'.

**Agenda No: 348-27**

**(File No: 9086/2022)**

**Proposed Rough Stone & Gravel quarry lease over an extent of 2.32.0Ha at S.F.No. 631/2, 632 (P) & 649 (P) of Madukkarai Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Thiru.D.Jayakumar - for Environmental Clearance. (SIA/ TN/ MIN/ 261380/2022 dated 12.03.2022)**

Earlier, this proposal was placed in this 283<sup>rd</sup> Meeting of SEAC held on 09.06.2022. 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, Thiru. D.Jayakumar has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 2.32.0 Ha at S.F.No. 631/2, 632 (P) & 649 (P) of Madukkarai Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.


  
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3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 1,68,775 m<sup>3</sup> Rough stone. The Annual peak production 34,540 m<sup>3</sup> Rough stone (5<sup>th</sup> year) with ultimate depth of 44 m BGL

Sl. No	Details of the proposal	: Data furnished
1	Name of the Owner/Firm	: Thiru. D. Jayakumar, S/o. M. Duraisamy, No 16/175, Palakkad Road, Marappalam, Madukkarai, Coimbatore District - 641 105.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone and Gravel
3	S.F No. of the quarry site with area break-up	: 631/2, 632 (Part) & 649 (Part)
4	Village in which situated	: Madukkarai
5	Taluk in which situated	: Madukkarai
6	District in which situated	: Coimbatore
7	Extent of quarry (in ha.)	: 2.32.0 Ha
8	Period of quarrying proposed	: 5 years
9	Type of mining	: Opencast Mechanized Mining
10	Production (Quantity in m <sup>3</sup> )	: 1,68,775 m <sup>3</sup> of Rough Stone
11	Latitude & Longitude of all corners of the quarry site	: 10°53'30.43"N to 10°53'35.66"N 76°56'14.21"E to 76°56'22.17"E
12	Topo Sheet No.	: 58-B/13
13	Man Power requirement per day:	: 20 Nos
14	Precise area communication approved by Assistant Director, Department of Geology and Mining with date	: Na.Ka.No.171B/Kanimam/2020, dated:15.02.2022
15	Mining Plan approved by Assistant	: Rc.No.171B/Mines/2020,

  
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	Director, Department of Geology and Mining with date	dated:02.03.2022
16	Water requirement:	1.2 KLD
	1. Drinking water & domestic purposes (in KLD)	0.3 KLD
	2. Dust Suppression (in KLD)	0.6 KLD
	3. Green Bell (in KLD)	0.3 KLD
17	Power requirement	
	a. Domestic Purpose	TNEB
	b. Industrial Purpose	1.35,020 Litres of HSD
18	Depth of quarrying	44m bgl
19	Depth of water table	70m in Summer & 65m in Rainy season
20	Whether any habitation within 300m distance	No
21	Project Cost (including EMP cost)	Rs. 98.56,000/-
22	EMP cost	Capital Cost – Rs.12,95,000/- Recurring Cost Rs.17,69,000/-
23	CER cost	Rs. 5,00,000/-
24	Assistant Director, mines 500m cluster letter	Rc.No.1718/Mines/2020. dated:02.03.2022
25	VAO certificate regarding 300m radius cluster	Letter dated 25.02.2022

Based on the presentation and document furnished by the project proponent, SEAC decided to ask for the following additional details from the Project Proponent.

- (i) The project proponent shall furnish documentary evidence from the concerned District Forest Officer showing the distance between the nearest R.F and the proposed quarry site.

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

  
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Based on the reply furnished by the PP, this proposal again been placed in 348<sup>th</sup> SEAC meeting held on 19.1.2023. The PP has made the representation covering the above said details. The SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total excavation quantity for 5 years not to exceed 1,68,775m<sup>3</sup> m<sup>3</sup> Rough stone. The Annual peak production 34,540 m<sup>3</sup> Rough stone (5<sup>th</sup> year) with ultimate depth of 44 m BGL subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide **MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.**
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety/Chennai Region before obtaining the CTO.
4. 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 before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
6. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.

  
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7. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the plt leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
8. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
9. As the habitations are located nearby, the PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia& 1.5 m length) only and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
10. In case of carrying out the 'Deep-hole large diameter drilling and blasting' in the proposed quarries, the PP shall obtain prior permission from the Director of Mines Safety, Chennai Region after the commencement of mining operations under the provisions of Reg. 106 (2) (b) of MMR 1961.
11. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
12. Since few habitations are situated at a distance range of 1 km from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies in coordination with the other quarry owners located in the cluster domain on 'Design of Suitable blast parameters for reducing the cumulative impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarries in the cluster by adopting appropriate controlled blasting techniques'. by

- involving a reputed Research and Academic Institution such as NIRM, IIT Madras, IIT(ISM)-Dhanbad, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
13. 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.
  14. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him only as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
  15. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the school/other habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.
  16. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
  17. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
  18. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
  19. 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.
  20. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Government High School, Madhukarai as committed, before obtaining CTO from TNPCB.

  
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Agenda No: 348-28

(File No: 9259/2022)

Proposed Gravel quarry Lease over an extent of 4.34.5 Ha at S.F.No. 152/13, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 160/5, 160/4A, 160/4B, 160/4D, 160/6, 160/1A, 162/4, 162/1, 163/9, 160/2A and 160/2B of Thatchankurichi Village, Gandharvakottai Taluk, Pudukottai District, Tamil Nadu by Thiru. G. Swaminathan- For Environmental Clearance (SIA/TN/MIN/270782/2022 dated 02.05.2022)

The proposal was placed for appraisal in the 348<sup>th</sup> meeting of SEAC held on 19.01.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. G. Swaminathan has applied for Environmental Clearance for the proposed gravel quarry Lease over an extent of 4.34.5 Ha at S.F.No. 152/13, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 160/5, 160/4A, 160/4B, 160/4D, 160/6, 160/1A, 162/4, 162/1, 163/9, 160/2A and 160/2B of Thatchankurichi Village, Gandharvakottai Taluk, Pudukottai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The salient features of the proposal are as follows:


S. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	Thiru. G. Swaminathan, S/o Ganapathi, No. 76K, Arulanandha Nagar, 2 <sup>nd</sup> Street, VOC nagar, Thanjavur District 613 007
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Gravel
3	S.F No. Of the quarry site with area break-up	152/13, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 160/5, 160/4A, 160/4B, 160/4D,


  
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		160/6, 160/1A, 162/4, 162/1, 163/9, 160/2A and 160/2B
4	Village in which situated	Thatchankuruchi
5	Taluk in which situated	Gandharvakkottai
6	District in which situated	Pudukkottai
7	Extent of quarry (in ha.)	4.34.5 Ha
8	Period of quarrying proposed	3 years
9	Type of mining	Opencast method of semi-mechanized Mining
10	Production (Quantity in m <sup>3</sup> )	54,054m <sup>3</sup> of gravel
11	Depth of mining	2.0m below ground level
12	Latitude & Longitude of all corners of the quarry site	10°39'39.52"N to 10°39'46.56"N 78°59'03.97"E to 78°59'17.43"E
13	Top Sheet No.	58 J/14
14	Man Power requirement	21 Nos.
15	Precise area communication approved by the Assistant Director, Dept. of Geology and Mining with date	Rc.No.47/2022 (G&M) Date: 07.04.2022
16	Mining Plan approved by the Assistant Director, Dept. of Geology and Mining with date	Rc.No.47/2022 (G&M) Date: 20.04.2022
17	500m cluster letter issued by Assistant Director, Dept. of Geology and Mining with date	Rc.No.47/2022 (G&M) Date: 20.04.2022
18	Water requirement:	2.5 KLD
	1. Drinking & domestic purposes	1.5 KLD
	2. Dust suppression	0.5 KLD
	3. Green Belt	0.5 KLD
19	Power requirement:	14,416 Liters of HSD for the entire project life

  
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20	Depth of water table	20m to 22m BGL
21	Project Cost (excluding EMP cost)	Rs. 47,32,600/-
22	EMP cost	Capital Cost: Rs. 6,17,000/- Recurring Cost: Rs.73,000/-
23	VAO certificate regarding habitations in 300m radius	Letter dated 22.04.2022

4. As per the mining plan, the lease period is for 3 years. The mining plan is for the period of 3 years. The total production for 5 years not to exceed **54.054m<sup>3</sup> of gravel with an ultimate depth of 2m below ground level.**


Earlier the proposal was placed in the 301<sup>st</sup> meeting of SEAC held on 06.08.2022. During discussions, SEAC noted that the Environmental Clearance has already been granted for the survey numbers **156/2, 156/3, 156/4, 156/5, 156/6, 157/3(P), 160/10, 160/11, 160/16 & 160/17** of Thatchankurichi Village, Gandharvakottai Taluk, Pudukottai District vide **Lr.No,SEIAA-TN/F.No.7173/1(a)/EC.No:4361/2020 dated:06.10.2020** in the name of Thiru.G.Murugesan with a validity of 3 years. While the validity of the above mentioned EC has not expired yet, Thiru.G.Swaminathan has applied for the survey numbers **152/13, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 160/5, 160/4A, 160/4B, 160/4D, 160/6, 160/1A, 162/4, 162/1, 163/9, 160/2A and 160/2B** in Thatchankurichi Village, Gandharvakottai Taluk, Pudukottai District. When asked about this, PP stated that the above mentioned EC was cancelled by Thiru.G.Murugesan due to some personal reasons. But the details/proof of the same was not submitted.

In view of this, SEAC decided to direct the PP to submit the following:

- A letter from AD mines reporting the current environmental conditions of the project site and details/status/work carried out during earlier EC period. AD shall also clarify on the lease issued to Thiru.G.Murugesan.

Subsequently, the proposal was placed in 546<sup>th</sup> SEIAA meeting held on 29.08.2022. After discussions, In addition to these, SEIAA decided to obtain the following additional particulars from the project proponent.

- A detailed study on biodiversity around the project site may be carried through reputed institutions.

  
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- ii. Impact of mining on water bodies, agricultural fields, roads/pathways situated in the vicinity of the proposed lease area may be studied.
- iii. From the KML file uploaded by the project proponent in the Parivesh Portal, it is ascertained that a State Highway is located at a distance of 370m from the west boundary of the project site. The PP shall furnish;
  - a) The traffic frequency of the above mentioned State Highway
  - b) The impact of blasting & mining activity on the State Highway

On receipt of the above details, the proposal was again placed in this 348<sup>th</sup> meeting of SEAC held on 19.01.2023. 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 ultimate depth of mining upto 2m BGL and the quantity of 54,054 cu.m. of Gravel subject to the standard conditions & normal conditions stipulated by MOEF & CC, in addition to the following specific conditions;

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the statutory competent persons accordingly for the proposed quarry size to satisfy the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. 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

  
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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.

6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. **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.
12. 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, if any should be maintained without carrying any activity. The proponent shall take


  
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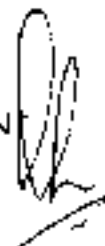


appropriate measures for "Silt Management" and prepare a SOP for periodical desiltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.

13. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
14. 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.
15. 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.
16. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining.
17. 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.
18. 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.
19. 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.
20. 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

  
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Project Proponent liable for legal action in accordance with Environment and Mining Laws.

21. 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.
22. 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.
23. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under.
24. 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.
25. 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.
26. 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.
27. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the Panchayat Union school, Thatchankurichi Village for the following activities as committed, before obtaining CTO from TNPCB.

S.NO	CER Activity	CER Cost (Rs.)
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1	Development of Play Ground and Park, Compound Wall	5,00,000
2	Books for Library	
3	Environmental books for library (in Tamil language)	
4	Greenbelt facilities	
5	Basic amenities such as safe drinking water, Hygienic Toilets facilities, furniture.	
<b>Total</b>		<b>5,00,000</b>

**Agenda No: 348-29**

**(File No: 9250/2022)**

**Proposed Gravel quarry lease over an extent of 1.12.0 Ha at S. F. No. 283/3, Nallur Village, Madurai South Taluk, Madurai District, Tamil Nadu by Thiru M. Pradeep Ramkumar for Environmental Clearance (SIA/TN/MIN/272766/2022 Dated 14.05.2022)**

The project proposal was earlier placed for appraisal in the 301<sup>st</sup> meeting of SEAC held on 06.08.2022 and the proponent made presentation on the project. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The Committee noted that,

1. The Project Proponent, Thiru M. Pradeep Ramkumar has applied seeking Environmental Clearance for the proposed Gravel quarry lease over an extent of 1.12.0 Ha at S. F. No. 283/3, Nallur Village, Madurai South Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item I(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended.

Based on the documents furnished and the presentation of the project, the Committee decided to call for the following additional particulars from the proponent:

  
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1. Letter from the DFO, Madurai District indicating the location (GPS coordinates) and distance of the proposed mine lease area from the nearby Reserve Forests.
2. On perusal of the village map and KML file, it was inferred that a Nalla is traversing through the mine lease area. Hence a letter from AD/Mines shall be obtained detailing the Nalla and the safety provisions.
3. Registered land lease document shall be furnished.

The proponent furnished the additional particulars sought by SEAC vide letter dated 17.10.2022& 28.10.2022. Hence the proposal was placed in this 348<sup>th</sup> meeting of SEAC held on 19.01.2023.

Sl. No.	Details of the Proposal	
1.	Name of the Owner/Firm	Thiru. M. Pradeep Ramkumar, S/o. Mathivanan, Plot No.107A, Door No.A2, Aravindham Apartment, P.T.R. Road, B.B.Kulam, Madurai-625 002, Tamil Nadu.
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Gravel
3.	S.F No. Of the quarry site with area break-up	283/3
4.	Village in which situated	Nallur
5.	Taluk in which situated	Madurai South
6.	District in which situated	Madurai
7.	Extent of quarry (in ha.)	1.12.0 Ha
8.	Period of quarrying proposed	Two years
9.	Type of mining	Opencast Semi Mechanized Mining
10.	Production (Quantity in m <sup>3</sup> )	Geological Resource: 22.400m <sup>3</sup> of Gravel to an ultimate depth of 2.0m BCL  2 -year production is estimated to be 14,362 m <sup>3</sup> of Gravel to depth of 2.0m BCL


  
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		Annual peak production is 7,738m <sup>3</sup> of Gravel (2 <sup>nd</sup> year)
11.	Latitude & Longitude of all corners of the quarry site	9°46'00.46"N 9°46'03.94"N 78°08'04.72"E 78°08'10.37"E
12.	Top Sheet No.	58 K/01
13.	Man Power requirement per day:	11 Nos.
14.	Precise area communication letter	Na.Ka.No.772/Kanimam /2020, dated 05.10.2021
15.	Mining Plan approval letter	Roc. No. 772/Mines/2020, dated 08.11.2021
16.	Water requirement:	3.0 KLD
	4. Drinking & domestic purposes (in KLD)	1.0 KLD
	5. Dust suppression & Green Belt (in KLD)	2.0 KLD 1.0 KLD
17.	Power requirement	
	a. Domestic Purpose	TNEB
	b. Industrial Purpose	.
18.	Depth of quarrying	2.0 m BGL
19.	Depth of water table	20m BGL
20.	Project Cost (excluding EMP cost)	Rs.13.50 lakh
21.	EMP cost	Capital Cost: Rs. 3,93,500/- Recurring Cost/Annum: Rs.5,57,000/-
22.	CER cost	Rs.3 Lakh
23.	500m cluster letter	Roc. No. 772/Mines/2020, dated 09.05.2022.
24.	VAO letter dated	09.05.2022

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 14,362m<sup>3</sup> of Gravel for an ultimate depth of 2m BGL and the annual peak production as per mining plan is 7,738 m<sup>3</sup> of Gravel (2<sup>nd</sup>

  
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year)subject to the standard conditions & 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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4 2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and other competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 respectively.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. 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 before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB / mine waste dumps. The drains should be regularly de silted and maintained properly.
6. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
7. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
8. 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 like mining

technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) 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.

9. 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 and submit the consolidated report to TNPCB once in six months.
10. 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. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
11. 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.
12. 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 in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
13. 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.

  
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14. **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.
15. The proponent shall undertake the phased restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion/abandonment of such operations as assured in the Environmental Management Plan & the approved Mine Closure Plan.
16. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
17. 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.
18. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
19. The proponent shall ensure that the transportation of the quarried material 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 stones; and transport of stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
20. 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.
21. 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.



22. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamil Nadu 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
28. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.

  
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29. That the grant of this EC 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.
30. 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.
31. 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.
32. As accepted by the Project Proponent the CER cost is **Rs. 3 Lakh** and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

## ANNEXURE-1

1. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
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 i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not 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. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
6. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.

  
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7. 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 and submit the consolidated report to TNPCB once in six months.
8. The Project Proponent shall carry out slope stability study by a reputed academic/research institution such as NIRM, IIT, Anna University for evaluating the safe slope angle if the proposed dump height is more than 30 meters. The slope stability report shall be submitted to concerned Regional office of MoEF&CC, Govt. of India, Chennai as well as SEIAA, Tamilnadu.
9. 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. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
10. 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.
11. 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 in consultation with the DFO, State Agriculture University and local school/college authorities. 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.
12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper escapements 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.

  
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13. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be Implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) 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.
14. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
15. 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.
16. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
17. The proponent shall ensure that the transportation of the quarried materials 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 rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.


18. 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.
19. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
20. The Project proponent 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 that is fit for the growth of fodder, flora, fauna etc.
21. 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.
22. The project proponent shall ensure that the provisions of the MMRD, 1956, 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.
23. 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.
24. 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

  
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Project Proponent liable for legal action in accordance with Environment and Mining Laws.

25. 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.
26. 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.
27. 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.
28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the Appendix -II of this minute.

  
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**Appendix -I**  
**List of Native Trees Suggested for Planting**

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Acleto marmelos</i>	Vilvam	விவரம்
2	<i>Adenanthera pavonina</i>	Maryadi	மருகாடி. அடனாந்தர் பாவனா
3	<i>Albizia lebbek</i>	Vaagai	வாளை
4	<i>Albizia ansara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathu	ஆது
7	<i>Bauhinia tomentosa</i>	Iervathu	இருளைத்த
8	<i>Buchanania axillaris</i>	Kathuna	கட்டுநா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkannaram	முருக்காரம்
11	<i>Bobax carba</i>	Davu, Sevvilavu	இலை
12	<i>Calophyllum inophyllum</i>	Punnai	புனை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொண்டை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொண்டை
15	<i>Chloroxylon swietenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Maryallavu	கொங்கு. மருகாடி இலை
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூலி
18	<i>Creteva adamsana</i>	Mavalingum	மாவிளங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sbruzha	சீரு உசா
21	<i>Diospyro sebnum</i>	Karungali	கருங்காலை
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகளை
23	<i>Ficus amplissima</i>	Kallichi	கல் இச்சி
24	<i>Hibiscus tiliacook</i>	Aatrupoovarasu	அத்தரப்பொரசு
25	<i>Hardwickia binata</i>	Aacha	ஆசா
26	<i>Holoptelia integrifolia</i>	Aaythi	ஆயி மரம், ஆயி
27	<i>Lannea coromandelica</i>	Othiam	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottamaram	நெய் கெட்டை மரம்
30	<i>Limonia acidissima</i>	Vilamaram	விளா மரம்
31	<i>Litsea glutinos</i>	Painpattai	பைம்பட்டை. பிச்சைமலை
32	<i>Madhica longifolia</i>	Iluppa	இலுப்பை
33	<i>Mamihara hexandra</i>	UlkkaPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுனா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுனா
38	<i>Phoenix sylvestre</i>	Eechai	ஏக்காரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

  
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40	<i>Prema molissima</i>	Munai	முனை
41	<i>Prema serratifolia</i>	Narumunai	நடு முனை
42	<i>Prema tomentosa</i>	Malapooarasu	மலை பூரசு
43	<i>Prosopis cinerea</i>	Vanni maram	வாணி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum carlescens</i>	Vennangu, Tada	வேணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	பொலு
47	<i>Putranjiva roxburghii</i>	Karipala	கரிபலா
48	<i>Salvadora persica</i>	Uga Maram	உகை மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மாணிபுண்டி சோபுகை
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxdomic</i>	Yethi	எட்டு
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தாங் கோட்டை
54	<i>Syzygium cumini</i>	Navai	நாவை
55	<i>Terminalia belleric</i>	Thendri	தென்றி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேன் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தாந வேம்பு
58	<i>Thespesia populnea</i>	Pirvarasu	பூரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்சுரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலை
61	<i>Pithecellobium dulce</i>	Kodakkapuli	கோடுக்கப்பூரி

