

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 328TH meeting of the State Expert Appraisal Committee (SEAC) held on 11.11.2022 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligal, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 328 – 01

(File No.6137/2022)

Existing Magnesite mine Lease over an extent of 2.57.0 Ha at S.F.No.77 of Kondappanaickenpatty Village, Salem Taluk, Salem District, Tamil Nadu by Thiru.G.Pasupathi for Extension of validity for the Terms of References "Under Violation".(SIA/TN/MIN/268922/2022 dated: 21.04.2022)

The proposal was placed in this 328th Meeting of SEAC held on 11.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.G.Pasupathi has applied for Extension of validity for the Terms of References for the Existing Magnesite mine Lease over an extent of 2.57.0 Ha at S.F.No.77 of Kondappanaickenpatty Village, Salem Taluk, Salem District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR under violation issued vide SEIAA Lr. No.SEIAA-TN/F.No.6137/ToR-399/2018, dated: 16.05.2018.
4. ToR Extension under violation issued vide SEIAA Lr. No.SEIAA-TN/F.No.6137/ToR-399/2018/A/, dated: 29.10.2021.
5. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
6. As per MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, it states that *".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in*


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view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid."

In view of the above, the SEAC after detailed discussions confirmed that the validity of the ToR issued is valid (deemed to be) up to ¹⁵10.05.2023 as per the aforesaid MoEF Notifications. Hence, the project proponent is requested to submit public hearing minutes, EIA/EMP report along with details of i) aspects of violation, Ecological Damage assessment, Remediation Plan, Natural Resource Augmentation Plan, Community Resource Augmentation plan.

Agenda No: 328-02
(File No: 8020/2022)

Proposed rough stone and gravel quarry lease over an extent of 2.73.2Ha at S.F.No. 872/2(P), 873(P), 882(P), 883/1, 883/2(P) and 884(P) of Appayanaickenpatti Village, Vembakottai Taluk, Virudhunagar District, Tamilnadu by M/s. R.K. Blue Metals - For Amendment in Environmental Clearance issued.(SIA/TN/MIN/245974/2021 dated 18.12.2021)

The proposal was placed in 328th meeting of SEAC held on 11.11.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent was issued with Environmental Clearance vide Lr.No.SEIAA/TN/F.No.8020/1(a)/EC/4564/2020 dated 25.02.2021 in the name of M/s. R.K.Blue metals.
2. Now, the proponent has submitted an application requesting the following amendment in the EC issued earlier:

S. NO.	DESCRIPTION	APPROVED IN EARLIER EC dated 25.02.2021	SEEKING EC AMENDMENT	REMARKS
1	Quantity of rough stone	2,21,055 cu.m	1,73,735 cu.m	As per the approved mining plan, the
2	Quantity of gravel	10,115 cu.m	1,01,155 cu.m	


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3.	Annual Peak Production Capacity	Rough stone	40605 (cu.m/year) (4 th year)	40605 (cu.m/year) (4 th year)	production quantity for 5 years is 1,73,735 cu.m of rough stone and 1,01,115 cu.m of gravel for an ultimate depth of 20m below ground level.
		Gravel	51450 (cu.m/year) 1 st year	51450 (cu.m/year) 1 st year	
4.	Depth of mining		25m	20m	

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.

1. The existing conditions as mentioned in the EC vide Lr.No.SEIAA/TN/F.No.8020/1(a)/EC/4564/2020 dated 25.02.2021 remains unaltered.

Agenda No: 328-03

(File No: 7614/2022)

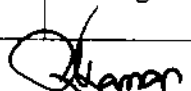
Proposed Black Granite quarry lease over an extent of 1.05.0Ha at S.F.No. 875/1 of Guttur Village, Bargur Taluk, Krishnagiri District, Tamilnadu by M/s. Jay Enterprises - For Amendment in Environmental Clearance issued.(SIA/TN/MIN/250802/2022 dated 18.12.2021)

The proposal was placed in 328th meeting of SEAC held on 11.11.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent was issued with Environmental Clearance vide Lr.No.SEIAA/TN/F.No.7614/EC.No.4477/2020 dated 12.01.2021 in the name of M/s. Jay Enterprises.
2. Now, the proponent has submitted an application requesting the following amendment in the EC issued earlier:

S. NO.	DESCRIPTION	APPROVED IN EARLIER EC dated 12.01.2021	SEEKING EC AMENDMENT	REMARKS
1	Total Production Quantity of black granite	2489 cu.m	4707 cu.m	As per the approved mining plan, the production quantity for 5 years is 4707 cu.m


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				(Production at 10%) of black granite after reduction in depth to 15m.
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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.

1. The existing conditions as mentioned in the EC vide Lr.No.SEIAA/TN/F.No.7614/EC.No.4477/2020 dated 12.01.2021 remains unaltered.

Agenda No: 328- 04

(File No. 6255 /2022)

Existing Lime stone Mine Lease over an extent of 0.24.29Ha at S.F.No.644/4(Part) of Sirungudi Village, Natham Taluk, Dindigul District, Tamil Nadu by M/s. Sivam Mines for Extension of validity for the Terms of References "Under Violation".

(SIA/TN/MIN/268963/2022 dated: 21.04.2022)

The proposal was placed in this 328th Meeting of SEAC held on 11.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, M/s. Sivam Mineshas applied for Extension of validity for the Terms of References for the Existing Lime stone Mine Lease over an extent of 0.24.29Ha at S.F.No.644/4 (Part) of Sirungudi Village, Natham Taluk, Dindigul District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" - "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR under violation issued vide SEIAA. Lr. No. SEIAA-TN/F.No. 6255/TOR-418/2018 Dated: 22.05.2018.
4. Amendment ToR issued vide Letter No. SEIAA-TN/F - 6255/SEAC- CXVIII/TOR-418(A)/2018 Dt. 30.07.2018.
5. ToR Extension under violation issued vide SEIAA. Lr. No. SEIAA-TN/F.No.6255/ToR-312/2017/A/ dated: 30.10.2021.
6. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for


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all the projects/activities and 5 years for River Valley and HEP Projects.

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

In view of the above, SEAC after detailed discussion decided to confirm that the validity of the ToR issued is (deemed to be) valid up to 21.05.2023. Hence, the project proponent is requested to submit public hearing minutes, EIA/EMP report along with details of i) aspects of violation, Ecological Damage assessment, Remediation Plan, Natural Resource Augmentation Plan, Community Resource Augmentation plan, ii) the PP shall furnish the DFO letter stating the proximity distance of nearest RF, WLS & Tiger reserve within 25 Km from the nearest boundary of the project site.

Agenda No: 328 – 05

(File No. 6563 /2022)

Existing Limestone Mine lease over an Extent of 4.08.5Ha in S.F.Nos.403/1A, 2, 3, 404/1, 2A, 2B1, 2B2, 2B3, 2B4, 405, 406/1, 2, 407/1A, 1B2/1, 1B2/2, 408/1A, 1B, 1C, 2, 3, 409/1, 2A & 2B at Abishekapatti Village of Tirunelveli Taluk, Tirunelveli District, Tamil Nadu by M/s. Sree Ganapathi Mines for Extension of validity for the Terms of References "Under Violation".(SIA/TN/MIN/268711/2022 dated: 20.04.2022)

The proposal was placed in this 328th Meeting of SEAC held on 11.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, M/s. Sree Ganapathi Mines has applied for Extension of validity for the Terms of References "Under Violation" for the Existing Limestone Mine lease over an Extent of 4.08.5Ha in S.F.Nos.403/1A, 2, 3, 404/1, 2A, 2B1, 2B2, 2B3, 2B4, 405, 406/1, 2, 407/1A, 1B2/1, 1B2/2, 408/1A, 1B, 1C, 2, 3, 409/1,


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2A & 2B at Abishekapatti Village of Tirunelveli Taluk, Tirunelveli District, Tamil Nadu.

2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR under violation issued vide SEIAA. Lr. No. SEIAA-TN/F.No. 6563/ToR-331/2018/ dated 10.05.2018.
4. Amendment ToR vide Letter No. SEIAA-TN/F-6563/SEAC- CXVIII/TOR- 33 I(A)/2018 dt 30.07.2018.
5. ToR Extension under violation issued vide SEIAA. Lr. No. SEIAA-TN/F.No.6563/TOR- 331/2018/A/ dated: 29.10.2021.
6. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
7. As per MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, it states that *"... the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid..."*.

In view of the above, SEAC after detailed discussion decided to confirm that the validity of the ToR issued is (deemed to be) valid up to 09.05.2023. Hence, the project proponent is requested to submit public hearing minutes, EIA/EMP report along with details of i) aspects of violation, Ecological Damage assessment, Remediation Plan, Natural Resource Augmentation Plan, Community Resource Augmentation plan.

Agenda No: 328 – 06

(File No. 6136 /2022)

Existing Quartz and Feldspar Mine Lease over an extent of 3.35.0Ha at S.F.No. 106 of Periyagoundampalayam Village, Namakkal Taluk, Namakkal District, Tamil Nadu by M/s. A.R. Minerals, Quartz & Feldspar mine for Extension of validity for the Terms of References "Under Violation". (SIA/TN/MIN/268911/2022 dated: 21.04.2022)


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The proposal was placed in this 328th Meeting of SEAC held on 11.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, M/s. A.R. Minerals, Quartz & Feldspar mine has applied for Extension of validity for the Terms of References "Under Violation" for the Existing Quartz and Feldspar Mine Lease over an extent of 3.35 Ha at S.F.No. 106 of Periyagoundampalayam Village, Namakkal Taluk, Namakkal District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR under violation issued vide SEIAA. Lr. No. SEIAA-TN/F.No. 6136/TOR-446/2018 Dated: 01.06.2018.
4. Amendment ToR issued vide Letter No. SEIAA-TN/F – 6136/SEAC-CXVIII /TOR-446(A)/2018 Dt. 30.07.2018.
5. ToR Extension under violation issued vide SEIAA. Lr. No. SEIAA-TN/F.No.6136/TOR- 446/2018/A/ dated: 29.10.2021.
6. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
7. As per MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, it states that *"....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid..."*.

In view of the above, SEAC after detailed discussion decided to confirm that the validity of the ToR issued is (deemed to be) valid up to 31.05.2023. Hence, the project proponent is requested to submit public hearing minutes, EIA/EMP report along with


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details of i) aspects of violation, Ecological Damage assessment, Remediation Plan, Natural Resource Augmentation Plan, Community Resource Augmentation plan.

Agenda No: 328 – 07

(File No. 6262 /2022)

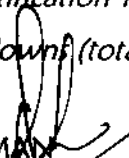
Existing Lime Stone Mine Lease over an extent of 1.01.5Ha at S.F. No.15/1A (Part) & 17/4 of Vayalapadi Village, Kunnam Taluk, Perambalur District, Tamil Nadu by M/s. Govindarajapattinam Human Power and Social Development Society for Extension of validity for the Terms of References "Under Violation". (SIA/TN/MIN/269241/2022 dated: 23.04.2022)

The proposal was placed in this 328th Meeting of SEAC held on 11.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, M/s. Govindarajapattinam Human Power and Social Development Society has applied for Extension of validity for the Terms of References for the Existing Lime Stone Mine Lease over an extent of 1.01.5Ha at S.F.No.15/1A (Part) & 17/4 of Vayalapadi Village, Kunnam Taluk, Perambalur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR under violation issued vide SEIAA. Lr. No. SEIAA-TN/F.No. 6262/M-CIII/TOR- 306/2017 Dated: 05.03.2018.
4. ToR Extension under violation issued vide SEIAA. Lr. No. SEIAA-TN/F.No.6262/M-CIII/TOR- 306/A/ dated:30.10.2021.
5. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
6. As per MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, it states that *"....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total*


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or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid...".

In view of the above, SEAC after detailed discussion decided to confirm that the validity of the ToR issued is (deemed to be) valid up to 04.03.2023. Hence, the project proponent is requested to submit public hearing minutes, EIA/EMP report along with details of i) aspects of violation, Ecological Damage assessment, Remediation Plan, Natural Resource Augmentation Plan, Community Resource Augmentation plan & ii) The PP shall furnish the DFO letter stating the proximity distance of nearest RF, WLS & Tiger reserve within 25 Km from the nearest boundary of the project site.

Agenda No: 328 – 08

(File No. 6591 /2022)

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

(SIA/TN/MIN/278792/2022, dated: 18.06.2022)

The proposal was placed in this 328th Meeting of SEAC held on 11.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, M/s. S.M. Exports has applied for Extension of validity for the Terms of References "Under Violation" for the Existing Grey Granite Quarry over an extent of 1.95.5 Ha at S.F. Nos. 133/1, 133/5, Kondappanayanapalli, Krishnagiri Taluk & District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR under violation issued vide SEIAA. Lr. No. SEIAA-TN/F.No. 6591/TOR-583/2018 Dated: 09.08.2018.

During the presentation, the proponent requested additional time to furnish further details. Hence, the proposal will be taken up for appraisal in the ensuing meeting.


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Agenda No. 328-09

(File No: 3824/2020)

Existing Multi Colour Granite quarry lease over an extent of 4.94.5 Ha in S.F.No. 142/1 Sullipalayam Village, Paramathivelur Taluk, Namakkal District, Tamil Nadu by Thiru P. Mayilvaganam – Extension for Environmental Clearance (SIA/TN/MIN/180759/2020 Dated 27.10.2020)

The proposal was placed in the 328th Meeting of SEAC held on 11.11.2022. The project proponent presented the details of the proposed quarry. The details of the proposed quarry furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted of the following:

1. The Project Proponent, Thiru.P.Mayilvaganam has applied for Extension of Environmental Clearance for the existing Multi Colour Granite quarry lease over an extent of 4.94.5 Ha in S.F.No. 142/1 Sullipalayam Village, Paramathivelur Taluk, Namakkal District, Tamil Nadu
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The proponent Thiru.P.Mayilvaganam, has obtained Environmental Clearance vide Lr. No. SEIAA-TN/F.No.3824/EC/I(a)/2460/2015 Dated: 24.11.2015 Multi Colour Granite Quarry over an extent of 4.94.5 Ha in S.F.No. 142/1 Sullipalayam Village, Paramathivelur Taluk, Namakkal District, Tamil Nadu State, with validity of Environmental Clearance coterminous with the mine lease period or limited to a maximum of 5 years from the date of issue whichever is earlier.
4. Now the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIN/180759/2020 dated: 27.10.2020 for the extension of validity of EC with all required documents.
5. The project proponent has obtained certified compliance report from MoEF & CC, Chennai Region vide letter No. E.P.12.1/2021-22/SEIAA/31/TN/016 Dated 04.01.2022.
6. 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 (2020-21 to 2024-25) and the Scheme of Mining was approved by the Director of


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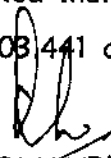
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Geology and Mining, Guindy, Chennai vide Rc. No. 5227/MM4/2020, dated 14.10.2020.

7. 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.
8. Now the project proponent has submitted online application vide Proposal No. SIA/TN/MIN/180759/2020 dated: 27.10.2020 system for extension of validity of the Environmental Clearance for the remaining Lease Period.
9. As per the mining plan, the lease period is for 20 years. The production for 5 years (as per approved scheme of mining 2020-21 to 2024-25) not to exceed –ROM – 12750m³ (Recovery @60% =7650 m³ & Waste@ 40% = 5100 m³ **Multi Colour Granite**) with proposed depth of 12m(BGL). Annual Peak Production of ROM capacity: 2,550 m³ (consistent from 1st to 5th year)
10. Earlier, proposal was placed in the 315th Meeting of SEAC held on 29.09.2022. 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 annual production capacity of the ROM not exceeding 2,550 m³ (1st to 5 years) m³ 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 and normal conditions stipulated by MOEF&CC, in addition to the specific conditions as stated therein.
11. Subsequently, this proposal was placed in the 561st Meeting of SEIAA held on 18.10.2022. The Authority noted that the subject was appraised in 315th SEAC meeting held on 29.09.2022. Based on the presentation & documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance. The authority after detailed discussion noted that
 - a. On the initial scrutiny, it is ascertained that in the earlier Environmental clearance vide Lr. No. SEIAA-TN/F.No.3824/1(a)/ EC. No:2460/2015 dated: 24.11.2015 issued the production quantity approved was 7650 cbm @ 60% recovery as per the mine plan. Further, it was noted that the proponent had achieved a production quantity of only 1403 441 cbm.


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Hence, the proponent shall clarify the details regarding the difficulty in achieving 60% recovery as proposed in the previous Environmental Clearance.


- b. When there is a balance quantity of mineral which amounts to 6246.559 m³ to be mined out of the earlier quantity approved, what is need for the next scheme of mining.
- c. 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.
- d. 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 seems to be not viable.
- e. Further, it is ascertained that there are neighbouring granite quarries which are existing, hence the proponent is requested to submit the recovery achieved in the neighbouring quarries and submit a detailed comparative study in order to assess the possibility of achieving 60% recovery as proposed.

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

Subsequently, the proposal was again placed in the 328th SEAC meeting held on 11.11.2022. Based on the presentation made by the PP, SEAC decided that the replies given are inadequate and decided to call for detailed replies to the queries raised by SEIAA.

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


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Agenda No: 328-10

(FileNo:5870/2022)

Extension of validity of existing Multi coloured Granite Quarry lease over an extent of 2.75.5 Ha in S.F.Nos.483/2A of Nadanthai Village, Paramathivelur Taluk, Namakkal District, Tamil Naduby M/s. M.M. Exports – Extension of validity of Environmental Clearance - Regarding. (SIA/TN/MIN/251491/2022,dated: 13.01.2022)

The proposal was placed for appraisal in this 328th meeting of SEAC held on 11.11.2022. The details of the proposed quarry furnished by the proponent are available in the website (parivesh.nic.in).

SEAC noted the following:

1. The Project Proponent, M/s. M.M. Exports, has applied for extension of validity of Environmental Clearance for the proposed Rough Stone Quarry lease over an extent of 2.75.5 Ha in S.F.Nos. 483/2A of Nadanthai Village, Paramathivelur Taluk, Namakkal 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 EC was issued vide Lr. No.SEIAA-TN/F.No.5870/1(a)/ ECNo:3894/2016 dated: 18.11.2016.
4. The PP has applied for Extension of the validity of the EC in Form 6 through Parivesh Portal.
5. The letter from Director, Directorate of Geology and mining, Guindy vide RC.No.5254/MM4/2021 Dated: 20.12.2021 states that the quantity approved by SEIAA is 10,260 cbm for the first five years period upto 04.01.2022; and the lessee has transported 4512.947 cbm from the lease hold area.
6. Further, the proponent had submitted scheme of mining for the year 2022-2023 to 2026-2027 for the proposed production of 10,248 m³ @ 60% recovery for a maximum depth of 33m.
7. Earlier the proposal was placed in 315th SEAC meeting held on 29.09.2022. After examining the documents & project proposals furnished by the project proponent and based on the presentations & detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance.

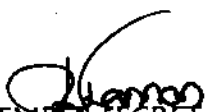

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8. Subsequently, the proposal was placed in 561st Authority meeting held on 18.10.2022. The authority after detailed discussion noted that

- a. On the initial scrutiny, it is ascertained that in the earlier Environmental clearance vide Lr. No. SEIAA-TN/F.No.5870/1(a)/ EC. No:3894/2015 dated: 18.11.2016 issued the production quantity approved was 10,260 cbm @ 60% recovery as per the mine plan. Further, it was noted that the proponent had achieved a production quantity of only 4,789.754 cbm @ 15% average. Hence, the proponent shall clarify the details regarding the difficulty in achieving 60% recovery as proposed in the previous Environmental Clearance.
- b. When there is a balance quantity of mineral which amounts to 5470.246 m³ to be mined out of the earlier quantity approved, what is need for the next scheme of mining.
- c. 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.
- d. 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 seems to be not viable.
- e. Further, it is ascertained that there are neighbouring granite quarries which are existing. hence the proponent is requested to submit the recovery achieved in the neighbouring quarries and submit a detailed comparative study in order to assess the possibility of achieving 60% recovery as proposed.

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


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Subsequently, the proposal was again placed in the 328th SEAC meeting held on 11.11.2022. Based on the presentation made by the PP, SEAC decided that the replies given are inadequate and decided to call for detailed replies to the queries raised by SEIAA.

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

Agenda No: 328 – 11

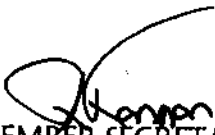
(File No. 6856 /2021)

Existing Mothaiyanur Lime Stone quarry over an Extent of 8.00.5Ha in SF.No.48,63 & 66 of Chinnagoundanur Village, Sankari Taluk, Salem District, Tamil Nadu by M/s.The India Cements Limited - for Amendment to the Terms of Reference already Issued "Under Violation". (SIA/TN/MIN/221131/2021 dated 22.07.2021)

The proposal was earlier placed in the 309th meeting of SEAC held on 02.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s.The India Cements Limited has applied seeking Amendment to the Terms of References already Issued under Violation Category for the Existing Mothaiyanur Lime Stone quarry over an Extent of 8.00.5Ha in SF.No.48,63 & 66 of Chinnagoundanur Village, Sankari Taluk, Salem District, Tamil Nadu State.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR for carrying out the EIA study under violation was issued vide Lr No.SEIAA-TN/F.No.6856/SEAC/TOR-847/2019 Dated:17.02.2021.


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Now, the proponent was applied seeking amendment to the Terms of Reference already Issued vide Online Proposal No.SIA/TN/MIN/221131/2021 dated 22.07.2021, stating as follows:

(1) Page number 2 of 24 of the ToR, point no.1:

"Restricting the depth of mining to ultimate depth of 27.0m and quantity of 9,91,715m³ of Rough stone, 60,708m³ of weathered formation and 80,944m³ of gravel for a period of five years leaving the last bench height of 5m as per the approved mining plan considering the hydro geological regime of the surrounding area." to be replaced with

"This project involves the peak production capacity of 0.61 lakh tones of limestone with the expected life of the mine being about 14 years and the ultimate pit limit being 40m depth"

(2) Page number 2 of 24 6th line

Chinnagoundar lime stone quarry to be changed as Mothaiyanur limestone mine (south) (G.O.No.76)

(3) Page number 4 of 24 of the ToR, Point no.7(a):

"Restricting the depth of mining to ultimate depth of 27.0m and quantity of 9,91,715m³ of rough stone, 60,708m³ of weathered formation and 80,944m³ of gravel for a period of five years leaving the last bench height of 5m as per the approved mining plan considering the hydro geological regime of the surrounding area."

To be replaced with

This project involves the peak production capacity of 0.61lakh tones of limestone with the expected life of the mine being about 14 years and the ultimate pit limit being 40m depth.

(4) Page number 4 of 24 Point No.8- Point No.8 to be deleted


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Besides, the name of the project in the subject of the ToR has been mentioned as 'Chinnagoundanur limestone quarry' however the ToR application was made with the project name 'Mothaiynur Limestone Mine (south) (G.O.No.76)

Based on the presentation & documents furnished by the project proponent, SEAC decided to recommend for grant of amendment to Terms of Reference issued dated: 17.02.2021 subject to the condition that the other conditions mentioned in the ToR vide Lr No.SEIAA-TN/F.No.6856/SEAC/TOR-847/2019 Dated:17.02.2021 remain unaltered.

Subsequently the subject was placed in the 554th meeting of Authority held on 26.09.2022. The Authority noted that SEAC has recommended for the issue of amendment to ToR (Violation) Lr No.SEIAA-TN/F.No.6856/SEAC/ToR-847/2019 Dated:17.02.2021 subject to the conditions stated therein. The Authority, after detailed deliberations, decided to request the Member Secretary, SEIAA TN to refer back the subject to SEAC after the receipt of the following additional particulars from the Proponent:

1. As the present scheme of mining has been approved only for the period upto 2021-2022, the proponent shall furnish valid scheme of mining obtained from Competent Authority along with the approval letter.
2. The proponent is directed to furnish the exact period of mining, which is currently stated as "about 14 years".

Hence the subject was placed in this 328th meeting of SEAC held on 11.11.2022 and the Proponent furnished the copy of approved mining plan for the period 2022-2023 to 2026-27 to the Committee issued by IBM vide Lr. No. TN/SLM/LST/ROMP-1678.MDS dated 07.12.2021 and informed that the life of mine as per the present review of mining plan is 14.5 years.


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Based on the documents furnished and the presentation made by the Proponent, the Committee decided to reiterate the recommendations already made in the 309th meeting of SEAC held on 02.09.2022 and the life of mine is estimated as 14.5 years. All the other conditions mentioned in the ToR vide Lr No. SEIAA-TN/F.No.6856/SEAC/ToR-847/2019 Dated: 17.02.2021 remain unaltered.

Agenda No: 328 -12

(File No: 7064/2021)

Proposed Rough stone & gravel quarry lease area over an extent of 1.07.5 Ha at .F. No. 59/13, 59/14, 59/15,59/16, 59/17, 59/18 & 59/19, Brammadesam Village, Marakkanam Taluk, Viluppuram District, Tamil Nadu by Thiru.R.Vadivel - For Environmental Clearance. (SIA/TN/MIN/59982/2021 Dt.22.2.2022)

The proposal was placed for appraisal in this 268th meeting of SEAC held on 29.4.2022. 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.R.Vadivel has applied for Environmental Clearance for the proposed Rough stone quarry lease area over an extent of 1.07.5 Ha at .F. No. 59/13, 59/14, 59/15,59/16, 59/17, 59/18 & 59/19, Brammadesam Village, Marakkanam Taluk, Viluppuram 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. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 71510 m³ of rough stone and 13254 m³ of gravel. The Annual peak production as per mining plan is 15455 m³ of rough stone (4th year) & 7002 m³ of gravel (2nd year) with ultimate depth – 22m BGL.
4. The PP has issued with ToR vide Lr No. SEIAA-TN/F.No. 7064/SEAC/ToR-977/2019 Dt. 5.7.2021.

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 normal conditions stipulated by MOEF & CC, in addition to the specific conditions:


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The subject was placed before the Authority in its 512th meeting held on 30.05.2022. After detailed discussions the Authority decided to request the Member Secretary, SEIAA TN to obtain a detailed study report from the proponent on the impact of proposed mining on the following and place before the Authority for further course of action.

1. Aquifer in the vicinity
2. Ground water potential and impact
3. Water bodies which includes Eri/Oddai/Lake located in the vicinity
4. Biodiversity
5. Marine/Coastal ecosystem
6. Change in land use and land cover
7. The EMP has to provide detailed mitigation strategies
8. Detailed Disaster management plan

In this connection, the project proponent has furnished reply vide Lr. dt: 17.10.2022 received on 20.10.2022. The proposal was again placed for appraisal in 328th meeting of SEAC held on 11.11.2022.

Based on the presentation and document furnished by the project proponent, SEAC decided to re-confirm the recommendation already made, including all conditions therein, in 268th SEAC meeting held on 29.04.2022.

Agenda – 328 - 13

File No. 7774/2020

Proposal Seeking Environmental Clearance for Marapparai Rough stone Cluster quarries over a Cluster Extent of 16.09.28 ha Marapparai Village, Tiruchengode Taluk and Namakkal District. – For Environmental Clearance (SIA/TN/MIN/55795/2021)

The salient features of the project and the environmental impact assessment as presented by the proponents is given below.

PROPOSED QUARRIES					
CODE	Name of the Owner	S.F. Nos	Extent	ToR No	SEAC Meeting No
P1	Thiru. R.Paramasivam, S/o. Ramasamy, No. Tiruchengode Road, And	20/2B (Part) and	1.00.0 h	Lr.No. SEIAA-TN /F.No.7773/SEAC/ToR-8 /2020 Dated :09.11.2020	269 th SEAC Meeting


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	Rasipuram Taluk, Namakkal District, Tamil Nadu	21/5C (part)			
P2	Thiru.K.Periyasamy, S/o. Kandasamy, No.5/49, Thennamarathupalayam, Marappara, Tiruchengode Taluk, Namakkal District, Tamil Nadu State – 637 4	21/5B(Part)	1.00.0 ha	Lr.No. SEIAA-TN/F.No.7 /SEAC/ToR-818/2020 Dated :11.11.2020	265 th SEAC Meeting
P3	Tmt.B.Megala, D/o.Balasundaram, Thennamarathupalayam, Marappara, Tiruchengode Taluk, Namakkal District, Tamil Nadu State – 637 4	224(Part)	1.40.0ha	Lr. No. SEIAA-TN /F.No.8445/SEAC /ToR-999/2021 Dated :28.07.2021	270 th SEAC Meeting
P4	Thiru.M.Krishnan, S/o. Marappan, Periya manali Road, Vaiyappamalai Post, Tiruchengode Taluk, Namakkal District – 637 4	176/2, 173/3(P), & 176/11(F)	0.90.25	Lr.No. SEIAA-TN/F.No.8 /SEAC/ToR-939/2020 Dated :16.04.2021	267 th SEAC Meeting
P5	Thiru. S.Nandhakumar, S/o. Sellappan, No.4/103, Mettukadu, Nallampalayam, Konnayar, Tiruchengode Namakkal District – 637 2	22/2	1.16.0ha	Lr.No. SEIAA-TN/F.No. 8268/SEAC/ToR-947/202 Dated :30.04.2021	267 th SEAC Meeting
P6	Thiru.S.Rangasamy, S/o. Subbayan, Kattipalayam, Karungalpatti (Post), Tiruchengode Taluk, Namakkal District – 637 4	176/1A, 176/5A, 176/6A & 316/2B2	2.02.3 ha	Lr.No. SEIAA-TN/F.No.8 /SEAC/ToR-962/2020 Dated :30.04.2021	270 th SEAC Meeting

Proponent – P2 – Thiru K.Periyasamy

In the 265th SEAC Meeting held on 21.04.2022 are as follows:


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1. The proponent applied for ToR in B1 Category on 27.08.2020 proposal No No.SIA/TN/MIN/55795/2020, Dated: 20.08.2020
2. The unit was issued ToR vide Letter No SEIAA-TN/F.No.7774/SEAC/TOR-818/2020 Dated: 11.11.2020
3. The project area is an existing quarry operated in the year of 2008 to 2013, Existing depth is 6m
4. Quarrying Operation will be done by Opencast Semi Mechanized method.
5. Lease applied area is not covered under HACA region.
6. Nearest Reserve forest is Palanthinnipatti RF 7.8 km NE
7. No Coastal Regulation Zone (CRZ) within the radius of 10 km from the lease area.
8. No interstate boundary & Western Ghats Boundary within the radius of 5km from the lease area.
9. No National park & wild Life sanctuary within the radius of 1 km from the lease area.
10. No critically polluted area are notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 5km from the lease area.
11. No Protected Area, Eco Sensitive Zone &. Eco Sensitive Area within the radius of 5km.
12. No habitation within the radius of the 300m from the lease area and nearest habitation is located at a distance of 410m North West side of the lease area.

The SEAC noted the following:

1. The Project proponent Thiru. K.Periyasamy has applied for the Environmental Clearance for proposed Rough stone and Gravel quarry lease over an extent of 1.00.0 ha at S.F.Nos 21/5B (P) Marapparai Village, Tiruchengode Taluk, Namakkal 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. As per the Mining plan, the lease period is for 5 years. The production for 5 years not to exceed – 1,14,385m³ of Rough stone and 8,568m³ of Gravel with an ultimate depth of mining is 37m (2m Gravel + 35m Rough stone). The


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annual peak production as per mining plan is 30,345cu.m of Rough stone.

4. ToR issued vide ToR issued vide Lr. No. SEIAA.TN/F.No.7745/SEAC/ToR-818/2020 Dated 11.11.2020
5. Public hearing conducted on 21.10.21

Based on the presentation and the documents furnished by the project proponent, SEAC noted that, there are some houses located near the project site and the same has been raised during public hearing and hence SEAC decided to conduct on the spot site inspection by a sub-committee.

OBSERVATIONS OF THE SUB-COMMITTEE

Sl No.	Criteria	Observation in the filed
1.	Existing /Fresh	Existing pit observed within the project area operated in the year of 2008 to 2013, Existing depth is 6m
2	Drilling, Blasting and Heavy Machinery use	Planned to adopt the Drilling & Blasting operations
3	Adequate and qualified statutory personnel	In the mining plan it is proposed to deploy 21 Nos
4	Waste	No waste anticipated, entire quarried out material will be commercially consumed.
5	Habitation / Forest location	Habitation: - There is no habitation within 50 mts radial distance of lease hold area as per Rule 36(1) of TNMMCR, 1959. However, it has been observed that a structure (shed) located at a distance of 160m North West and at distance of 220m North. Nearest house is located at a distance of 170m South West. Nearest Reserve Forest: Palanthinnipatti RF 7.8 km NE
6.	Ground water table intersection.	Depth proposed in mining plan is 42m bgl As per ToR recommendation, the depth has been reduced to 37m bgl. Water table in this area is 62m from GL. Hence there is no possibility of intersection ground water table.
7	Trees within the project area	Two Neem trees located North side of the project area.
8	Water bodies near the project site	No water bodies exist within the radius of 50m from the project site, as per the legal requirements.


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9	Mined material transport route	500 meters away from habitation
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RECOMMENDATIONS OF THE SUB COMMITTEE


1. The Sub-committee has observed that the green belt is being developed on the Haulroad leading to the quarry site. However, it is recommended that the proponent shall maintain the green belt all around the quarry site covering a width of 10 m during the quarrying operations.
2. It is observed that there are about 2 nos of Neem trees within the project site it is recommended to transplant the Trees in the boundary barrier.
3. Since the existing pit is not installed with the fencing, it is recommended to fence around the project site before commencement of mining operation.
4. Even though an Individual house is located 170m South West side of the project site, no objections/complaints were made to the SEAC sub-committee by the House owner during the interaction with the SEAC sub-committee. However, the sub-committee observes the Rule 36 (1-A) (a) (a) of Tamil Nadu Minor Mineral Concession Rules, 1959 which states that

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

Provided that the existing quarries which are subsisting under current leases shall be entitled for continuance till the expiry of the lease period. The lessees whose quarries lie within a radius of 300 metres from the inhabited site shall undertake blasting operations only after getting permission of the Director of Mines Safety, Chennai."

5. Hence, it is recommended to adopt the controlled blasting operation after obtaining the prior permission from the Director of Mines Safety, Chennai Region which shall be obtained before obtaining the CTO from the TNPCB.

Hence, the subcommittee opines the **proposal for the grant of environmental clearance** for the proposed Rough stone and Gravel Quarry lease area over an extent of 1.00.0 Ha at S.F.Nos. 21/5B(Part) of Marapparai Village, Tiruchengode Taluk, Namakkal District Tamil Nadu by Thiru. R. Paramasivam, **may be considered for the appraisal of the SEAC.**


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The proposal was placed in the 560th Authority meeting held on 17.10.2022. The Authority after detailed discussion decided to refer back the proposal to SEAC after the receipt of following additional particulars from the project proponent as follows

- i) To furnish copy of permission obtained from Director Mines Safety, Dept. of Geology & Mining, Tamilnadu in regard to proposed existing rough stone quarry lie within 300m radius from the inhabited sites and for method of mining (blasting technique) as per Rule 36 (1-A) (a) of TNMMCR,1959.
- ii) The proponent shall furnish photographs of erected barbed wire fencing around the proposed mining site.
- iii) SEAC remarks & recommendation on the Certified Compliance Report (CCR) Dt:29.06.2022 & CER activities proposed by the project proponent.
- iv) Details of Cluster Management Committee proposed and its Environmental Policy to practice sustainable mining & EMP for effective implementation of including Green Belt Development, Water sprinkling, blasting plan & its frequency by the member units of the cluster, usage of haul roads, risk management plan with safety measures to avoid untoward accidents, Emergency management/evacuation plan during natural disaster/calamities, Health of workers/ the public nearby etc.,

In this connection, the proposal was again placed for appraisal in 328th meeting of SEAC held on 11.11.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to re-confirm the recommendation already made in 314th SEAC meeting held on 23.09.2022 subject to following additional specific conditions:

- i) SEAC noted that this is an existing quarry, as per Rule 36 (1-A) (a) of TNMMCR,1959, the project proponent shall obtain prior permission from Regional Inspector of *Directorate General of Mines Safety, Chennai* before


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obtaining CTO from TNPCB in regard to Buildings (or) Permanent structures present within 300m radius of the proposed mining area.

- ii) No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry without prior permission obtained from the Director of Mines Safety, Chennai Region.
- iii) The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
- iv) 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 before obtaining the CTO from TNPCB.
- v) The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO from the TNPCB.
- vi) The proponent shall create a separate bank account and shall deposit the cost allocated for the committed EMP activities every year and the said expenditure details spent on the committed EMP activities shall be maintained & periodically submitted to TNPCB.

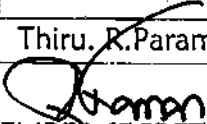
Agenda No: 328 -14

(File No: 8268/2021)

Proposal Seeking Environmental Clearance for Marapparai Rough stone Cluster quarries over an Cluster Extent of 16.09.28 ha Marapparai Village, Tiruchengode Taluk and Namakkal District.

The salient features of the project and the environmental impact assessment as presented by the proponents is given below.

PROPOSED QUARRIES					
CODE	Name of the Owner	S.F.Nos	Extent	ToR No	SEAC Meeting No
P1	Thiru. R.Paramasivam,	20/28	1.00.0 ha	Lr.No. SEIAA-TN	269 th SEA


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	S/o. Ramasamy, No. (Part) Tiruchengode Road, And and Rasipuram Taluk, 21/5C (part) Namakkal District, Tamil Nadu			/F.No.7773/SEAC/ToR-8 /2020 Dated :09.11.2020	Meeting
P2	Thiru.K.Periyasamy, S/o. Kandasamy, No.5/49, Thennamarathupalayam, Marapparai, Tiruchengode Taluk, Namakkal District, Tamil Nadu State – 637 4	21/5B(Part)	1.00.0 ha	Lr.No. SEIAA-TN/F.No.7 /SEAC/ToR-818/2020 Dated :11.11.2020	265 th SEA Meeting
P3	Tmt.B.Megala, D/o.Balasundaram, Thennamarathupalayam, Marapparai, Tiruchengode Taluk, Namakkal District, Tamil Nadu State – 637 4	224(Part)	1.40.0ha	Lr. No. SEIAA-TN /F.No.8445/SEAC /ToR-999/2021 Dated :28.07.2021	270 th SEA Meeting
P4	Thiru.M.Krishnan, S/o. Marappan, Periya manali Road, Vaiyappamalai Post, Tiruchengode Taluk, Namakkal District – 637 4	176/2, 173/3(P), & 176/11(P)	0.90.25ha	Lr.No. SEIAA-TN/F.No.8 /SEAC/ToR-939/2020 Dated :16.04.2021	267 th SEA Meeting
P5	Thiru. S.Nandhakumar, S/o. Sellappan, No.4/103, Mettukadu, Nallampalayam, Konnayar, Tiruchengode Namakkal District – 637 2	22/2	1.16.0ha	Lr.No. SEIAA-TN/F.No. 8268/SEAC/ToR-947/20 Dated :30.04.2021	267 th SEA Meeting
P6	Thiru.S.Rangasamy, S/o. Subbayan, Kattipalayam, Karungalpatti (Post), Tiruchengode Taluk, Namakkal District – 637 4	176/1A, 176/5A, 176/6A & 316/2B2	2.02.3 ha	Lr.No. SEIAA-TN/F.No.8 /SEAC/ToR-962/2020 Dated :30.04.2021	270 th SEA Meeting

Proponent – P5 – Thiru. S.Nandhakumar – File No 8268

In the 267th SEAC Meeting held on 28.04.2022 are as follows:


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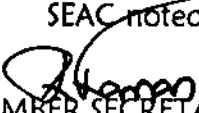
1. The proponent applied for ToR in B1 Category on 21.01.2021 proposal No SIA/TN/MIN/60076/2021, Dated: 21.01.2021
2. The unit was issued ToR vide Letter No TN/F.No.8268/SEAC/TOR-947/2021 Dated: 30.04.2021
3. The project area is an existing quarry operated in the year of 28.07.2014 to 27.07.2019 in S.F.Nos 22/2 Over an extent of 1.16.0 ha
4. Quarrying Operation will be done by Opencast Semi Mechanized method.
5. Lease applied area is not covered under HACA region.
6. Nearest Reserve forest is Palanthinnipatti RF 8.0 km NE
7. No Coastal Regulation Zone (CRZ) within the radius of 10 km from the lease area.
8. No interstate boundary & Western Ghats Boundary within the radius of 5km from the lease area.
9. No National Park & wild Life sanctuary within the radius of 1 km from the lease area.
10. No critically polluted area are notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 5km from the lease area.
11. No Protected Area, Eco Sensitive Zone &. Eco Sensitive Area within the radius of 5km.
12. No habitation within the radius of the 300m from the lease area and nearest habitation is located at a distance of 330m North West side of the lease area.

The SEAC noted the following:

1. The Project proponent Thiru. S. Nandhakumar has applied for Environmental Clearance for proposed Rough stone & Gravel quarry lease over an extent of 1.16.0 ha at S.F.No 22/2 Marapparai Village, Tiruchengode Taluk, Namakkal 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.

Based on the presentation and documents furnished by the project proponent.

SEAC noted that, there are some houses located near the project site and the


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same has been raised during public hearing and hence SEAC decided to conduct an on – the spot site – inspection by the sub committee members to verify the facts.

OBSERVATIONS OF THE SUB-COMMITTEE

Sl No.	Criteria	Observation in the filed
1.	Previous lease details	Area has been quarried earlier in the Same S.F.No during the period of 28.07.2014 to 27.07.2019 vide EC No SEIAA-TN/F.No.2173/EC/1(a)/1233/2014 dated 15.04.2014 Proponent obtained Certified Compliance report E.P/12.1/2022-23/SEIAA/53/TN/674 dated 29.06.2022 Existing depth 10m bgl
2	Drilling , Blasting and Heavy Machinery use	Planned to adopt the Drilling & Blasting operations
3	Adequate and qualified statutory personnel	In the mining plan it is proposed to deploy 12 Nos
4	Waste	No waste anticipated, entire quarried out material will be utilized for commercial applications.
5	Habitation / Forest location	Habitation:- There is no habitation within 50 mts radial distance of lease hold area as per Rule 36(1) of TNMMCR, 1959. A Farm house is located in North side of the area about 20m from the boundary, and hence as per precise area communication letter, a 50m safety distance has been left to carry out the quarrying operations from the boundary. Nearest Structures: Labour Shed 70m South (belongs to owner), Habitation (group of houses) 210m west side of the project area. Palanthinnipatti RF 7.8 km NE
6.	Ground water table intersection.	Depth proposed in mining plan is 37m bgl As per ToR recommendation depth has been reduced to 32m bgl Water table in this area is 62m from GL. Hence there is no possibility of intersection ground water table.
7	Greenbelt	No adequate greenbelt development has been carried out.
8	Water bodies near the project site	No water bodies exist within the radius of 50m from the project site, as per the legal requirements.
9	Mined material	500 meters away from habitation


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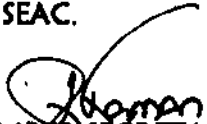
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RECOMMENDATIONS OF THE SUB COMMITTEE

1. Previous mining operation was carried out after leaving necessary safety distance to the farm house located North side of the project area.
2. It is an existing quarry and the dense greenbelt shall be carried out in the unutilized safety area of the quarry.
3. Mining operation was carried out during the period of 28.07.2014 to 27.07.2019 vide EC No SEIAA-TN/F.No.2173/EC/1(a)/1233/2014 dated 15.04.2014. The Proponent obtained certified compliance report vide 28.07.2014 to 27.07.2019.
4. The Proponent shall be instructed to carryout controlled blasting with line drilling method to reduce ground vibration.
5. Since a Labour Shed and Crusher are located at a distance of about 20m South (belongs to owner) along with Poultry farm & Farm house South West are situated at a distance of 220 m & 230m South West respectively, the Proponent shall be advised to carryout controlled blasting with line drilling method to reduce ground vibration.
6. However, the sub-committee observes the Rule 36 (1-A) (a) (a) of Tamil Nadu Minor Mineral Concession Rules, 1959 which states that
*"...No lease shall be granted for quarrying stone within 300 metres (three hundred metres) from any inhabited site;
 Provided that the **existing quarries** which are subsisting under current leases shall be entitled for continuance till the expiry of the lease period. The lessees whose quarries lie within a radius of 300 metres from the inhabited site shall undertake blasting operations only after getting permission of the Director of Mines Safety, Chennai."*

1. Hence, it is recommended to adopt the controlled blasting operation after obtaining the prior permission from the Director of Mines Safety, Chennai Region which shall be obtained before obtaining the CTO from the TNPCB.
2. It is observed fencing has not been fully carried out and hence it is recommended to erect barbed wire fencing around the project area with name board before obtaining the CTO from the TNPCB.

Hence, the subcommittee opines the **proposal for the grant of environmental clearance** for the proposed Rough stone and Gravel Quarry lease area over an extent of 1.16.0 Ha at S.F.Nos. 22/2 of Marapparai Village, Tiruchengode Taluk, Namakkal District Tamil Nadu by Thiru. S.Nandhakumar, **may be considered for the appraisal of the SEAC.**


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The proposal was placed in the 560th Authority meeting held on 17.10.2022. The Authority after detailed discussion decided to refer back the proposal to SEAC after the receipt of following additional particulars from the project proponent as follows

- i) To furnish copy of permission obtained from Director Mines Safety, Dept. of Geology & Mining, Tamilnadu in regard to proposed existing rough stone quarry lie within 300m radius from the inhabited sites and for method of mining (blasting technique) as per Rule 36 (1-A) (a) of TNMMCR,1959.
- ii) The proponent shall furnish photographs of erected barbed wire fencing around the proposed mining site.
- iii) SEAC remarks & recommendation on the Certified Compliance Report (CCR) Dt:29.06.2022 & CER activities proposed by the project proponent.
- iv) Details of Cluster Management Committee proposed and its Environmental Policy to practice sustainable mining & EMP for effective implementation of including Green Belt Development, Water sprinkling, blasting plan & its frequency by the member units of the cluster, usage of haul roads, risk management plan with safety measures to avoid untoward accidents, Emergency management/evacuation plan during natural disaster/calamities, Health of workers/ the public nearby etc.,

In this connection, the proposal was again placed for appraisal in 328th meeting of SEAC held on 11.11.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to re -confirm the recommendation already made in 314th SEAC meeting held on 23.09.2022 subject to following additional specific conditions:

- i) SEAC noted that this is an existing quarry, as per Rule 36 (1-A) (a) of TNMMCR,1959, the project proponent shall obtain prior permission from Regional Inspector of *Directorate General of Mines Safety, Chennai* before


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obtaining CTO from TNPCB in regard to Buildings (or) Permanent structures present within 300m radius of the proposed mining area.

- ii) No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry without prior permission obtained from the Director of Mines Safety, Chennai Region.
- iii) 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 before obtaining the CTO from TNPCB.
- iv) The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO from the TNPCB.
- v) The proponent shall create a separate bank account and shall deposit the cost allocated for the committed EMP activities every year and the said expenditure details spent on the committed EMP activities shall be maintained & periodically submitted to TNPCB.

Agenda No: 328-15

(File No: 8425/2021)

**Proposed Multi Colour Granite quarry over an extent of 1.76.0 Ha at S.F.No: 22/7A,22/8,22/9,22/10,39/1,39/3, Thonugal village, Kariyapatti Taluk, Virudhunagar District, Tamil Nadu by Thiru.S.Thirumavalavan- For Environmental Clearance.
(SIA/TN/MIN/200565/2021 Dt.01.03.2021)**

Earlier, this proposal was placed for appraisal in this 309th SEAC Meeting held on 2.09.2022. The details of the project furnished by the proponent are given in the web site(parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Thiru.S.Thirumavalavan, has applied for Environmental Clearance Multi Colour Granite quarry over an extent of 1.76.0 Ha at S.F.No: 22/7A,22/8,22/9,22/10,39/1,39/3, Thonugal village, Kariyapatti Taluk, Virudhunagar District, Tamil Nadu.


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2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. The quarry land falls under Non Forest / Patta land.
4. It is a fresh quarry seeking Environmental Clearance for 5 years applied in the year
5. As per the proposal, the depth of mining proposed is 13m BGL with a total quantity recoverable is 8,586 Cu.m of multicolored granite and 11,904 cu.m of weathered rock and top soil.
6. The project was placed before the 229th SEAC committee dated 27.08.2021. Based on the case presented by the proponent through his consultant SEAC noted as follows:

SEAC observed that there is an odai adjacent to the proposed quarry site and it has been cut off by the previous mining activity. SEAC also mentioned that that the odai has to be restored and adequate safety distance to the odai. With this at the backdrop, SEAC had decided to make a visit by subcommittee members to assess the actual present condition and feasibility for restoring the odai. It was also decided to deliberate based on the above report for further course of action.

The sub-committee comprising of Shri. R Thangaprakasam, Member, SEAC and Dr. M R Ramasubramaniyan Member, SEAC. The sub-committee members were accompanied by the proponent Mr. Thirumavalavan, during the mine visit on 27.05.2022. The EIA consultant Mr. Guru Ramachandran also accompanied the subcommittee during the visit.

The observations made in the field and recommendation derived on the basis of the field visit is as below:

Observations:

1. The proposed quarry site has been properly fenced with stones and barbed wire.
2. There is an abandoned quarry adjacent to the proposed quarry without any safety enclosure. However, it was noted that the said expired quarry


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was operational more than 20 years ago and there has been no recent quarrying activity in the vicinity.

3. Green belt development initiatives have been started and conocarpus plants have been planted which are well established at the time of inspection
4. There is aodai on the northern side of the quarry. However, the quarry operation shall be 50m away from the odai.
5. The odai has been restored from the point of commencement of lease area by the proponent where he has the right to undertake the activity. He has restored the odai to a distance of more than 200 m which is sufficient enough to drain the water to the adjacent kanmai.
6. There is a small village temple about 75 m from the quarry on the western side. However, on enquiry with the local villagers, it was observed that the village people visit the temple hardly for 5- 6 days in a year.
7. As per the proposal there is very minimal / occasional blasting activity required for mining this quarry and only diamond wire saw cutting will be used.

Recommendations:

1. The proponent has adhered to the basic conditions including fencing, green belt development and safety distance from the proposed odai.
2. Since there is very minimal blasting in this quarry, the proximity of the quarry near the temple is not going to affect the normal activity of the villagers.
3. Moreover, since the activity near temple is hardly going to be for 5 – 6 days in a year, the quarrying activity will not be a disturbance to the community.
4. Moreover, blasting, if any, to be done can be taken up only when there is no gathering in the temple. This can be put as a condition to the proponent.
5. The odai has been restored as advised by earlier SEAC committee observations and smooth passage of rainwater has been ensured around the proposed quarry
6. With these observations at the backdrop, the subcommittee recommends that EC may be granted to the proposed mine provided the proponent fulfils all the other laid down conditions applicable for EC clearance and granting of license


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The proposal was again been placed in 309th SEAC meeting held on 2.09.2022. Based on the recommendations of the sub-committee and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance** for below quantity

Year	ROM in m ³	Multi Colour Granite 30% Recovery in	Granite Waste 70 % in m ³	Top Soil & Weathered Rock in m ³	Side Burden in m ³
I			-	4,092	-
	5,400	1,620	3,780		
	5,400	1,620	3,780		-
II				3,906	-
	5,670	1,701	3,969		-
	5,670	1,701	3,969		-
III				3,906	-
	5,670	1,701	3,969		-
	5,670	1,701	3,969		-
IV	5,940	1,782	4,158		
	5,940	1,782	4,158	-	-
V	5,940	1,782	4,158		-
	5,940	1,782	4,158	-	-

Subsequently, the proposal was placed in 554th SEIAA meeting held on 26.09.2022.

After detailed deliberation, SEIAA noted that

1. As per the KML file uploaded by the proponent, it is ascertained that PattavanKovil exists at 214m, Nazareth Church at 264m and Sri Andiyappan Temple at 80m from the proposed mine lease area. Since, the proposed quarry is situated in sensitive area, proponent is requested to obtain NOC from Director, Department of Geology and Mining.
2. As per Tamil Nadu Minor Mineral Concession Rules, 1959 a safety distance of 50 Mts. from the highways and railway lines should be left and maintained. The proposed mine lease area is abutting Madurai Thoothukudi Highway. Hence, the proponent is requested to leave a safety distance of 50m from the Highway and submit a revised quantity and Mine plan section.


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In the view of the above, SEAC may examine with the above-mentioned points and furnish the remarks to SEIAA.

Based on the above queries, the proposal was again placed in 328th SEAC meeting held on 11.11.2022. Based on the presentation made by the PP, SEAC noted that

1. The PP had applied for NOC from the Director, Department of Geology and Mining and had requested for additional time to submit the NOC before Committee.

Hence, upon the receipt of NOC from Director, Department of Geology and Mining, the proposal will be taken up for further appraisal.

Agenda No. 328-16


(File No. 9018/2022)

Proposed Gravel quarry lease over an extent of 3.20.0 Ha at S.F.Nos. 117/3, 117/4, 117/5 & 112 of T. Pudukkottai Village, Manamadurai Taluk, Sivagangai District, Tamil Nadu by Thiru.K.Neelamegam - For Environmental Clearance. (SIA/TN/MIN/257294/2022 dated 18.02.2022)

The proposal was placed in this 328th Meeting of SEAC held on 11.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
2. Earlier, this proposal was placed in the 281st Meeting of SEAC held on 03.06.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to ask for the following additional details from the Project Proponent.
 - Letter from any accredited Mine Surveyor or Irrigation Department, indicating the distance from the proposed quarry site to the nearby river course.
 - The project proponent shall furnish soil analysis report obtained from **anyone of the following test laboratories** authorized by the Director of Geology and Mining.


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3. The proponent has furnished the soil analysis report vide letter dt: 13.06.2022 and mine surveyor letter dt: 29.06.2022. Hence, the proposal was placed for reappraisal in this 307th Meeting of SEAC held on 26.08.2022. Based on the presentation and documents 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.
4. Subsequently, this proposal was placed in the 552nd Meeting of SEIAA held on 20.09.2022. After detailed discussion the Authority decided to request the Member Secretary SEIAA-TN to refer back the proposal to SEAC-TN stating the following reasons,
5. It was noticed that a complaint dt: 23.06.2022 was received on 27.06.2022 objecting issue of Environmental Clearance for the proposed mining area for the said reasons stated therein by the complainant.

Now, the proposal was placed in this 328th Meeting of SEAC held on 11.11.2022. During the presentation, the PP has requested additional time to submit the further details as sought by the Authority. Hence, the Committee decided to defer this proposal.

Agenda No. 328 - 17

(File No. 9062/2022)

Proposed Rough stone quarry over an extent of 1.20.0 Ha in S.F.No. 208 (Part 3) of Paravakkal Village, Peranampattu Taluk, Vellore District, Tamil Nadu by Thiru D. Baskaran for Environmental Clearance (SIA/TN/MIN/259887/2022 dated 06.03.2022)

Earlier, this proposal was placed in this 282nd Meeting of SEAC held on 04.06.2022. 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, Thiru D. Baskaran has applied for Environmental Clearance for the proposed Rough stone quarry over an extent of 1.20.0 Ha in S.F.No. 208 (Part 3) of Paravakkal Village, Peranampattu Taluk, Vellore 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. It is Government Poramboke land.

3. As per mining plan, the lease period is 5 years. The mining plan is for 5 years & production should not exceed 1,41,910cu.m. of Rough Stone. The annual peak production 31360 cu.m. of Rough Stone (1st year). The maximum depth of mining would be 50 metres above ground level.
4. Earlier the proposal was placed in 282nd SEAC meeting held on 04.06.2022. Based on the presentation & documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance.
5. Subsequently, the proposal was placed in 527th Authority meeting held on 01.07.2022. The authority after detailed discussion decided to call for the following details from the project proponent.
 - I) Dense vegetation was noted within & around the proposed mining area, hence project proponent shall carryout detailed biodiversity study through competent authority such as Botanical Survey of India etc.
 - II) Does this form significant part of water catchment area, will this proposed project activity affect nearby agriculture & wells. Accordingly, the proponent shall conduct study on impact of proposed mining activity on the nearby agriculture & wells within 1 km radius.
6. Subsequently, based on the reply furnished by the PP through letter dated 18.08.2022, the proposal was again placed in the 557th Authority. After detailed deliberations, authority noted that
 1. The reply regarding the queries raised shall be examined and appraised again in the committee.
 2. As per the draft Notification S.O. 2077(E) of MoEF&CC dated: 04.05.2022, notifies the extent and boundaries of Eco – Sensitive Zone of Koundinya Wildlife Sanctuary in Andhra Pradesh. The Eco-Sensitive Zone is limited to Andhra Pradesh and is not trans versing to Tamil Nadu but the draft states that


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"The Koundinya Wildlife Sanctuary is very unique and is an important corridor for the elephants and lies on their migratory route from Tamil Nadu and Karnataka States up to Seshachalam Hills of Andhra Pradesh and lies to the southernmost part of Andhra Pradesh State flanked by Tamil Nadu & Karnataka States, with 203 species of plants including trees, shrubs & herbs, 25 species of mammals, 103 species of birds, 18 species of amphibians, 18 species of reptiles and more than 396 species of invertebrates."

The proposed site is situated amidst various Reserve Forests and the extension of Koundinya Wildlife Sanctuary's Reserve Forest is in the state of Tamil Nadu. Further, the proposed site may hinder the Elephant's movement, if the site is situated near the Elephant's Corridor.

Hence, the proponent may be requested to obtain the details regarding the Elephant corridor surrounding the proposed mine lease area from the competent Authority.

Also, the proponent has not submitted the DFO letter stating the reserve forest located within the 10Km radius. Hence, the proponent is requested to submit letter obtained from DFO regarding the RF located within 10km Radius from the proposed site.

Further, the proponent shall consider looking for alternate site since the proposed site is situated amidst various Reserve Forest namely Pallalkulam Extension RF at 1.17km, Pallalkulam RF at 1.6km etc., and very important corridor for the Elephants on their migratory route from Tamil Nadu and Karnataka States.

In the view of the above, the authority decided to refer back the proposal to SEAC to examine with the above-mentioned points since the proposed area falls within the sensitive zone of Elephant corridor and furnish the remarks to SEIAA.

Subsequently, the proposal was placed in 328th SEAC meeting held on 11.11.2022. Based on the presentation made by the PP, SEAC noted that the PP submitted that he needed further time to furnish clarifications to the queries raised by SEIAA in its 557th Authority


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meeting. Hence, upon the receipt of above details, SEAC will take up the proposal for further appraisal.

Agenda No: 328-18

(File No: 9236/2022)

Proposed Pandalgudi Lime Kankar Beneficiation Plant Stand Alone Facility at S.F.Nos. Parts of 75/1, 75/2, 76/1, 76/2, 76/3A, 76/3B, 77/1 & 77/2 of Thummakkundu Village, Aruppukottai Taluk, District Virudhunagar, Tamil Nadu by M/s. The Ramco Cements Limited – For Environmental Clearance (SIA/TN/IND/76224/2020, dated 28.04.2022)

The project proposal is earlier placed for appraisal in the 300th meeting of SEAC held on 04.08.2022 and the proponent made presentation on the project. The details of the project furnished by the proponent are available in the PARIVESH web portal (parivesh.nic.in).

The Committee noted that,

1. The Project Proponent, M/s. The Ramco Cements Limited has applied seeking Environmental Clearance for the proposed Pandalgudi Lime Kankar Beneficiation Plant -Stand Alone Facility at S.F.Nos. Parts of 75/1, 75/2, 76/1, 76/2, 76/3A, 76/3B, 77/1 & 77/2 of Thummakkundu Village, Aruppukottai Taluk, District Virudhunagar, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 2(b) "Mineral Beneficiation" of the Schedule to EIA Notification, 2006 as amended.
3. The proposal is for establishing Lime Kankar Beneficiation Plant (Based on both Dry & Wet Process Separation Technology) Stand Alone Facility with Through put Capacity of 2.00 MTPA for producing Clean Kankar -1.150 MTPA (on Dry Basis), Sub Grade Kankar -0.165 MTPA & other Recovery Material [(-)6 mm] -0.539 MTPA .
4. ToR No: IA/TN/IND/167155/2020 dated 18.09.2020 issued by MoEF&CC
5. Public hearing conducted on 12.04.2022.
6. EIA report submitted on 09.05.2022


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

Subsequently the subject was placed in the 545th meeting of Authority held on 26.09.2022. The Authority noted that SEAC has recommended for the issue of Environmental Clearance subject to the conditions stated therein. The Authority, after detailed deliberations, decided to request the Member Secretary, SEIAA TN to refer back the subject to SEAC after the receipt of the following additional particulars from the Proponent:

1. Schematic view of the proposed lime kankar beneficiation process along with stepwise details of the production process.
2. Detailed note on carbon foot print and the carbon capture technology (carbon sequestration) proposed to achieve climate goals.
3. Initiatives undertaken for energy conservation and to harness renewable energy.
4. As the operations are highly water intensive, water conservation measures proposed at every stage shall be detailed.
5. Project proponent to justify that the proposed project activity is a clean production system for sustainable development.
6. Clean technology measures proposed to contain the pollutants.
7. Note on effect of the industrial waste (solid/liquid/gaseous emissions) on the vegetation around.
8. Study on the characteristic features of the liberates.
9. Green transition approach undertaken for clean and more energy-efficient production process.
10. Volatile materials likely to be generated and the containing measures.
11. Possible emission of greenhouse gas and control measures.
12. Temperature rise anticipated due to the project.
13. Impact of the project on agricultural farm lands and other rural livelihood activities.
14. How are kankar returned lands may put to use by public/lenders?

Hence the subject was placed in this 328th meeting of SEAC held on 11.11.2022 and the Proponent made a presentation on the clarifications/ additional particulars sought by the Authority. Based on the documents furnished and the detailed presentation made by the Proponent, the Committee had deliberated and decided to reiterate the recommendations already made in the 300th meeting of SEAC held on 04.08.2022, including all the conditions prescribed therein.

AGENDA ITEM No: 328-19

(File No: 9355/2022)

Proposed Limestone Mining at the existing "Madukkarai Limestone mine (Area: 2.71 ha.) of Production Capacity of 800 TPA of Limestone located at Kurichi village, Coimbatore Taluk and District, Tamil Nadu by M/s. ACC Limited - For Terms of Reference. (SIA/TN/MIN/67845/2021, dated 24.09.2021)

The proposal was earlier placed in the 312th meeting of SEAC held on 16.09.2022. The details of the project furnished by the proponent are available on the web portal (parivesh.nic.in). The project proponent gave a detailed presentation.

The SEAC noted the following:

1. The Proponent, M/s. ACC Limited has applied for Terms of Reference for the Existing "Madukkarai Limestone mine" (Area: 2.71 Ha.) with Limestone Production Capacity of 800 Tonnes per annum located at Kurichi village, Coimbatore Taluk and District.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. The mining lease was first granted on 19.08.1968. Later lease was renewed on 02.04.1990 for 10 Years (1988 to 1998). Subsequently the lease was further renewed for another 20 years in 2010, over an area of 2.71 ha. Commencing from 19.08.1998 for a period of 20 years, it will be extended up to 31.03.2030 as per new MMDR Act.
4. The mining plan is for the period of five years (2018-2023) & production shall not exceed 800 TPA of Limestone.


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Based on the presentation made by the Proponent, SEAC recommended for the grant of **Terms of Reference (TOR) with Public Hearing** subject to the condition states therein.

Subsequently the proposal was placed in the 557th meeting of Authority held on 08.10.2022. The Authority noted that the subject was placed in the 312th meeting of SEAC held on 16.09.2022 and SEAC has furnished its recommendation for the grant of ToR along with Public Hearing for the preparation of EIA study report subject to the conditions stated therein. The Authority, after detailed deliberations decided to refer back the subject to SEAC after the receipt of the following additional particulars from the Proponent:

1. Chronology of the mining leases from the year 1968 to till date shall be provided.
2. KML file reveals high density of habitation within and around the proposed mine lease area. Such a high population density area needs detailed study.
3. Power point presentation does not detail the flora, fauna and other impacts of the proposed mining.
4. RoM approved in the mine plan shall be furnished in the application.

Hence the proposal was placed in this 328th meeting of SEAC held on 11.11.2022. The project proponent was absent for the meeting. SEAC decided to defer the subject to a later date directing the project proponent to furnish the reasons for not attending the meeting.

Agenda Item. No.-328-20

F.No.7857/2022

Proposed Rough stone and gravel quarry lease over an extent of 1.66.0 Ha at S.F.No. 367/2A (Part), Morattupalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu by Tmt.R.Chitra - For Environmental Clearance. (SIA/TN/MIN/56602/2021 dated 27.09.2021)

The proposal was earlier placed in the 303rd meeting of SEAC held on 18.08.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).


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The SEAC noted the following:

1. The project proponent Tmt.R.Chitra has applied seeking Environmental Clearance for the proposed Rough stone and gravel quarry lease over an extent of 1.66.0 Ha at S.F.No. 367/2A (Part), Morattupalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. ToR Lr No.SEIAA-TN/F.No.7857/SEAC/ToR-861/2020 Dated: 12.03.2021.
4. Public hearing report dated: 23.08.2021
5. EIA submitted on 01.10.2021
6. As per mining plan, the production for the five years states that the total quantity of recoverable should not exceed 2,19,325 cu.m of Rough stone and Gravel – 7,980 m³ and to a depth of 42m BGL depth for a period of 5 years.
7. As per the ToR issued, restricted depth of mining is 37m ultimate depth and quantity to be mined is 2,10,680cu.m of Rough stone & 7,980cu.m of Gravel for five years with a bench height of 5m as per the approved mining plan considering the hydrogeological regime of the surrounding area.

Based on the presentation and documents furnished by the Proponent, the SEAC decided to call for the following additional particulars:

1. Certified compliance report for the existing quarry.
2. Revised EMP in the format prescribed by the Committee.

Agenda No: 328-21

(File No: 9357/2022)

Proposed Rough stone and gravel Quarry lease over an extent of 2.02.0 Ha at S.F.No. 482/2C in Munnur Village, Pugalur Taluk, Karur District, Tamilnadu by Tmt.N.Latha - For Terms of Reference. (SIA/TN/MIN/78982/2022 dated 25.06.2022)

Earlier, this proposal was placed in 312th meeting of SEAC held on 16.09.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:


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1. The project proponent, Tmt.Latha has applied for Terms of Reference for the proposed rough stone and gravel quarry lease over an extent of 2.02.0 Ha at S.F.Nos. 482/2C in Munnur Village, Pugalur Taluk, Karur District, Tamilnadu.
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.

Earlier, the proposal was placed for appraisal in the 312th meeting of SEAC held on 16.09.2022. The Committee noted that the Project Proponent has submitted request for withdrawal of this ToR application stating that the project activity falls under B2 category.

Based on the explanation given by the proponent, the committee after detailed deliberations, decided that the PP's request may be considered by SEIAA TN in the light of the clarification given by the PP.

Subsequently, the subject was placed in 557th authority meeting held on 10.10.2022. The authority noted the following:

- i) As per the documents submitted by the proponent, Deputy Director, Karur district has issued the details of quarries situated within 500m radial distance from the proposed project area vide Rc.No.433/Mines/2021, dated: 12.05.2022 which states the details of quarries as follows:

I. Existing quarries: -

Sl.No	Name of the Owner	S.F.No	Extent (hect)	Lease period	Remarks
1	R.Natarajan, S/o Ramasamygounder, VettamangalamMelpagam Village, Ganapathipalayam, Manmangalam Taluk, Karur District.	481/1 Part 481/2 Part	0.28.5 1.32.5 1.61.0	23.6.2017 to 22.6.2022	---

II. Proposed area: -

Sl.No	Name of the Owner	S.F.No	Extent (hect)	Lease period	Remarks
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1	Tmt.N.Latha, W/o. Natarajan, Door No.6/67A, GanapathypalayamVettamangalam West cross Street, Pugalur Taluk, Karur District.	482/2C (Part)	2.02.0	Proposed area
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III. Lease Expired and abandoned Quarries: -

Sl.No	Name of the Owner	S.F.No	Extent (hect)	Lease period	Remarks
1	K.Periyasamy Salipalayam Aravakurichi, Karur.	478/A 484/3A 485/3B	3.28.5 0.48.0 1.21.5	10.03.2010 to 09.03.2015	---
2	Thiru.P.Senthilkumar S/o.Periyasamy (late) MajaraSalipalayam Kuppuchipalayam Village Aravakurichi Taluk Karur District.	478/A (P) 478/B1 (P)	1.84.0 0.70.0 2.54.0	14.07.2016 to 1307.2021	---

ii) The MOEF Notification No: S.O. 2269(E), dated. 01.07.2016 states that...

"....A cluster shall be formed when the distance between the peripheries of one lease is less than 500 meters from the periphery of other lease in a homogeneous mineral area which shall be applicable to the mine leases or quarry licenses granted on and after 9th September, 2013.";

The leases not operative for three years or more and leases which have got environmental clearance as on 15th January, 2016 shall not be counted for calculating the area of cluster, but shall be included in the Environment Management Plan and the Regional Environmental Management Plan....."

iii) Only those leases which are non-operative for 3 years and which have got EC as on 15.01.2016 shall not be considered while calculating cluster. Hence, in the current proposal the quarries of R.Natarajan (1.61Ha), Tmt.N.Latha (2.02Ha) and Thiru.P.Senthilkumar (2.54 Ha) should be taken into account while calculating the cluster. Therefore, the total extent of quarries within 500m radial distance when


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calculated based on the above mentioned MOEF notification and 500m cluster letter issued by the Deputy Director of Dept of G&M totals to 6.17ha. Hence, the request of the proponent to appraise the project under 'B2' category is not as per the rules in force.

In view of these, the authority decided to **refer back** the proposal to SEAC for re-appraisal/ seeking clarifications on the above said points.

In view of this, the subject was again placed in 328th SEAC meeting held on 11.11.2022.

The proponent gave the following explanation:

" Existing quarry - 1 No

In the 500 m Radius Letter issued clearly states that there is an existing quarry within the 500 m radius in name of Thiru. R. Natarajan over an extent of 1.61.0 ha (Lease Period - 23.06.2017 to 22.06.2022) - it shall be taken into cluster calculation based on application date even though the lease has expired as on date.

Expired and abandoned quarry-2 No

Next, Lease Expired and Abandoned Quarries in name of Thiru. K.Periyasamy over an extent 1.21.5 ha (Lease Period 10.03.2010 to 09.03.2015) - granted lease before 9th September 2013 and Thiru. P. Senthilkumar over an extent of 2.54.0 ha (Lease Period 14.07.2016 to 13.07.2021) will not be considered as its lease expired and abandoned - which implies the lease is expired / no further resources to mine so its abandoned - which will not be considered.

Now, only this proposed quarried i.e., this application of 2.02.0 ha and existing quarry of Thiru. R. Natarajan over an extent of 1.61.0 ha shall be considered for cluster calculation, which comes to total of 3.63.0 ha and is below 5 hectares and falls under B2 Category.

Also, for kind consideration and record that there is no provision for renewal of the lease expired quarry and it shall be applied afresh as a new lease and at that point of time the applicant's 500 m letter obtained from the competent authority shall decide the nature of proposal whether it is to be treated as B1 or B2."


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Based on the documents furnished and the detailed presentation made by the Proponent, the Committee had deliberated on the replies furnished by the PP and decided to reiterate the recommendations already made in the 312th meeting of SEAC held on 16.09.2022.

Agenda No: 328-22

(File No: 9358/2022)

Proposed Rough stone & gravel quarry lease over an extent of 2.05.0Ha at S.F.No. 1066/1(P) of Thennilai (East) Village, Pugalur Taluk, Karur District, Tamil Nadu by Tmt.L.Kamalam - For Terms of Reference.(SIA/TN/MIN/78993/2022 Dt.27.06.2022)

The proposal was placed in 312th SEAC meeting held on 16.09.2022. The details of the minutes are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tmt.L.Kamalam has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 2.05.0Ha at S.F.No.1066/1 (P) of Thennilai (East) Village, Pugalur Taluk, Karur 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.

The subject was placed in 557th Authority meeting dated 08.10.22. The authority noted that the subject was appraised in 312th SEAC meeting held on 16.09.2022. The Committee noted that the Project Proponent has submitted request for withdrawal of this ToR application stating that the project activity falls under B2 category. Based on the clarifications submitted by the PP, the SEAC decided that that the PP's request may be considered by SEIAA TN.

The authority noted the following:

- i) As per the documents submitted by the proponent, Deputy Director, Karur district has issued the details of quarries situated within 500m radial distance from the proposed project area vide Rc.No.370/Mines/2021, dated:17.05.2022 which states the details of quarries as follows:

1. Existing quarries: -


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Sl.No	Name of the Owner	S.F.No	Extent (hect)	Lease period	Remarks
1	Tvl.Karur Blue Metals SF.No 1055/3,4,5, Kalimedu Ammapatti, Thennilai East Village. Aravakurichi Taluk Karur district.	1055/4 1055/5	1.75.0	16.08.2017 to 15.08.2022	No permit has been taken since date of lease execution.

II. Proposed area: -

Sl.No	Name of the Owner	S.F.No	Extent (hect)	Lease period	Remarks
1	Tvl.Vel Blue Metals, S.F.No.484,485A, K.paranathi(Post) Karur District.	484, 485	1.82.0	Applied area	
2.	Tmt. L.Kamalam W/o. Loganathan Door.No. 4/60, Lalitha Garden Ranganathapuram, Nedungur Pugalur Taluk, Karur District.	1066/1(P art)	2.05.0	Proposed area	

III. Lease Expired and abandoned Quarries: -

Sl.No	Name of the Owner	S.F.No	Extent (hect)	Lease period	Remarks
1	R.Manoharan S/o P.Rengasamy Kuppam post Aravakurichi Taluk. Karur District.	1063/2	1.31.0	16.08.2016 to 15.08.2021	No permit has been taken since date of lease execution
2	Amman Arul Crusher No.5/41-2 Nallipalayam K.paranathi village Aravakurichi Taluk Karur district.	1064(P) 1065/1A 1065/1B 1066/2	2.58.0	29.11.2016 to 28.11.2021	----

3	New senthil Blue Metals, Kalimedu, Kattumunnur post, Aravakurichi Taluk, Karur.	486/B	1.70.5	10.03.2007 to 09.03.2012	---
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ii) The MOEF Notification No: S.O. 2269(E), dated. 01.07.2016 states that...

"....A cluster shall be formed when the distance between the peripheries of one lease is less than 500 meters from the periphery of other lease in a homogeneous mineral area which shall be applicable to the mine leases or quarry licenses granted on and after 9th September, 2013.";

The leases not operative for three years or more and leases which have got environmental clearance as on 15th January, 2016 shall not be counted for calculating the area of cluster, but shall be included in the Environment Management Plan and the Regional Environmental Management Plan....."

iii) Only those leases which are non-operative for 3 years and which have got EC as on 15.01.2016 shall not be considered while calculating cluster. In the current proposal, the total extent of quarries within 500m radial distance when calculated based on the above mentioned MoEF notification and 500m cluster letter issued by the Deputy Director of Dept of G&M totals to **9.51ha** (1.75ha+1.82ha+2.05ha+1.31+2.58ha).

In view of these, the authority decided to referred back the proposal to SEAC for re-appraisal/ seeking clarifications on the above said points.

Now the proposal was placed in 328th SEAC meeting held on 11.11.2022. The PP has replied the above shortcomings observed by SEIAA.

Existing quarry – 1 No

In the 500 m Radius Letter issued clearly states that there is an existing quarry within the 500 m radius in name of Tvl. Karur Blue Metals over an extent of 1.75.0 ha and the lessee has not taken any permit since the date of execution of lease (Lease Period – 16.08.2017 to 15.08.2022) therefore it shall not be counted for cluster calculation.

Expired and abandoned quarry – 2 Nos


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Lease Expired and Abandoned Quarries in name of R. Manoharan over an extent of 1.31.0 ha (16.08.2016 to 15.08.2021) and has not taken any permit since date of execution - will not be taken into cluster calculation as the lease is expired and the lessee has not operated the mine and secondly Amman Arul Crusher over an extent of 2.58.0 ha (29.11.2016 to 28.11.2021) – will not be considered as its lease expired and abandoned – which implies the lease is expired / no further resources to mine so its abandoned – which will not be considered and thirdly, New Senthil Blue Metals over an extent of 1.70.5 ha (10.03.2007 to 09.03.2012) – will not be considered as the lease is granted before 9th September 2013.

Now, only two proposed quarried i.e., this application of 2.05.0 ha and another in name of Tvl. Vel Blue Metals over an extent of 1.82.0 ha which comes to total of 3.87.0 ha and is below 5 hectares and falls under B2 Category.

Also, for kind consideration and record that there is no provision for renewal of the lease expired quarry and it has to be applied afresh as a new lease and at that point of time that applicant 500 m letter shall decide his requirement as B1 or B2. Based on the presentation made by the proponent, **SEAC decided to recommend the request made by the PP for withdrawal of this ToR application which may be considered by SEIAA.**

Agenda No: 328 -23
(File No: 9382/2022)

Proposed Rough stone and Gravel Quarry lease over an extent of 2.70.0 Ha at S.F.Nos. 471/1 of Melur/ Chockkalingapuram Village, Melur Taluk, Madurai District, Tamil Nadu by Thiru. G. Karuppanan- For Terms of Reference.
(SIA/TN/MIN/79614/2022 Dt.07.07.2022)

The proposal was placed in 312th SEAC meeting held on 16.09.2022. 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. G. Karuppanan has applied for Terms of Reference for the Proposed Rough stone and Gravel Quarry lease over an extent of 2.70.0 Ha at S.F.Nos. 471/1 of Melur/ Chockkalingapuram Village, Melur Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects"


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of the Schedule to the EIA Notification, 2006.

3. The lease period is 10 years and the mining for the entire period of five years should not exceed 3,28,975cu.m. of Rough Stone. The annual peak production is 73,500cu.m. of Rough Stone (1st year). The ultimate depth of mining is 20m (5m – AGL + 15m BGL).
4. Earlier the proposal was placed in 312th SEAC meeting held on 16.09.2022. Based on the presentation made by the proponent SEAC recommended grant of Terms of Reference (TOR) with Public Hearing.
5. Subsequently, the proposal was placed in 557th SEIAA meeting held on 08.10.2022. The Authority after detailed deliberation, noted that

1. The proposed site is abutting a huge lake/pond/tank as ascertained from the KML uploaded by the proponent in the online through Parivesh portal.

As per the Lr.No. **CPCB/IPC-II/NGT-OA 304 of 2019/2020 Dated: 12.05.2020** stated that

"In compliance of Hon'ble NGT order dt: - 28.02.2020 in OA No.304/2019, CPCB has examined the matter and prepared a report on **Distance Criteria for permitting Stone Quarrying**, which is enclosed for consideration and adoption by SPCB in consent mechanism".

In view of available information, following minimum distance criteria may be considered for permitting stone quarrying by SPCBs:

Mining Type		Minimum Distance	Locations
A.	When Blasting is not involved	100 m	Residential/Public buildings, Inhabited sites, protected monuments, Heritage sites, National /State Highway, District roads, public roads, Railway line/area, Ropeway or Ropeway trestle or station,
B.	When Blasting is involved	200 m **	


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			Bridges, Dams, Reservoirs, River, Canals, Lakes or Tanks, or any other locations to be considered by states.
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****Note:** *The regulations for danger zone (500 m) prescribed by Directorate General of Mines Safety also have to be complied compulsorily and necessary measures should be taken to minimise the impact on environment.*

However, if any state is already having stringent criteria than the above for minor mineral mining (i.e., more prescribed distances than the above), the same shall be applicable.

Since the mining activity involves blasting, as per the above direction minimum distance from the "***Reservoirs, River, Canals, Lakes or Tanks***" must be 200m when blasting is involved.


Hence, the proposal may be examined considering the above cited guidelines issued by CPCB in compliance with the NGT order.

2. Further, the proposed activity may lead to Sedimentation and erosion and which in turn will lead to the reduction in the carrying capacity of the water body. Also, the nearby agricultural activities may in turn suffer if the tank is breached.
3. Hence, the proponent shall look out for alternate site.

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.

Subsequently, the proposal was again placed in the 328th SEAC meeting held on 11.11.2022. Based on the reply furnished by the PP, SEAC decided to reiterate its recommendation already made in the 312th SEAC meeting.

Agenda No: 328-24
(File No: 371/2018)


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Environmental Clearance issued under violation notification for the Construction of additional buildings for engineering college, hostel and bank in its existing campus by lvVs. KGISL Trust at S.F. Nos. 353/1, 2,35411' 35613A' 3 57 1 IDPt, 3 5812A, 2C, 2D, 359 11 A, 18, 360/1 C, 1 DPt, 36 1/3A, 3621 19 Pt, IC, 2A, 28,)6311P., 2, 3, 365/1A,2, 366ttA, 1A1A2, 36611A2, 1B & 37212 Of Saravanampatti Village, Coimbatore North Taluk, Coimbatore District' Tamil Nadu – Recommendations for bank guarantee - reg

The proposal was again placed for appraisal in 328th meeting of SEAC held on 11.11.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). During the meeting the PP has not attend the meeting hence SEAC decided to defer the proposal.

Agenda No: 328- TA-1

(File No: 8841/2021)

Amendment in the Environmental Clearance issued to the Proposed rough stone, jelly and gravel quarry lease area over an extent of 0.65.5 Ha at S.F. No. 438 Melamadai Village, Sattur Taluk, Virudhunagar District, Tamil Nadu by Thiru. A. Sabapathy- For Amendment in Environmental Clearance. (SIA/TN/MIN/291835/2022 Dt. 16.9.2022)

The proposal was again placed for appraisal in 328th meeting of SEAC held on 11.11.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

1. The project proponent, Thiru. A. Sabapathy has applied for Environmental Clearance for the proposed rough stone and gravel quarry lease area over an extent of 0.65.5 Ha at S.F. No. 438, Melamadai Village, Sattur Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 year. The production as per mining plan for 5 years not to exceed -- 50690m³ of rough stone & 14685 m³ of gravel. The Annual peak production as per mining plan is 14550 m³ Rough stone (5th year) & 4125 m³ gravel (1st, 2nd & 3rd year respectively) with ultimate depth of 25m BGL.


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4. The EC has issued vide Lr No. SEIAA-TN/F.No. 8841/EC.No.5212/2022 DT. 22.8.2022.
5. Now, the Project Proponent, has applied for Amendment on the EC issued vide Lr No. SEIAA-TN/F.No. 8841/EC.No.5212/2022 DT. 22.8.2022.
6. Based on the documents furnished by the project proponent, SEAC decided to recommend for the grant of following amendment

Lr No. SEIAA-TN/F.No. 8841/EC.No.5212/2022 DT. 22.8.2022	Amendment Recommended				
<p>1. As accepted by the Project proponent the revised CER cost is Rs. 2 lakh and the amount shall be spent for the following activities before obtaining CTO from TNPCB.</p>	<p>1. As accepted by the Project proponent the revised CER cost is Rs. 2 lakh and the amount shall be spent for the following activities before obtaining CTO from TNPCB.</p>				
<table><tr><th>Govt Hr. Sec School. Karungal</th></tr><tr><td><p>1. Renovation to school toilets with running water.</p><p>2. Improvements to school infrastructure in consultation with HM.</p><p>3. Books to school library including books on environment.</p><p>4. Planting of trees in and around the school (As per Appendix-I).</p></td></tr></table>	Govt Hr. Sec School. Karungal	<p>1. Renovation to school toilets with running water.</p> <p>2. Improvements to school infrastructure in consultation with HM.</p> <p>3. Books to school library including books on environment.</p> <p>4. Planting of trees in and around the school (As per Appendix-I).</p>	<table><tr><th>Govt Hr. Sec School. Nathatupatti</th></tr><tr><td><p>1. Provision of Bore well , R.O Drinking water facilities .</p><p>2. Camara for School campus</p><p>3. Rack for library with Books</p><p>4. Planting of trees in and around the school (As per Appendix-I).</p></td></tr></table>	Govt Hr. Sec School. Nathatupatti	<p>1. Provision of Bore well , R.O Drinking water facilities .</p> <p>2. Camara for School campus</p> <p>3. Rack for library with Books</p> <p>4. Planting of trees in and around the school (As per Appendix-I).</p>
Govt Hr. Sec School. Karungal					
<p>1. Renovation to school toilets with running water.</p> <p>2. Improvements to school infrastructure in consultation with HM.</p> <p>3. Books to school library including books on environment.</p> <p>4. Planting of trees in and around the school (As per Appendix-I).</p>					
Govt Hr. Sec School. Nathatupatti					
<p>1. Provision of Bore well , R.O Drinking water facilities .</p> <p>2. Camara for School campus</p> <p>3. Rack for library with Books</p> <p>4. Planting of trees in and around the school (As per Appendix-I).</p>					

Agenda No: 328 -TA2

(File No:9227/2022)

Amendment of Terms of Reference issued for the proposed Rough stone & Gravel quarry lease over an extent of 4.42.0 Ha at S.F.No. 58/1A, 58/1B, 58/2A, 58/2B, 58/3, 58/6, 58/7, 58/8A, 58/8B, 59/2A, 61/1B, 61/2A, 61/2B, 61/3, 61/4A, 61/5A and 61/6, Kaganam Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu by Thiru R. Kathirvelu- (SIA/TN/MIN/293817/2022 Dt.08.11.2022)

The proposal was again placed for appraisal in 328th meeting of SEAC held on 11.11.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:


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1. The Project Proponent, Thiru R. Kathirvelu has applied for Terms of References for the proposed Rough stone & Gravel quarry lease over an extent of 4.42.0 Ha at S.F.No. 58/1A, 58/1B, 58/2A, 58/2B, 58/3, 58/6, 58/7, 58/8A, 58/8B, 59/2A, 61/1B, 61/2A, 61/2B, 61/3, 61/4A, 61/5A and 61/6, Kaganam Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" – EIA with Public Hearing of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The ToR for carrying out the EIA study with public hearing was issued vide SEIAA Lr. No.SEIAA-TN/F.No.9227/SEAC/ToR-1195/2022 Dated :14.07.2022 was issued inadvertently for Rough stone & Gravel quarry lease over an extent of 2.02.5 Ha instead of 4.42.0 Ha'.
4. Now, the Project Proponent, Thiru R. Kathirvelu has applied for Amendment of Terms of References issued vide SEIAA Lr.No.SEIAA-TN/F.No.9227/SEAC/ToR-1195/2022 Dated:14.07.2022 for the proposed Rough stone & Gravel quarry lease over an extent of 4.42.0 Ha at S.F. No. 58/1A, 58/1B, 58/2A, 58/2B, 58/3, 58/6, 58/7, 58/8A, 58/8B, 59/2A, 61/1B, 61/2A, 61/2B, 61/3, 61/4A, 61/5A and 61/6, Kaganam Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu vide online proposal No. SIA/TN/MIN/293817/2022 Dt.08.11.2022 received this office Lr. Dt: 10.11.2022 for Rough stone & Gravel quarry lease over an extent of 4.42.0 Ha.

Based on the documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Amendment of Terms of References Dt:14.07.2022 for the proposed Rough stone & Gravel quarry lease over an extent of 4.42.0 Ha instead of 2.02.05 Ha subject to all the conditions /ToRs stipulated remains unaltered issued vide SEIAA Lr. No.SEIAA-TN/F.No.9227/SEAC/ToR-1195/2022 Dated :14.07.2022.


Agenda No: 328 -TA 03

(File No: 8445)

Proposed Rough stone quarry lease over an extent of 1.40.0 ha at S.F.No 22/4 ,Marapparai Village, Tiruchengode Taluk, Namakkal District Tamil Nadu by Tmt. B.Mekala – for Environmental Clearance


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The subject was earlier placed in the 270th meeting of SEAC held on 06.05.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

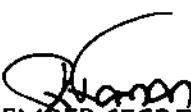
The SEAC noted the following:

1. The Project proponent Tmt. B.Mekala has applied seeking Environmental Clearance for proposed Rough stone quarry lease over an extent of 1.40.0 ha at S.F.No 22/4, Marapparai Village, Tiruchengode Taluk, Namakkal 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, as amended.
3. As per the Mining plan, the lease period is for 5 years. The production for 5 years not to exceed – 86,650m³ of Rough stone with an ultimate depth of mining is 46m (1m top soil + 45m Rough stone). The annual peak production as per mining plan is 17840cu.m of Rough stone.
4. ToR issued vide – Lr No. SEIAA-TN.F.No. 8445/SEAC/ToR-999/2021 Dated 28.07.2021
5. Public hearing was conducted on Dated 21.10.2021

Based on the presentation and the documents furnished by the project proponent, SEAC decided to conduct an on-the-spot site-inspection by the sub-committee members to verify the facts. On receipt of the inspection report, the committee would further deliberate will be done.

The sub-committee inspected the project site and submitted its inspection report to the Committee during 314th meeting of SEAC held on 23.09.2022. Based on the inspection report and documents furnished by the Proponent, the SEAC furnished its recommendation for the grant of Environmental Clearance subject to the conditions stated therein.

Subsequently the subject was placed in the 560th meeting of Authority meeting held on 17.10.2022. The Authority, after detailed discussions, decided to refer back the


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proposal to SEAC after the receipt of following additional particulars from the project proponent:

- i) The sub-committee in its inspection report has reported presence of structures (shed) at a distance of 160m North West and at distance of 220m North and nearest house is located at a distance of 170m South West.. Hence the proponent shall furnish copy of permission obtained from Director Mines Safety, Dept. of Geology & Mining, Tamil Nadu for in regard to rough stone quarry proposed within 300m radius from the inhabited sites and physical structures and for method of mining (blasting technique) as per Rule 36 (1-A) (a) of TNMMCR,1959.
- ii) The proponent shall furnish photographs of erected barbed wire fencing around the proposed mining site.
- iii) SEAC remarks & recommendation on the Certified Compliance Report (CCR) & CER activities proposed by the project proponent.
- iv) Details of Cluster Management Committee proposed and its Environmental Policy to practice sustainable mining & EMP for effective implementation of including Green Belt Development, Water sprinkling, blasting plan & its frequency by the member units of the cluster, usage of haul roads, risk management plan with safety measures to avoid untoward accidents, Emergency management/evacuation plan during natural disaster/calamities, Health of workers/ the public nearby etc.,

In view of the above, the Committee took up the subject for reappraisal in the 328th meeting of SEAC held on 11.11.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to reiterate the recommendations already made in the 314th meeting of SEAC held on 23.09.2022 subject to the following additional conditions:


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- i) SEAC noted that this is an existing quarry, as per Rule 36 (1-A) (a) of TNMMCR, 1959, the project proponent shall obtain prior permission from Regional Inspector of *Directorate General of Mines Safety, Chennai* before obtaining CTO from TNPCB in regard to Buildings (or) Permanent structures present within 300m radius of the proposed mining area.
- ii) No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry without prior permission obtained from the Director of Mines Safety, Chennai Region.
- iii) 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 before obtaining the CTO from TNPCB.
- iv) The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO from the TNPCB.
- v) The proponent shall create a separate bank account and shall deposit the cost allocated for the committed EMP activities every year and the said expenditure details spent on the committed EMP activities shall be maintained & periodically submitted to TNPCB.

Agenda No: 328 -TA 04

(File No: 8312)

Proposed Rough stone and Gravel quarry lease over an extent of 2.02.3 ha at S.F.No 176/1A, 176/5A, 176/6A & 316/2B2 ,Marapparai Village, Tiruchengode Taluk, Namakkal District Tamil Nadu by Thiru. S.Rangasamy – for Environmental Clearance

The subject was earlier placed in the 270th meeting of SEAC held on 06.05.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The Project proponent Thiru. S.Rangasamy has applied seeking Environmental


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Clearance for proposed Rough stone & Gravel quarry lease over an extent of 2.02.3 ha at S.F.No 176/1A, 176/5A, 176/6A & 316/2B2, Marapparai Village, Tiruchengode Taluk, Namakkal 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, as amended.
3. ToR issued vide Lr.No. SEIAA-TN/F.No.8312/SEAC/ToR-962/2021 Dated 30.04.2021
4. Public hearing was conducted on Dated 21.10.2021
5. As per the Mining plan, the lease period is for 5 years. The production for 5 years not to exceed – 72,370m³ of Rough stone and 8,050m³ of Gravel. The annual peak production as per mining plan is 1,6590m³ of Rough stone (1st year) & 2754 m³ of Gravel (3rd year) with ultimate depth of 42m BGL.
6. The PP was issued with ToR vide Lr.No. SEIAA-TN/F.No.8312/SEAC/ToR-962/2021 Dated 30.04.2021 restricting the depth of mining to ultimate depth of 37m and quantity of 70,750 m³ of Rough stone & 8,050m³ of Gravel for a period of five years with a bench height of 5m as per the approved mining plan considering the environmental impacts due to mining and following the principle of sustainable mining.

Based on the presentation and the documents furnished by the project proponent, SEAC decided to conduct an on-the-spot site-inspection by the sub-committee members to verify the facts. On receipt of the inspection report, the committee would further deliberate will be done.

The sub-committee inspected the project site and submitted its inspection report to the Committee during 314th meeting of SEAC held on 23.09.2022. Based on the inspection report and documents furnished by the Proponent, the SEAC furnished its recommendation for the grant of Environmental Clearance subject to the conditions stated therein.

Subsequently the subject was placed in the 560th meeting of Authority meeting held on 17.10.2022. The Authority, after detailed discussions, decided to refer back the proposal to SEAC after the receipt of following additional particulars from the project proponent:

- i) The sub-committee in its inspection report has reported presence of Farm houses at a distance of 170m, 200m and 230m North and a shed at about 250m North East of the project site. Hence the proponent shall furnish copy of permission obtained from Director Mines Safety, Dept. of Geology & Mining, Tamil Nadu for in regard to rough stone quarry proposed within 300m


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radius from the aforesaid physical structures and for method of mining (blasting technique) as per Rule 36 (1-A) (a) of TNMMCR,1959.

- ii) The proponent shall furnish photographs of erected barbed wire fencing around the proposed mining site.
- iii) SEAC remarks & recommendation on the Certified Compliance Report (CCR) & CER activities proposed by the project proponent.
- iv) Details of Cluster Management Committee proposed and its Environmental Policy to practice sustainable mining & EMP for effective implementation of including Green Belt Development, Water sprinkling, blasting plan & its frequency by the member units of the cluster, usage of haul roads, risk management plan with safety measures to avoid untoward accidents, Emergency management/evacuation plan during natural disaster/calamities, Health of workers/ the public nearby etc.,

In view of the above, the Committee took up the subject for reappraisal in the 328th meeting of SEAC held on 11.11.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to reiterate the recommendations already made in the 314th meeting of SEAC held on 23.09.2022 subject to the following additional conditions:

- i) SEAC noted that this is an existing quarry, as per Rule 36 (1-A) (a) of TNMMCR,1959, the project proponent shall obtain prior permission from Regional Inspector of *Directorate General of Mines Safety, Chennai* before obtaining CTO from TNPCB in regard to Buildings (or) Permanent structures present within 300m radius of the proposed mining area.
- ii) No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry without prior permission obtained from the Director of Mines Safety, Chennai Region.
- iii) 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 before obtaining the CTO from TNPCB.

- iv) The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO from the TNPCB.
- v) The proponent shall create a separate bank account and shall deposit the cost allocated for the committed EMP activities every year and the said expenditure details spent on the committed EMP activities shall be maintained & periodically submitted to TNPCB.

Agenda No: 328 -TA 05

(File No: 8179)

Proposed Rough stone quarry lease over an extent of 0.90.25 Ha at S.F.Nos 176/2, 176/3 (P) & 176/11 (P), Marapparai Village, Tiruchengode Taluk, Namakkal District Tamil Nadu by Thiru. M. Krishnan – for Environmental Clearance

The subject was earlier placed in the 267th meeting of SEAC held on 28.04.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The Project proponent Thiru. M. Krishnan has applied for the Environmental Clearance for proposed Rough stone quarry lease over an extent of 0.90.25 Ha at S.F.Nos 176/2, 176/3 (P) & 176/11 (P), Marapparai Village, Tiruchengode Taluk, Namakkal 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, as amended.
3. As per the Mining plan, the lease period is for 5 years. The production for 5 years not to exceed 1,06,675m³ of Rough stone and 3,102 m³ of Gravel with an ultimate depth of mining is 32m (2m Gravel + 30m Rough stone) below ground level. The annual peak production as per mining plan is 22,870m³ of Rough stone and 1,222m³ of Gravel.


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4. ToR issued vide – Lr No. SEIAA-TN.F.No. 8445/SEAC/ToR-999/2021 Dated 28.07.2021. Public hearing was conducted on Dated 21.10.2021

Based on the presentation and the documents furnished by the project proponent, SEAC decided to conduct an on-the-spot site-inspection by the sub-committee members to verify the facts. On receipt of the inspection report, the committee would further deliberate will be done.

The sub-committee inspected the project site and submitted its inspection report to the Committee during 314th meeting of SEAC held on 23.09.2022. Based on the inspection report and documents furnished by the Proponent, the SEAC furnished its recommendation for the grant of Environmental Clearance subject to the conditions stated therein.


Subsequently the subject was placed in the 560th meeting of Authority meeting held on 17.10.2022. The Authority, after detailed discussions, decided to refer back the proposal to SEAC after the receipt of following additional particulars from the project proponent:

- i) The sub-committee in its inspection report has reported presence of Labour Shed 20m South (belongs to owner), Crusher – 20m (belongs to owner), Poultry farm 220m South West, Farm house – 230m South West of the project site. Hence the proponent shall furnish copy of permission obtained from Director Mines Safety, Dept. of Geology & Mining, Tamil Nadu for in regard to rough stone quarry proposed within 300m radius from the aforesaid physical structures and for method of mining (blasting technique) as per Rule 36 (1-A) (a) of TNMMCR,1959.
- ii) The proponent shall furnish photographs of erected barbed wire fencing around the proposed mining site.

iii) SEAC-remarks & recommendation on the Certified Compliance Report


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(CCR) & CER activities proposed by the project proponent.

- iv) Details of Cluster Management Committee proposed and its Environmental Policy to practice sustainable mining & EMP for effective implementation of including Green Belt Development, Water sprinkling, blasting plan & its frequency by the member units of the cluster, usage of haul roads, risk management plan with safety measures to avoid untoward accidents, Emergency management/evacuation plan during natural disaster/calamities, Health of workers/ the public nearby etc.,

In view of the above, the Committee took up the subject for reappraisal in the 328th meeting of SEAC held on 11.11.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to reiterate the recommendations already made in the 314th meeting of SEAC held on 23.09.2022 subject to the following additional conditions:

- i) SEAC noted that this is an existing quarry, as per Rule 36 (1-A) (a) of TNMMCR,1959, the project proponent shall obtain prior permission from Regional Inspector of *Directorate General of Mines Safety, Chennai* before obtaining CTO from TNPCB in regard to Buildings (or) Permanent structures present within 300m radius of the proposed mining area.
- ii) No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry without prior permission obtained from the Director of Mines Safety, Chennai Region.
- iii) 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 before obtaining the CTO from TNPCB.
- iv) The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations


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in the proposed quarry from the DMS, Chennai before obtaining the CTO from the TNPCB.

- v) The proponent shall create a separate bank account and shall deposit the cost allocated for the committed EMP activities every year and the said expenditure details spent on the committed EMP activities shall be maintained & periodically submitted to TNPCB.

Agenda No: 328 -TA 06

(File No: 7773)

Proposed Rough stone and Gravel quarry lease over an extent of 1.00.0 ha at S.F.Nos 20/2B (Part) and 21/5C (part) Marapparai Village, Tiruchengode Taluk, Namakkal District Tamil Nadu by Thiru. R. Paramasivam – for Environmental Clearance

The subject was earlier placed in the 269th meeting of SEAC held on 05.05.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The Project proponent Thiru. R. Paramasivam has applied for the Environmental Clearance for proposed Rough stone and Gravel quarry lease over an extent of 1.00.0 ha at S.F.Nos 20/2B (Part) and 21/5C (part) Marapparai Village, Tiruchengode Taluk, Namakkal 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, as amended.
3. As per the Mining plan, the lease period is for 5 years. The production for 5 years not to exceed – 115582m³ of Rough stone and 10048m³ of Gravel. The annual peak production as per mining plan is 28785m³ of Rough stone (2nd year) & 10,048m³ of Gravel (1st year) with ultimate depth of 47m
4. The PP was issued with ToR vide Lr. No. SEIAA-TN/F.No.7773/SEAC/ToR-811/2020 Dt. 9.11.2020 with restricting the depth of mining to ultimate depth of 42m and quantity of 1,15,372m³ of Rough stone & 10,048m³ of Gravel for a period of five years with a bench height of 5m as per the approved mining


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plan considering the hydro geological regime of the surrounding area

Based on the presentation and the documents furnished by the project proponent, SEAC decided to conduct an on-the-spot site-inspection by the sub-committee members to verify the facts. On receipt of the inspection report, the committee would further deliberate will be done.

The sub-committee inspected the project site and submitted its inspection report to the Committee during 314th meeting of SEAC held on 23.09.2022. Based on the inspection report and documents furnished by the Proponent, the SEAC furnished its recommendation for the grant of Environmental Clearance subject to the conditions stated therein.

Subsequently the subject was placed in the 560th meeting of Authority meeting held on 17.10.2022. The Authority, after detailed discussions, decided to refer back the proposal to SEAC after the receipt of following additional particulars from the project proponent:

- v) To furnish copy of permission obtained from Director Mines Safety, Dept. of Geology & Mining, Tamil Nadu in regard to proposed existing rough stone quarry lie within 300m radius from the inhabited sites and for method of mining (blasting technique) as per Rule 36 (1-A) (a) of TNMMCR,1959.
- vi) The proponent shall furnish photographs of erected barbed wire fencing around the proposed mining site.
- vii) SEAC remarks & recommendation on the Certified Compliance Report (CCR) Dt:29.06.2022 & CER activities proposed by the project proponent.
- viii) Details of Cluster Management Committee proposed and its Environmental Policy to practice sustainable mining & EMP for effective implementation of including Green Belt Development, Water sprinkling, blasting plan & its frequency by the member units of the cluster, usage of haul roads, risk management plan with safety measures to avoid


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untoward accidents, Emergency management/evacuation plan during natural disaster/calamities, Health of workers/ the public nearby etc.,

In view of the above, the Committee took up the subject for reappraisal in the 328th meeting of SEAC held on 11.11.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to reiterate the recommendations already made in the 314th meeting of SEAC held on 23.09.2022 subject to the following additional conditions:

- i) SEAC noted that this is an existing quarry, as per Rule 36 (1-A) (a) of TNMMCR, 1959, the project proponent shall obtain prior permission from Regional Inspector of *Directorate General of Mines Safety, Chennai* before obtaining CTO from TNPCB in regard to Buildings (or) Permanent structures present within 300m radius of the proposed mining area.
- ii) No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry without prior permission obtained from the Director of Mines Safety, Chennai Region.
- iii) 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 before obtaining the CTO from TNPCB.
- iv) The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO from the TNPCB.
- v) The proponent shall create a separate bank account and shall deposit the cost allocated for the committed EMP activities every year and the said expenditure details spent on the committed EMP activities shall be maintained & periodically submitted to TNPCB.


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ANNEXURE-I

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>Aegle marmelos</i>	Vilvam	விலவம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia lebbeck</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentos</i>	Iruvathi	இருவத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சர்க்கொண்டை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொண்டை
15	<i>Chloroxylon swietenia</i>	Purasamaram	புரச மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூளி
18	<i>Creteva adansoni</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kalitchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றாப்புவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
27	<i>Lannea coromandelica</i>	Odhiyam	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்லா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manikara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழமரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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

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