

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 295th Meeting of the State Expert Appraisal Committee (SEAC) held on 15th July 2022 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 295-01

(File No: 8250/2021)

Proposed Rough stone and Gravel quarry project over an extent of 1.62.0 Ha in S.F.Nos. 387/1B1 at Morattupalayam Village , Uthukuli Taluk, Tiruppur District, Tamil Nadu by Thiru. S.Raju (legal heir –Thiru.R.Vinu)- For Environmental Clearance. (SIA/TN/MIN/59973/2021 dated: 27.09.2021)

The project proposal was placed in the 295th SEAC meeting held on 15.7.2022. 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. S.Raju has applied for Environmental Clearance for the proposed Rough stone & gravel quarry lease over an extent of 1.62.0ha at S.F.Nos. 387/1B1 of Morattupalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the the lease period is for 5 years and the total quantity of recoverable should not exceed 68,425 cu.m of rough stone with an ultimate depth of mining is 32m below ground level. The annual peak production as per mining plan is 15990 cu.m of rough stone.
4. ToR was issued vide Lr.No.SEIAA–TN/F.No.8250/SEAC/ToR-904/2020, Dated: 16.03.2021.
5. Public was hearing conducted on 23.8.2021.

Earlier, this proposal was placed in 267th SEAC meeting held on 28.4.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance, subject to the standard conditions & normal conditions stipulated by MOEF&CC. Subsequently, it was placed in 512th SEIAA meeting held on 27.5.2022 and SEIAA referred back the proposal to SEAC seeking certain clarifications. The details of the minutes are given in the website (parivesh.nic.in).


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The proposal was placed for considering SEIAA's remarks in this 295th meeting of SEAC held on 15.7.2022. The Project proponent has made a presentation along with clarifications for the above shortcomings observed by the SEIAA, as under.

Sl.No	Query raised by SEIAA	Reply furnished by the PP
1	The authority noted that Thriu.Vinu (legal Heir), S/o. Thiru. S Raju (Applicant) of this proposal seeking EC has submitted request Ir.Dt 2E.02-2022 stating that due his father Thiru. S Raju (Applicant) demise kindly transfer the application in the name of Thriu.Vinu (legal Heir) S/o. Thiru. S Raju and to grant EC. In this connection, Thriu.Vihu (legal Heir) has submitted the Death certificate, Legal heir certificate, register consent document and letter obtained from Assistant director Department Geology and mining Tiruppur Vide letter No: 966/2020 Kannimarn, dated 26.02.2022 .	Earlier, the precise area communication was granted for the said proposal in the name of Thiru. S Raju. On the demise of the said proponent, Thriu.Vinu (legal Heir), S/o. Thiru. S Raju (Applicant) has obtained legal heir certificate and also obtained permission from AD Geology & Mining to proceed further in the name of that Thriu.Vinu (legal Heir), S/o. Thiru. S Raju (Applicant) vide No: 966/2020 Kannimarn, dated 26.02.2022 .

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for grant of Environmental Clearance in the name of Thriu.Vinu (legal Heir), S/o. Thiru. S Raju (Applicant) & confirm the recommendation already made in 267th SEAC meeting held on 28.4.2022.

Agenda No: 295-02

(File No: 8329/2021)

Proposed Multi Coloured Granite quarry project over an extent of 2.28.5 Ha in S.F.No. 503/1 at Sithampoondi Village , Paramathivelur Taluk, Namakkal District, Tamil Nadu by Thiru. M. Sengottuvel - For Environmental Clearance. (SIA/TN/MIN/ 69523/2021 dated: 27.11.2021)

The project proposal was placed in the 295th SEAC meeting held on 15.7.2022. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).


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The SEAC noted the following:

1. The project proponent, Thiru. M. Sengottuvel has applied for Environmental Clearance for the proposed Multi Coloured Granite quarry lease over an extent of 2.28.5 ha at S.F.Nos. 503/1 of Sithampoondi Village , Paramathivelur Taluk, Namakkal District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan the the lease period is for 20 years and for the period of five years the total quantity of recoverable should not exceed 30360 m³ of RoM & 18216 m³ of Multi Coloured Granite with an ultimate depth of mining is 33m below ground level. The annual peak production as per mining plan is 29,002 m³ of total excavation (1st year), 6,060 m³ of RoM (2nd year) with a recovery of 3,636m³ cu.m of Multi Coloured Granite (2nd year).

Year	ROM (m ³)	Recovery @ 60% (m ³)	Waste Excavation (m ³)				Total Excavation (m ³)
			Granite Waste @ 40% (m ³)	Weathered Rock (m ³)	Topsoil (m ³)	Side Burden (m ³)	
2021-2022	6000	3600	2400	3102	1800	12100	29002
2022-2023	6060	3636	2424	1320	828	9780	24048
2023-2024	6045	3627	2418	-	-	8320	20410
2024-2025	6000	3600	2400	-	-	6150	18150
2025-2026	6255	3753	2502	-	-	2520	15030
Grand Total	30360	18216	12144	4422	2628	38870	106640

4. ToR was issued vide Lr.No.SEIAA-TN/F.No.8329/SEAC/ToR-955/2020 dated 03.05.2021.
5. Public hearing was conducted on 23.09.2021.

Earlier, this proposal was placed in 267th SEAC meeting held on 28.4.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance, subject to the standard conditions & normal conditions stipulated by MOEF&CC. Subsequently, it

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was placed in 512th SEIAA meeting held on 27.5.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.

- a. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the following
 1. Soil health & bio-diversity.
 2. Climate change leading to Droughts, Floods etc.
 3. Pollution leading to release of Greenhouse gases (GHG), rise in Temperature & Livelihood of the local people.
 4. Possibilities of water contamination and impact on aquatic ecosystem health.
 5. Agriculture, Forestry & Traditional practices.
 6. Hydrothermal/Geothermal effect due to destruction of the Environment.
 7. Bio-geochemical processes and its foot prints including environmental stress.
 8. Sediment geochemistry in the surface streams.
- b. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years whichever is earlier.
- c. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
- d. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
- e. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
- f. Detailed Environment Management Plan includes adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever is earlier.


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The proposal was placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA in addition to the following.

- The production targets are conservative and follow the statutory rules and regulations issued by the Govt to quarry the Multi Coloured Granite at this location and sold to international and domestic markets.
- The PP is also demarcated a dedicated area within the leasehold area for dumping of the non-saleable granite waste.
- The waste rock (or) overburden/side burden rock (or) other rejects excavated in the quarry is also dumped within the leasehold area and it will be used for constructing the safety berms, bunds for developing the green belt during the life of 20 years and the remaining waste at the end of life will be used for backfilling purposes into the mined-out area of the quarry during the final closure plan.
- In case of non-feasibility of backfilling, the waste dumps will suitably terraced and stabilised by planting adequate vegetation as stipulated by the SEAC, as a part of progressive mine closure plan & rehabilitation plan approved by the competent authority under the provisions of the Granite Conservation & Development Rules, 1999.
- Long term & shorter ecological and environmental impacts such as air pollution due to dust, exhaust emissions or fumes, the discharge of toxic and objectionable effluents, noise arising out during the mining operations of granite and related activities are adequately mitigated in the EMP.
- It is submitted that the environmental impact is directly linked to the total excavation quantity which includes the RoM being mined out from the mineralised zone of quarry and not restricted to saleable production quantity (recovery alone).
- In some period, the situation arises where the recovery falls down to even very low value as 2 to 3% of RoM which neither provides an economically viable operation in the interest of revenue generation for company as well as the State Government and also it is not conducive to protect the environment in a sustainable manner.
- Mining recoverable reserves may vary subject to the quality of Granite mining methodology and the existing Geological features such as structural, textural


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formations and very significantly, the current market demand for the Granite being mined.

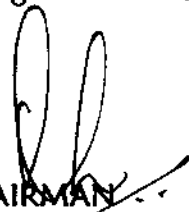
- Further, it is well known that without extracting the Run of Mine (ROM) the recoverable production (recovery) is not possible.
- The total of quantity of granite waste produced during the life of the quarry period will be utilised / dumped as per the conditions stipulated in the approved Mining Plan. Here, in case of utilization of granite waste for further beneficial purposes as per market trend (or) the Govt directions, the company shall get a revised / modified Mining Plan along with Mine Closure Plan from the competent authority.
- The PP have informed that any one of the following five scenarios that will be focused on the reclamation planning of the proposed quarry, which are:
 - To use mined land as agricultural purpose as the stored water will be utilised for cultivation;
 - To reshape the quarry and design an residential area;
 - To use the area as a place for educational purposes;
 - To revegetate the mined land with appropriate species for foresting and
 - Using the area as a promenade site/eco park for tourists.

These criteria have been determined according to mine site properties studied earlier through EIA/EMP such as micro and macro climate conditions, hydrology and hydrogeology, chemical and physical properties of soil, geological and geotechnical parameters and etc.

- The PP had indicated that the final mine closure plan includes the action plan for protection of the quarry once it is completed its life (or) abandoned by installing necessary safety provisions such as fencing, etc.
- The PP have informed that the granite waste blocks produced from the quarry (non-saleable granite) will be transported taking adequate environmental mitigation measures similar to the recovered Granite blocks as stipulated in EMP, in case of processing plant is situated outside the leasehold area.

Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 267th meeting of SEAC held on 28.4.2022, as given below.


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RoM Production qty as per Approved Mining Plan/Review of Mining Scheme	Annual Peak 'RoM' & 'Total Excavation' Capacity
Total RoM: 30360 m ³ - 18216 m ³ of recovered Multi Coloured Granite and 12144 m ³ of Granite Wastes for the Multi Coloured Granite for a period of 5 Years.	6,060 m ³ of RoM per annum & 29,002 m ³ of Total excavation per annum.

Agenda No: 295-03

(File No: 8335/2021)

Proposed Rough stone quarry lease area over an extent of 4.00.0 Ha at SF.No. 135 (Part 7), Iyangunam Village, Kilpenathur Taluk, Tiruvannamalai District by Thiru.Adhimoolam- For Environmental Clearance. (SIA/TN/MIN/72121/2021 Dt. 9.2.2022)

The proposal was placed for appraisal in this 295TH meeting of SEAC held on 15.7.2022. 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.Adhimoolam has applied for Environmental Clearance for the proposed Rough stone quarry lease area over an extent of 4.00.0 Ha at SF.No. 135 (Part 7), Iyangunam Village, Kilpenathur Taluk, Tiruvannamalai District, Tamil Nadu. It is a Govt. poromboke land.
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 10 years. The production for 5 years not to exceed 641300m³ of Rough stone. The Annual peak production as per mining plan is 128335 m³ of rough stone (1st year & 4th year) with ultimate depth - 75m AGL.
4. The PP was issued with ToR vide SEIAA-TN/F.No.8335/SEAC/TOR-963/2021 Dt.30.4.2021 with the restricted production of Rough stone as per mining plan 5,29,180m³/ - with ultimate depth of 35m AGL.

Earlier, this proposal was placed in 264th meeting of SEAC held on 19.4.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the standard conditions & normal conditions stipulated by MOEF &CC. Subsequently, it was placed in 509th SEIAA meeting held on 20.5.2022 and after detailed discussion,


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the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.

a) Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area from a reputed research institutions on the following

1. Soil health & bio-diversity.
2. Climate change leading to Droughts, Floods etc.
3. Pollution leading to release of Greenhouse gases (GHG), rise in Temperature & Livelihood of the local people.
4. Possibilities of water contamination and impact on aquatic ecosystem health.
5. Agriculture, Forestry & Traditional practices.
6. Hydrothermal/Geothermal effect due to destruction of the Environment.
7. Bio-geochemical processes and its foot prints including environmental stress.
8. Sediment geochemistry in the surface streams.

- a. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years whichever is earlier.
- b. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
- c. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
- d. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
- e. Detailed Environment Management Plan includes adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever is earlier.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA. Also the proponent has furnished reply to the complaints raised with respect to this quarry proposal. Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 264th meeting of SEAC held on 19.4.2022.

Agenda No: 295-04

(File No: 8349/2021)

Proposed Rough stone and Gravel quarry project over an extent of 1.23.0 Ha in S.F.No. 91/1A at Karunchamigoundenpalayam Village , Madhukarai Taluk, Coimbatore District, Tamil Nadu by Thiru. P. Varadharaj- For Environmental Clearance. (SIA/TN/MIN/60829/2021 dated: 01.03.2022)

The proposal was placed for appraisal in 295th meeting of SEAC held on 15.7.2022. 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. P. Varadharaj has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 1.23.0 ha at S.F.No. 91/1A at Karunchamigoundenpalayam Village, Madhukarai Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan the the lease period is for 5 years. The production for the five years states that the total quantity of recoverable should not exceed 98,270 cu.m of Rough stone and 14,110 cu.m of Gravel with an ultimate depth of mining is 22m below ground level. The Annual peak production as per mining plan is 26,980 cu.m of rough stone and 7,304 cu.m of gravel.
4. ToR issued vide Letter No. SEIAA-TN/F. No. 8349/SEAC/ToR-971/2021 Dated: 05.07.2021.
5. Public hearing conducted on dated 19.11.2021.

Earlier, this proposal was placed in 270th SEAC meeting held on 6.35.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance, subject to the standard conditions & normal conditions stipulated by MOEF&CC. Subsequently, it


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was placed in 515th SEIAA meeting held on 1.6.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.

- a. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the following
 1. Soil health & bio-diversity.
 2. Climate change leading to Droughts, Floods etc.
 3. Pollution leading to release of Greenhouse gases (GHG), rise in Temperature & Livelihood of the local people.
 4. Possibilities of water contamination and impact on aquatic ecosystem health.
 5. Agriculture, Forestry & Traditional practices.
 6. Hydrothermal/Geothermal effect due to destruction of the Environment.
 7. Bio-geochemical processes and its foot prints including environmental stress.
 8. Sediment geochemistry in the surface streams.
- b. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years whichever is earlier.
- c. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
- d. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
- e. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
- f. Detailed Environment Management Plan includes adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty

years, whichever is earlier.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA. Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 270th meeting of SEAC held on 6.5.2022.

Agenda No: 295-05

(File No: 8414/2021)

Proposed Rough stone and Gravel quarry project over an extent of 4.30.0Ha in S.F.Nos 134/15A, 134/15B, 134/17, 134/18, 134/19, 136/1, 136/2, 136/3A, 136/3B, 136/3C, 136/4, 136/5, 136/6, 136/7, 136/8, 136/9, 136/10, 143/1A, 143/1B, 143/1C, 143/1D, 143/2, 143/3, 143/4, 143/5, 143/6, 143/7A, 143/7B, 143/8, 143/10, 143/11, 144/2, 144/3, 144/4 and 144/5 at Menallur Village , Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu by Thiru.T.Ponnambalam - For Environmental Clearance. (SIA/TN/MIN/72502/2021 dated: 23.02.2021)

The proposal was placed for appraisal in 295th meeting of SEAC held on 15.7.2022. 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.T.Ponnambalam has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 4.30.0 ha at S.F.Nos. 134/15A, 134/15B, 134/17, 134/18, 134/19, 136/1, 136/2, 136/3A, 136/3B, 136/3C, 136/4, 136/5, 136/6, 136/7, 136/8, 136/9, 136/10, 143/1A, 143/1B, 143/1C, 143/1D, 143/2, 143/3, 143/4, 143/5, 143/6, 143/7A, 143/7B, 143/8, 143/10, 143/11, 144/2, 144/3, 144/4 and 144/5 of Menallur Village , Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan the the lease period is for 5 years. The production for the five years states that the total quantity of recoverable should not exceed 3,54,815 cu.m of Rough stone, 58,886 cu.m of Gravel and 28,385 cu.m of weathered rock with an ultimate depth of mining is 18m below ground level. The Annual peak production as per mining plan is 86,460 cu.m of rough stone and 36,738 cu.m of gravel.
4. ToR issued vide - Lr No. SEIAA-TN/F.No.8414/SEAC/ToR-976/2021, Dated:

05.07.2021.

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5. Public hearing conducted on dated 06.11.2021.

Earlier, this proposal was placed in 270th SEAC meeting held on 6.35.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance, subject to the standard conditions & normal conditions stipulated by MOEF&CC. Subsequently, it was placed in 515th SEIAA meeting held on 1.6.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.

- a) Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area from a reputed research institutions on the following
 1. Soil health & bio-diversity.
 2. Climate change leading to Droughts, Floods etc.
 3. Pollution leading to release of Greenhouse gases (GHG), rise in Temperature & Livelihood of the local people.
 4. Possibilities of water contamination and impact on aquatic ecosystem health.
 5. Agriculture, Forestry & Traditional practices.
 6. Hydrothermal/Geothermal effect due to destruction of the Environment.
 7. Bio-geochemical processes and its foot prints including environmental stress.
 8. Sediment geochemistry in the surface streams.
- b) Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years whichever is earlier.
- c) To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
- d) To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.

- e) Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
- f) Detailed Environment Management Plan includes adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever is earlier.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA. Also the proponent has furnished reply to the complaints raised with respect to this quarry proposal. Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 270th SEAC meeting held on 6.3.2022.

Agenda No: 295-6

(File No: 8547/2021)

Proposed Construction of Residential group development at S.F.Nos.101/2A, 1A, 1B, 1C, 1D, 2B, 2C, 3A, 3B, 4B, 4A, 2D, 3C, 138/2B1, 2A1, 1A,1B,1D, 1C, 2A2A, 2B2 of Mylampatti Village, Sulur Taluk, Coimbatore District, Tamil Nadu by M/s. Globuse Realtors Pvt Ltd - For Environmental Clearance. (SIA/TN/MIS/210842/2021, dated: 30.04.2021).

The proposal was placed for appraisal in 295th meeting of SEAC held on 15.7.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

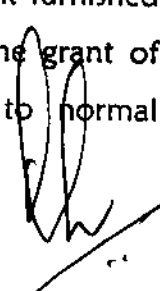
1. The project proponent, M/s. Globuse Realtors Pvt Ltd, has applied for Environmental Clearance for the Proposed Construction of Residential group development at S.F.Nos. 101/2A, 1A, 1B, 1C, 1D, 2B, 2C, 3A, 3B, 4B, 4A, 2D, 3C, 138/2B1, 2A1, 1A,1B,1D, 1C, 2A2A, 2B2 of Mylampatti Village, Sulur Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

Earlier, this proposal was placed in 233rd SEAC meeting & 235th meeting of SEAC held on 21.09.2021. Recently, it was placed in 270th meeting of SEAC held on 06.05.2022. The Project proponent made a presentation along with clarification for the above shortcomings observed by the SEAC. 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 specific conditions in addition to normal


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conditions stipulated by MOEF&.CC Subsequently, it was placed in 515th SEIAA meeting held on 1.6.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars.

- On perusal of the application, affidavit dated 01.11.2021 submitted by the proponent and the copy of the power point presentation received from SEAC it was noticed that, the data such as waste water quantity, treatment plant capacity, waste water usage, source of water and CER cost do not match. Hence the SEAC may furnish the approved correct tabulated data for further course of action by SEIAA.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA is as follows.

S. No	SEIAA Minutes	Data as per SEAC Presentation	Affidavit submitted on 01.11.2021	Affidavit submitted on 28.06.2022
1.	On perusal of the application, affidavit dated 01.11.2021 submitted by the proponent and the copy of the power point presentation received from SEAC it was noticed that, the data such as waste water quantity, treatment plant capacity, waste water usage, source of water and CER cost do not match.			
	Fresh water requirement	59 KLD	59 KLD	59 KLD
	Waste water quantity			
	Grey water generation	57 KLD	57 KLD	57 KLD
	Sewage generation	30 KLD	30 KLD	30 KLD
	Treatment plant capacity			
	Grey water Treatment plant capacity	65 KLD	65 KLD	65 KLD
	Sewage Treatment plant capacity	40 KLD	40 KLD	40 KLD

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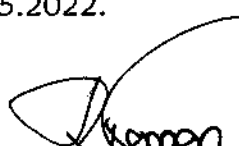
Waste water usage									
Greywater usage		54 kLD of treated water will be generated, out of which 30 kLD will be used for flushing, 24 kLD will be used greenbelt			54 kLD of treated water will be generated, out of which 30 kLD will be used for flushing, 24 kLD will be used greenbelt			54 kLD of treated water will be generated, out of which 30 kLD will be used for flushing, 24 kLD will be used greenbelt	
Sewage usage		29 KLD of treated sewage will be generated, out of which 18 KLD will be used for Greenbelt & OSR and the remaining treated sewage of 11 KLD will be used for Avenue Plantation.			29 KLD of treated sewage will be generated, out of which 18 KLD will be used for Greenbelt & OSR and the remaining treated sewage of 11 KLD will be used for Avenue Plantation.			29 KLD of treated sewage will be generated, out of which 18 KLD will be used for Greenbelt & OSR and the remaining treated sewage of 11 KLD will be used for Avenue Plantation.	
Source of water		Sulur Panchayat			Sulur Panchayat			Sulur Panchayat	
CER cost		S. No	CER Activity	Capital cost Allocation (in Lakhs)	S. No	CER Activity	Capital cost Allocation (in Lakhs)	S. No	CER Activity
			Improvement of school infrastructure, sanitation facility, library, Drinking water treatment plant, solar lighting & smart class (LED Projector with computer) for schools mentioned below			Improvement of school infrastructure, sanitation facility, library, Drinking water treatment plant, solar lighting & smart class (LED Projector with computer) for schools mentioned below			Improvement of school infrastructure, sanitation facility, library, Drinking water treatment plant, solar lighting & smart class (LED Projector with computer) for schools mentioned below

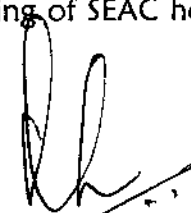
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		i	Government Tribal Residential High school, Anaikatti – 34 km, W	10		Government school, Karuparayampalayam – 1km, SW		below		
		ii	Government Tribal High school, Mattathukad – 38.19 km, NW	5		Government Higher Secondary School, Saravanampatti–3km, NW	21	i	Government Tribal Residential High school, Anaikatti – 34 km, W	10
		iii	Government Tribal Residential Higher Secondary school, Muttathuvayal – 36.27 km, SW	10		Govt Higher Secondary school, Ganapathypudur –4 km, NW	21	i	Government Tribal Residential Higher Secondary school, Muttathuvayal – 36.27 km, SW	5
		Total Cost Allocation		25				Total Cost Allocation		25
						Govt High School, Chinniyampalayam – 4km, W	21.22			
						Total Cost Allocation	85.22			

Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 270th meeting of SEAC held on 6.5.2022.


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Agenda No: 295-7

(File No: 8554/2021)

Proposed Rough stone quarry lease area over an extent of 1.05.0 Ha at SF.No 289/1(Part) Velampatty Village, Natham Taluk, Dindigul District, Tamil Nadu by Thiru.A.Lakshmipathy- For Environmental Clearance. (SIA/TN/MIN/214514/2021 Dt.9.6.2021)

The proposal was placed for appraisal in 295th meeting of SEAC held on 15.7.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.A.Lakshmipathy has applied for Environmental Clearance for the proposed Rough stone quarry lease area over an extent of 1.05.0 Ha at SF.No 289/1(Part) Velampatty Village, Natham Taluk, Dindigul District, Tamil Nadu. It is a Govt. Promboke land.
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 10 years. The production for first 5 years not to exceed 99186m³ of Rough stone. The Annual peak production as per mining plan is 20880m³ of rough stone with proposed depth of 20m (5m AGL + 15m BGL).

Earlier, this proposal was placed in 263rd meeting of SEAC held on 9.4.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance, subject to the standard conditions & normal conditions stipulated by MOEF &CC. Subsequently, it was placed in 508th SEIAA meeting held on 19.5.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.

1. In the VAO letter dated 29.12.2020.informed within 100 m radius one tiled house not in use and 4 nos of LTL line present from the project site. The impact of the project activities with respect to the above shall be examined.
2. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the following


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- a. Soil health & bio-diversity.
 - b. Climate change leading to Droughts, Floods etc.
 - c. Pollution leading to release of Greenhouse gases (GHG), rise in Temperature & Livelihood of the local people.
 - d. Possibilities of water contamination and impact on aquatic ecosystem health.
 - e. Agriculture, Forestry & Traditional practices.
 - f. Hydrothermal/Geothermal effect due to destruction of the Environment.
 - g. Bio-geochemical processes and its foot prints including environmental stress.
 - h. Sediment geochemistry in the surface streams.
3. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years whichever is earlier.
 4. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
 5. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
 6. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
 7. Detailed Environment Management Plan includes adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever is earlier.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA. It was reported that one tiled house not in use for more than 10 years and necessary safety distance is provided for 4 nos of LTL line present from the project site. Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 263th meeting of SEAC held on 9.4.2022.


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Agenda No: 295-08

(File No: 8604/2021)

Proposed Black Granite quarry lease area over an extent of 0.97.5 Ha at S.F.No. 9/6 Kunnam Village, Vanur Taluk, Viluppuram District, Tamil Nadu by Thiru Sankar.V - For Environmental Clearance. (SIA/TN/MIN/216775/2021 Dt.29.6.2021)


The proposal was placed for appraisal in this 295th meeting of SEAC held on 15.7.2022. 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 Sankar.V has applied for Environmental Clearance for the proposed Black Granite quarry lease area over an extent of 0.97.5 Ha at S.F.No. 9/6 Kunnam Village, Vanur Taluk, Viluppuram District, Tamil Nadu. It is a Govt. Promboke land.
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 20 years. The production for 5 years not to exceed 5680m³ of ROM & production of Black granite 568 m³. The Annual peak production as per mining plan is 1152 m³ of ROM (1st & 2nd year) & production of Black granite 115 m³ (1st, 2nd & 5th year) with proposed depth – 13m BGL. Ultimate depth – 33m BGL(Existing – 20 + proposed- 13m)


Earlier, this proposal was placed in 263rd meeting of SEAC held on 9.4.2022. 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. Subsequently, it was placed in 508th SEIAA meeting held on 19.5.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.

1. There seems to be forest patch within the lease area, biodiversity of the proposed lease may be studied with nature of the species of flora and fauna present. etc.


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2. A study has been suggested to MSSR foundation. The detail on research methodology may be obtained
3. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the following
 - a. Soil health & bio-diversity.
 - b. Climate change leading to Droughts, Floods etc.
 - c. Pollution leading to release of Greenhouse gases (GHG), rise in Temperature & Livelihood of the local people.
 - d. Possibilities of water contamination and impact on aquatic ecosystem health.
 - e. Agriculture, Forestry & Traditional practices.
 - f. Hydrothermal/Geothermal effect due to destruction of the Environment.
 - g. Bio-geochemical processes and its foot prints including environmental stress.
 - h. Sediment geochemistry in the surface streams.
4. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years whichever is earlier.
5. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/unfavorable accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
6. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
7. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
8. Detailed Environment Management Plan includes adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever is earlier.


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The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. During the meeting, the PP has stated that the proposed tender cum auctioned quarry lease has been cancelled by the Govt vide letter No. 1576/MMD 2/2021-2 Dt. 17.6.2022. Therefore SEAC decided not to recommend the proposal for grant of Environmental Clearance.

Agenda No: 295-09

(File No: 8608/2021)

Proposed Black Granite quarry lease area over an extent of 3.40.0 Ha at S.F.Nos.1 & 65 Melputhupattu Village, 184/1 Vadapalai Village Melmalaiyanur Taluk Viluppuram, Tamil Nadu by Thiru T.K. Kumar - For Environmental Clearance. (SIA/TN/MIN/216937/2021 Dt 2.7.2021)

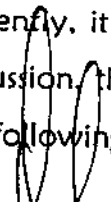
The proposal was placed for appraisal in this 295th meeting of SEAC held on 15.7.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru T.K. Kumar has applied for Environmental Clearance for the proposed Black Granite quarry lease area over an extent of 3.40.0 Ha at S.F.Nos.1 & 65 Melputhupattu Village, 184/1 Vadapalai Village Melmalaiyanur Taluk Viluppuram District, Tamil Nadu. It is a Govt. Promboke land.
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 20 years. The production for 5 years not to exceed 40300m³ of ROM & production of Black granite 4030m³. The Annual peak production as per mining plan is 8100m³ of ROM (1st to 4th year) & production of Black granite 810m³ (1st to 4th year) with proposed depth of 40m (5m AGL + 35m BGL).


Earlier, this proposal was placed in 263rd meeting of SEAC held on 9.4.2022. 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. Subsequently, it was placed in 508th SEIAA meeting held on 19.5.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional



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particulars with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.

1. There seems to be forest patch within the lease area, biodiversity of the proposed lease may be studied with nature of the species of flora and fauna present. etc.
2. A study has been suggested to MSSR foundation. The detail on research methodology may be obtained
3. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the following
 - a. Soil health & bio-diversity.
 - b. Climate change leading to Droughts, Floods etc.
 - c. Pollution leading to release of Greenhouse gases (GHG), rise in Temperature & Livelihood of the local people.
 - d. Possibilities of water contamination and impact on aquatic ecosystem health.
 - e. Agriculture, Forestry & Traditional practices.
 - f. Hydrothermal/Geothermal effect due to destruction of the Environment.
 - g. Bio-geochemical processes and its foot prints including environmental stress.
 - h. Sediment geochemistry in the surface streams.
4. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years whichever is earlier.
5. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
6. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
7. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.


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8. Detailed Environment Management Plan includes adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever is earlier.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. During the meeting, the PP has stated that the proposed tender cum auctioned quarry lease has been cancelled by the Govt vide letter No. 1576/MMD 2/2021-1 Dt. 17.6.2022. Therefore SEAC decided not to recommend the proposal for grant of Environmental Clearance.

Agenda No: 295-10

(File No: 8613/2021)

Proposed construction of new building for the establishment of New Government Hospital at S.F.Nos.250/7, 255/1B, 257/1, 257/2, 257/3, 256/1, 256/2, 256/4, 256/6, 258/1, 263/1, 265/1, 267/1A, 264/1, & 264/2 of Ariyalur South Village, Ariyalur Taluk, Ariyalur District and Tamil Nadu by M/s. Government Medical College and Hospital- For Environmental clearance. (SIA/TN/MIS/224049/2021, dated: 28.09.2021)

The proposal was placed for appraisal in 295th meeting of SEAC held on 15.7.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Government Medical College and Hospital, has applied for Environmental Clearance for the proposed construction of new building for the establishment of New Government Hospital at S.F.Nos.250/7, 255/1B, 257/1, 257/2, 257/3, 256/1, 256/2, 256/4, 256/6, 258/1, 263/1, 265/1, 267/1A, 264/1, & 264/2 of Ariyalur South Village, Ariyalur Taluk, Ariyalur District and Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
3. The total site area of the project is 63,675.64 sq.m and total built up area is 49,946.7 sq.m.

Earlier, this proposal was placed in 238th meeting of SEAC held on 13.10.2021 & 270th meeting of SEAC held on 06.05.2022. The Project proponent made a presentation along with clarification for the above shortcomings observed by the SEAC. 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 specific conditions in addition to normal conditions stipulated by MOEF&CC. Subsequently, it


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was placed in 515th SEIAA meeting held on 1.6.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, for the following reasons.

- On perusal of the application, G.O, power point presentation received from SEAC and the letter dated 06.06.2022 it was noticed that, the data such as survey numbers, plot area, built up area, solid waste quantity and number car parking do not match. Hence the SEAC may furnish the approved correct tabulated data for further course of action by SEIAA.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA as follows.

Clarification regarding the Survey Numbers, Plot Area, Built-Up Area, Solid Waste Generation and Car Parking Details				
Details	As per G.O. No. 77 dated 02-03-2020	As per Application dated 28-09-2021	Hospital details for Environmental Clearance	Justification
Survey numbers	250/7, 255/1B, 257/1, 257/2, 257/3, 256/1, 256/2, 256/4, 256/6, 258/1, 263/1, 265/1, 267/1A, 264/1 and 264/2.	250/7, 255/1B, 257/1, 257/2, 257/3, 256/1, 256/2, 256/4, 256/6, 258/1, 263/1, 265/1, 267/1A, 264/1 and 264/2.	256/1, 256/2, 256/4, 256/6, 257/1, 257/2, 257/3 and 258/1.	In 236 th meeting, honorable SEAC Committee has asked us to present the details only for Hospital Building as per OM dated 09.06.2015, the school, college and hostel for education institution exempted from obtaining prior environmental clearance under provisions of EIA Notification, 2006 subject to sustainable development.
Plot Area	1,08,315m ²	1,08,315m ²	58,465 m ²	The plot area corresponds to the extent of land as per the survey numbers selected for the hospital buildings.


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Built-up Area	-	60,043.91m ²	49,946.7m ²	This area is the sum of the built up area for the hospital and mortuary building. Built-up area of the Hospital Building – 49,507.70 m ³ Area of the Mortuary – 439.00 m ² Total Built Up – 49,946.70 m ²
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Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 270th meeting of SEAC held on 6.5.2022.

Agenda No: 295-11

(File No: 8682/2021)

Proposed Black Granite quarry lease area over an extent of 4.54.0 Ha at S.F.No. 281(Part) Gopinathampatty Village, Harur Taluk, Dharmapuri District, Tamil Nadu by Thiru. D.Mathiazhagan - For Environmental Clearance. (SIA/TN/MIN/221879/2021 Dt.27.7.2021)

The proposal was placed for appraisal in this 295th meeting of SEAC held on 15.7.2022. 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. D.Mathiazhagan has applied for Environmental Clearance for the Proposed Black Granite quarry lease area over an extent of 4.54.0 Ha at S.F.No. 281(Part) Gopinathampatty Village, Harur Taluk, Dharmapuri District, Tamil Nadu. It is a Govt. poromboke land.
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 20 years. The production for 5 years not to exceed 62490m³ of ROM and 3124 m³ of recovered Black Granite. The Annual peak production as per mining plan is 625 m³ of Black Granite (1st to 4th year) with 73166 m³ of Total excavation quantity by maintaining an ultimate depth of 24m (14m AGL+10m BGL).

Year	ROM (m ³)	Recovery @ 5% (m ³)	Waste Excavation (m ³)				Total Excavation (m ³)
			Granite Waste @ 95%	Weathered Rock (m ³)	Topsoil (m ³)	Side Burden (m ³)	

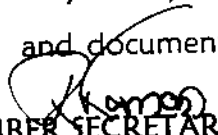
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			(m ³)				
I	12500	625	11875	16500	18666	13000	73166
II	12500	625	11875	10260	11340	10250	56850
III	12500	625	11875	14750	16250	7000	63000
IV	12500	625	11875	7440	8832	3000	44272
V	12490	624	11866	-	-	150	25130
Grand Total	62490	3124	59366	48950	55088	33400	262418

Earlier, this proposal was placed in 264th meeting of SEAC held on 19.4.2022. 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. Subsequently, it was placed in 509th SEIAA meeting held on 20.5.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.

- a) Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area from a reputed research institutions on the following
 1. Soil health & bio-diversity.
 2. Climate change leading to Droughts, Floods etc.
 3. Pollution leading to release of Greenhouse gases (GHG), rise in Temperature & Livelihood of the local people.
 4. Possibilities of water contamination and impact on aquatic ecosystem health.
 5. Agriculture, Forestry & Traditional practices.
 6. Hydrothermal/Geothermal effect due to destruction of the Environment.
 7. Bio-geochemical processes and its foot prints including environmental stress.
 8. Sediment geochemistry in the surface streams.
- b) Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or)


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subject to a maximum of thirty years whichever is earlier.

- c) To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
- d) To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
- e) Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
- f) Detailed Environment Management Plan includes adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever is earlier.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA in addition to the following.

- The production targets are conservative and follow the statutory rules and regulations issued by the Govt to quarry the Multi Coloured Granite at this location and sold to international and domestic markets.
- The PP is also demarcated a dedicated area within the leasehold area for dumping of the non-saleable granite waste.
- The waste rock (or) overburden/side burden rock (or) other rejects excavated in the quarry is also dumped within the leasehold area and it will be used for constructing the safety berms, bunds for developing the green belt during the life of 20 years and the remaining waste at the end of life will be used for backfilling purposes into the mined-out area of the quarry during the final closure plan.
- In case of non-feasibility of backfilling, the waste dumps will suitably terraced and stabilised by planting adequate vegetation as stipulated by the SEAC, as a part of progressive mine closure plan & rehabilitation plan approved by the competent authority under the provisions of the Granite Conservation & Development Rules, 1999.
- Long term & shorter ecological and environmental impacts such as air pollution due to dust, exhaust emissions or fumes, the discharge of toxic and objectionable

effluents, noise arising out during the mining operations of granite and related activities are adequately mitigated in the EMP.

- It is submitted that the environmental impact is directly linked to the total excavation quantity which includes the RoM being mined out from the mineralised zone of quarry and not restricted to saleable production quantity (recovery alone).
- In some period, the situation arises where the recovery falls down to even very low value as 2 to 3% of RoM which neither provides an economically viable operation in the interest of revenue generation for company as well as the State Government and also it is not conducive to protect the environment in a sustainable manner.
- Mining recoverable reserves may vary subject to the quality of Granite mining methodology and the existing Geological features such as structural, textural formations and very significantly, the current market demand for the Granite being mined.
- Further, it is well known that without extracting the Run of Mine (ROM) the recoverable production (recovery) is not possible.
- The total of quantity of granite waste produced during the life of the quarry period will be utilised / dumped as per the conditions stipulated in the approved Mining Plan. Here, in case of utilization of granite waste for further beneficial purposes as per market trend (or) the Govt directions, the company shall get a revised / modified Mining Plan along with Mine Closure Plan from the competent authority.
- The PP have informed that the any one of the following five scenarios that will be focused on the reclamation planning of the proposed quarry, which are:
 - To use mined land as agricultural purpose as the stored water will be utilised for cultivation;
 - To reshape the quarry and design an residential area;
 - To use the area as a place for educational purposes;
 - To revegetate the mined land with appropriate species for foresting and
 - Using the area as a promenade site/eco park for tourists.
- These criteria have been determined according to mine site properties studied earlier through EIA/EMP such as micro and macro climate conditions, hydrology and hydrogeology, chemical and physical properties of soil, geological and geotechnical parameters and etc.

- The PP had indicated that the final mine closure plan includes the action plan for protection of the quarry once it is completed its life (or) abandoned by installing necessary safety provisions such as fencing, etc.
- The PP have informed that the granite waste blocks produced from the quarry (non-saleable granite) will be transported taking adequate environmental mitigation measures similar to the recovered Granite blocks as stipulated in EMP, in case of processing plant is situated outside the leasehold area.

Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 264th SEAC meeting held on 19.4.2022 as given below.

RoM Production qty as per Approved Mining Plan/Review of Mining Scheme	Annual Peak 'RoM' & 'Total Excavation' Capacity
Total RoM: 62490 m ³ – 3124 m ³ of recovered Black Granite (Dolerite) and 59366 m ³ of Granite Wastes for the Multi Coloured Granite for a period of 5 Years.	625 m ³ of RoM per Annum & 73166 m ³ of Total excavation per Annum

Agenda No: 295-12

(File No: 8713/2021)

Proposed Rough Stone quarry over an extent of 1.00.0 Ha located at S.F. No. 352/5 (Part) Devannagoundanur Village, Sankari Taluk, Salem District by Thiru.S.K.Senthilkumar - For Environmental Clearance.(SIA/TN/MIN/224250/2021 dated:11.08.2021)

The proposal was placed for appraisal in 295th meeting of SEAC held on 15.7.2022. 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.S.K.Senthilkumar has applied for Environmental Clearance for the proposed Rough Stone quarry over an extent of 1.00.0 Ha in Government poramboke land located at S.F. No. 352/5 (Part), Devannagoundanur Village, Sankari Taluk, Salem district, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan the the lease period is for 10 years. The production for the ten years states that the total quantity of recoverable should not exceed 2,16,120m³ of


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Rough stone with an ultimate depth of mining is 51m below ground level. The Annual peak production as per mining plan is 53,780m³ of Rough stone.

Earlier, this proposal was placed in 265th SEAC meeting held on 21.4.2022. 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. Subsequently, it was placed in 510th SEIAA meeting held on 23.5.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.

1. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the following
 - a. Soil health & bio-diversity.
 - b. Climate change leading to Droughts, Floods etc.
 - c. Pollution leading to release of Greenhouse gases (GHG), rise in Temperature & Livelihood of the local people.
 - d. Possibilities of water contamination and impact on aquatic ecosystem health.
 - e. Agriculture, Forestry & Traditional practices.
 - f. Hydrothermal/Geothermal effect due to destruction of the Environment.
 - g. Bio-geochemical processes and its foot prints including environmental stress.
 - h. Sediment geochemistry in the surface streams.
2. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years whichever is earlier.
3. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
4. To furnish risk assessment and management plan including anticipated vulnerabilities

during operational and post operational phases of Mining.

5. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
6. Detailed Environment Management Plan includes adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever is earlier.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA. Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 265th meeting of SEAC held on 21.4.2022.

Agenda No: 295-13

(File No: 8729/2021)

Proposed Rough stone quarry project over an extent of 1.78.5 Ha in S.F.No. 380/1B at Chintalpadi Village , Pappireddypatti Taluk, Dharmapuri District, Tamil Nadu by Tmt. V.Pushpa - For Environmental Clearance. (SIA/TN/MIN/225510/2021 dated: 20.08.2021)

The proposal was placed for appraisal in 295th meeting of SEAC held on 15.7.2022. 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, Tmt.V.Pushpa has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.78.5 ha at S.F.No. 380/1B of Chintalpadi Village , Pappireddypatti Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan the the lease period is for 10 years. The production for the five years states that the total quantity of recoverable should not exceed 169502 cu.m of Rough stone with an ultimate depth of mining is 20m below ground level. The Annual peak production as per mining plan is 38090 cu.m of rough stone .

Earlier, this proposal was placed in 270th SEAC meeting held on 6.5.2022. 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


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standard conditions & normal conditions stipulated by MOEF&CC. Subsequently, it was placed in 515th SEIAA meeting held on 10.6.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.

1. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the following
 - a) Soil health & bio-diversity.
 - b) Climate change leading to Droughts, Floods etc.
 - c) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature & Livelihood of the local people.
 - d) Possibilities of water contamination and impact on aquatic ecosystem health.
 - e) Agriculture, Forestry & Traditional practices.
 - f) Hydrothermal/Geothermal effect due to destruction of the Environment.
 - g) Bio-geochemical processes and its foot prints including environmental stress.
 - h) Sediment geochemistry in the surface streams.
2. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby water bodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years whichever is earlier.
3. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
4. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
5. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
6. Detailed Environment Management Plan includes adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever

is earlier.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA. Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 270th meeting of SEAC held on 6.5.2022.

Agenda No: 295-14

(File No: 8762/2021)

Proposed Rough Stone Quarry lease area over an extent an extent of 2.50.0 Ha located at SF.No.346/2(P) of Nadumangalam Village, Natham Taluk, Dindigul District, Tamil Nadu by Thiru.C.Murugapandi- For Environmental Clearance.(SIA/TN/MIN/227223/2021 dated:01/09/2021)

The proposal was placed for appraisal in this 295th meeting of SEAC held on 15.7.2022. 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.C.Murugapandi has applied for Environmental Clearance for the proposed Rough Stone Quarry lease area over an extent an extent of 2.50.0 Ha located at SF.No.346/2(P) of Nadumangalam Village, Natham Taluk, Dindigul District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan the lease period is for 10 years. The production for the ten years states that the total quantity of recoverable should not exceed 2,16,120m³ of Rough stone with an ultimate depth of mining is 51m below ground level. The Annual peak production as per mining plan is 53,780m³ of Rough stone.

Earlier, this proposal was placed in 244th meeting of SEAC held on 09.02.2022 & 265th meeting of SEAC held on 21.4.2022. 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. Subsequently, it was placed in 510th SEIAA meeting held on 23.5.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars with


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reference to project life (or) subject to a maximum of thirty years, whichever is earlier.

1. Total quantity of recoverable was mentioned as 2,16,120 m³ of rough stone with ultimate depth of mining as 51m Below Ground level instead of 2,87,800 m³ of rough stone with ultimate depth of mining 61m (10m Above ground Level & 51m below ground level).
2. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the following
 - i) Soil health & bio-diversity.
 - j) Climate change leading to Droughts, Floods etc.
 - k) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature & Livelihood of the local people.
 - l) Possibilities of water contamination and impact on aquatic ecosystem health.
 - m) Agriculture, Forestry & Traditional practices.
 - n) Hydrothermal/Geothermal effect due to destruction of the Environment.
 - o) Bio-geochemical processes and its foot prints including environmental stress.
 - p) Sediment geochemistry in the surface streams.
3. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby water bodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years whichever is earlier.
4. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
5. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
6. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of thirty years, whichever is earlier.
7. Detailed Environment Management Plan includes adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever

is earlier.

8. The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA. Based on the presentation and documents furnished by the project proponent, SEAC noted that there was an inadvertent error in the Minutes recorded earlier. SEAC, therefore, decided to revise its recommendation for the total production of 2,87,800 m³ of rough stone with ultimate depth of mining 61m (10m above ground Level & 51m below ground level).

Agenda No: 295-15

(File No: 8779/2021)

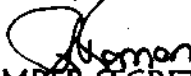
Proposed rough stone quarry lease area over an extent of 3.45.5 Ha at S. F.Nos. 748/B Thennilai East Village, Aravakurichi Taluk, Karur District, Tamil Nadu by M/s. TPK Sand Crushers Pvt Ltd-For Environmental Clearance amendment (SIA/TN/MIN/228606/2021 Dt: 09.09.2021)

The proposal was placed in this 295th SEAC Meeting held on 15.7.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. TPK Sand Crushers Pvt Ltd has applied for the Environmental Clearance for proposed rough stone quarry lease area over an extent of 3.45.5 Ha at S. F.Nos. 748/B Thennilai East Village, Aravakurichi Taluk, Karur District, Tamil Nadu. It is Govt Poromboke land.
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 years. The production for 5 years not to exceed –296863 m³ of rough stone and topsoil – 10309m³. The annual peak production as per mining plan is 56074m³ of rough stone (2nd year) & 10309m³ of topsoil (1st year) with ultimate depth of 26m BGL

Earlier, this proposal was placed in 271st SEAC Meeting held on 12.5.2022. 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. Subsequently, it was placed in 516th SEIAA meeting held on 1.6.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, for the following reason.


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- As per the 500m Cluster letter issued by the Deputy Director, Geology & Mining, Karur vide Rc.No.145/mines/2019 dated 27.8.2021, the total cluster area is above 5 Ha(i.e 3.45.5 Ha + 4.37.0 Ha). Whereas in the affidavit dated 01.07.2021 submitted by the proponent, the other quarry present within the 500m radius of the proposed mine lease area has been omitted. Hence the said facts may be ascertained.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA and furnished revised affidavit. Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 271st meeting of SEAC held on 12.5.2022.

Agenda No: 295-16


(File No: 8791/2021)

Proposed rough stone & gravel quarry lease area over an extent of 2.32.0 Ha at S.F.Nos. 792/1, 792/2 & 798/2B Batalapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by M/s. Royal Mines-For Environmental Clearance amendment (SIA/TN/MIN/229466/2021 Dt: 15.09.2021)

The proposal was placed in this 295TH SEAC Meeting held on 15.7.2022. 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, by M/s. Royal Mines has applied for the Environmental Clearance for proposed rough stone & gravel quarry lease area over an extent of 2.32.0 Ha at S.F.Nos. 792/1, 792/2 & 798/2B Batalapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 10 years. The production for 5 years not to exceed –405297 m³ of rough stone and gravel – 39234m³. The annual peak production as per mining plan is 98202m³ of rough stone(3rd year) &15498m³ of gravel (1st year) with ultimate depth of 44m BGL. Proposed- 37m.


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Earlier, this proposal was placed in 271st SEAC Meeting held on 12.5.2022. 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. Subsequently, it was placed in 516th SEIAA meeting held on 1.6.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars with reference to project life (or) subject to a maximum of thirty years, whichever is earlier.

1. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the following
 - a) Soil health & bio-diversity.
 - b) Climate change leading to Droughts, Floods etc.
 - c) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature & Livelihood of the local people.
 - d) Possibilities of water contamination and impact on aquatic ecosystem health.
 - e) Agriculture, Forestry & Traditional practices.
 - f) Hydrothermal/Geothermal effect due to destruction of the Environment.
 - g) Bio-geochemical processes and its foot prints including environmental stress.
 - h) Sediment geochemistry in the surface streams.
2. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby water bodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the project life (or) subject to a maximum of thirty years whichever is earlier.
3. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities.
4. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
5. Detailed Mine Closure Plan covering the project life (or) subject to a maximum of

thirty years, whichever is earlier.

6. Detailed Environment Management Plan includes adaptation, mitigation & remedial strategies covering the project life (or) subject to a maximum of thirty years, whichever is earlier.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA. Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 271st meeting of SEAC held on 12.5.2022.

Agenda No: 295-17

(File No: 8811/2021)

Proposed rough stone quarry lease area over an extent of 4.00.0Ha at S.F.No. 81(P), 89/13 & 91/1 Kamatchipuram Village, Thuraiyur Taluk, Tiruchirapalli District, Tamil Nadu by M/s. Kamatchipuram Magalir Kulu Kuttamaipu -For Environmental Clearance amendment (SIA/TN/MIN/231151/2021 Dt: 28.09.2021)

The proposal was placed in this 295th SEAC Meeting held on 15.7.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Kamatchipuram Magalir Kulu Kuttamaipu has applied for the Environmental Clearance for proposed rough stone quarry lease area over an extent of 4.00.0Ha at S.F.No. 81(P), 89/13 & 91/1 Kamatchipuram Village, Thuraiyur Taluk, Tiruchirapalli District, Tamil Nadu. It is a Govt Poromboke land.
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 years. The production for 5 years not to exceed -454377 m³ of Rough stone and 4960m³ of Top Soil. The Annual peak production as per mining plan is 91085 m³ of Rough stone (5th year) & 4960m³ of Top Soil (1st year) with ultimate depth of 36m (6m AGL + 30m BGL).

Earlier, this proposal was placed in 271st SEAC Meeting held on 12.5.2022. 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


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standard conditions & normal conditions stipulated by MOEF &CC. Subsequently, it was placed in 516th SEIAA meeting held on 1.6.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, after the receipt of following additional particulars

- a) To furnish study report on the impact of proposed mining activity on River Aiyaru and nearby fresh water bodies & ground water sources.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA and also furnished NOC from PWD vide letter Dt. 14.7.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 271st meeting of SEAC held on 12.5.2022.

Agenda No: 295-18

(File No: 8814/2021)


Proposed rough stone quarry lease area over an extent of 1.09.0 Ha at S. F. No. 7/4B Perundurai village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru. A. Shahul Hameed -For Environmental Clearance amendment (SIA/TN/MIN/232035/2021 Dt: 30.09.2021)

The proposal was placed in this 295TH SEAC Meeting held on 15.7.2022. 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, by Thiru A. Shahul Hameed has applied for the Environmental Clearance for proposed rough stone quarry lease area over an extent of 1.09.0 Ha at S. F. No. 7/4B Perundurai village, Thirumayam Taluk, Pudukkottai 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 years. The production for 5 years not to exceed –99855 m³ of Rough stone. The annual peak production as per mining plan is 27900m³ of Rough stone (3rd year) with ultimate depth of 56m BGL from existing depth - 20m.


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Earlier, this proposal was placed in 271st SEAC Meeting held on 12.5.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance, with restricted depth of 50m considering environmental aspects with production of 80995 m³ of rough stone, subject to the standard conditions & normal conditions stipulated by MOEF &CC. Subsequently, it was placed in 516th SEIAA meeting held on 1.6.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, for the following reason.

- On perusal of the mining plan, it was noticed that the geological depth of the mine is 50m and the mineable depth is 20m for a period of 5 years. However in the SEAC minutes it is mentioned that the ultimate depth of mining is 56m BGL. The said facts may be ascertained.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA. Based on the presentation and documents furnished by the project proponent, SEAC ascertained that the restricted depth of the quarry is 50m BGL which includes existing depth of 36m + proposed depth of 14m, with the total production 80995 m³ of rough stone and decided to confirm the recommendation already made in 271st meeting of SEAC held on 12.5.2022.

Agenda No: 295-19

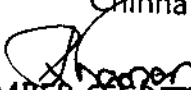
(File No: 8815/2021)

Proposed rough stone quarry lease area over an extent of 1.37.0 Ha at S.F.No. 275/3, 275/4, 276.1A, 277/2, 277/3A, 277/3C & 277/3D, Chinnaluppoi Village, Gujiliyamparai taluk, Dindigul District, Tamil Nadu by Thiru. V. Perumal -For Environmental Clearance amendment (SIA/TN/MIN/231869/2021 Dt: 29.09.2021)

The proposal was placed in this 295th SEAC Meeting held on 15.7.2022. 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. V. Perumal has applied for the Environmental Clearance for proposed rough stone quarry lease area over an extent of 1.37.0 Ha at S.F.No. 275/3, 275/4, 276.1A, 277/2, 277/3A, 277/3C & 277/3D, Chinnaluppoi Village, Gujiliyamparai taluk, Dindigul 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. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 97200 m³ of Rough stone and 8162m³ of Top Soil. The Annual peak production as per mining plan is 19780 m³ of Rough stone (5th year) & 8162m³ of Top Soil (1st year) with ultimate depth of 42m BGL.

Earlier, this proposal was placed in 271st SEAC Meeting held on 12.5.2022. 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. Subsequently, it was placed in 516th SEIAA meeting held on 1.6.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, for the following reason.

- On perusal of the mining plan, it was noticed that the geological depth of the mine is 42m and the depth of proposed mining also is 42m for a period of 5 years. Further there exists a pit to a depth of 6m from the previous mining activity. The said facts may be ascertained.

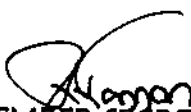
The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA. Based on the presentation and documents furnished by the project proponent, SEAC has again confirmed the 271st SEAC Meeting held on 12.5.2022 for production of not to exceed the quantity of 97200 m³ of Rough stone and 8162m³ of Top Soil for a period of 5 years with an Annual peak production of 19780 m³ of Rough stone (5th year) & 8162m³ of Top Soil (1st year) by maintaining the ultimate depth of 42m BGL (including existing pit depth of 6 m), as permitted in the approved mining plan.

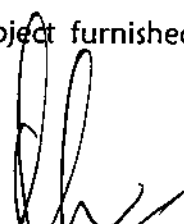
Agenda No: 295-20

(File No: 8820/2021)

Proposed gravel quarry lease area over an extent of 1.15.0 Ha at S. F. Nos. 281/5B & 318/2A Keelaramanathi Village, Kamuthi Taluk, Ramanathapuram District, Tamil Nadu by Thiru.G.Ramamoorthy -For Environmental Clearance amendment (SIA/TN/MIN/232294/2021 Dt: 01.10.2021)

The proposal was placed in this 295th SEAC Meeting held on 15.7.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).


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The SEAC noted the following:

1. The project proponent, Thiru.G.Ramamoorthy has applied for the Environmental Clearance for proposed gravel quarry lease area over an extent of 1.15.0 Ha at S. F. Nos. 281/5B & 318/2A Keelaramanathi Village, Kamuthi Taluk, Ramanathapuram 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 one year. The production for one year not to exceed –11318 m³ of gravel with ultimate depth of 2m BGL.

Earlier, this proposal was placed in 271st SEAC Meeting held on 12.5.2022. 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. Subsequently, it was placed in 516th SEIAA meeting held on 1.6.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, for the following reason.

1. Between Block A and Block B of the proposed mining lease area, other patta lands are located. Hence the proponent is directed to furnish no objection letter from the owners of the patta lands situated in between the Block A and Block B of the proposed mining lease area.
2. Further three water bodies are located nearby the proposed mine lease area. Hence the Proponent shall furnish study report on the impact of proposed mining activity on the said water bodies & ground water sources.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA. The PP also furnished the NOC from patta lands situated in between the Block A and Block B & furnished study report on the impact of proposed mining activity on the said water bodies & ground water sources.

Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 271st meeting of SEAC held on 12.5.2022.


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Agenda No: 295-21

(File No: 8821/2021)

Proposed gravel quarry lease area over an extent of 1.95.0 Ha at S. F. Nos. 217/2 Soodiyur Village, Paramakudi Taluk, Ramanathapuram District, Tamil Nadu by Thiru. E. Moses-For Environmental Clearance amendment (SIA/TN/MIN/232326/2021

Dt: 01.09.2021)

The proposal was placed in this 295TH SEAC Meeting held on 15.7.2022. 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.E. Moses has applied for the Environmental Clearance for proposed gravel quarry lease area over an extent of 1.95.0 Ha at S. F. Nos. 217/2 Soodiyur Village, Paramakudi Taluk, Ramanathapuram 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 one year. The production for one year not to exceed ^{27,126} ~~11318~~ m3 of gravel with ultimate depth of 2m BGL.

Earlier, this proposal was placed in 271st SEAC Meeting held on 12.5.2022. 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. Subsequently, it was placed in 516th SEIAA meeting held on 1.6.2022 and after detailed discussion, the Authority decided to refer back the proposal to SEAC, for the following reason.

1. River Vaigai and three other water bodies are located nearby the proposed mine lease area. Hence the Proponent shall furnish study report on the impact of proposed mining activity on River Vaigai, fresh water bodies & ground water sources.
2. Study report on biodiversity in the vicinity, coastal and marine ecosystem.

The proposal now placed for reappraisal in this 295th meeting of SEAC held on 15.7.2022. The PP has furnished a detailed reply covering the points raised by SEIAA. The PP also furnished the study report on the impact of proposed mining activity on River


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Vaigai, fresh water bodies & ground water sources. Also stated that, there is no coastal marine area within 50Km radius from the project site. The lease applied area is proposed to quarrying of gravel only upto a depth of 2m BGL, hence the project will not significantly affect the eco system of the nearby water bodies.

Based on the presentation and documents furnished by the project proponent, SEAC decided to confirm the recommendation already made in 271st meeting of SEAC held on 12.5.2022.

Agenda No: 295-22

(File No: 9182/2022)

Proposed construction of High Rise Residential building at SF.No.271/2, Keeranatham Village, Annur Taluk, Coimbatore District by M/S.Senthil Realty – For Environmental Clearance (SIA/TN/MIS/267486/2022 Dt.12.04.2022

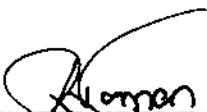
The proposal was placed in 293rd SEAC meeting held on 8.7.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

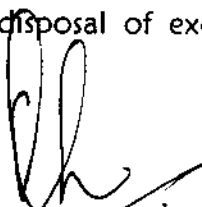
The SEAC noted the following:

1. The Project proponent M/S.Senthil Realty has applied for Environmental Clearance for the Proposed construction of High Rise Residential building at SF.No.271/2, Keeranatham Village, Annur Taluk, Coimbatore District.
2. The project/activity is covered under Category "B" of item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification' 2006.
3. The Project consists Block -1 Basement + Stilt + 1st to 8th Floor + terrace floor with 216 dwelling unit. Total Built up area 39,128.69 Sq.m. The total land area 8200 Sq.m.

Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the following specific conditions, in addition to standard conditions stipulated by MOEF &CC:

1. The building shall conform to minimum of IGBC Gold green building norms and shall obtain IGBC certificate in this regard before obtaining CTO from TNPCB.
2. The PP shall increase the Green belt area by utilizing surface car parking & STP area.
3. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body for before obtaining CTO.


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4. The project proponent shall provide STP of capacity 150 KLD and treated water shall be utilized for flushing, green belt and avenue plantation after obtaining necessary permission from competent Authority.
5. The PP shall analyse the treated wastewater samples periodically through TNPCB.
6. The treated/untreated sewage water shall not be let-out from the unit premises.
7. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor within the project site as committed and non- bio-degradable waste to should be sent to authorised recyclers as committed.
8. The height of the stacks of DG sets shall be provided as per the CPCB norms.
9. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc, to TNPCB before obtaining CTO.
10. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
11. The sludge generated from the sewage treatment plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
12. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
13. 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 State Forest and Horticulture Departments. 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.
14. Taller/one year old saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.


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15. The proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
16. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
17. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
18. No waste of any type to be disposed of in any other way other than as per the concerned regulations in force.
19. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in air, noise, solid waste disposal, sewage treatment & disposal etc., shall be followed strictly.
20. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
21. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring of the health of construction workers during COVID and post-COVID period.
22. The project proponent shall measure the criteria air pollutants data (including CO) due to vehicular traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
23. Generation of the solar/renewable energy should not be less than 15% of total energy utilization and ensure that the 40% of the roof area shall be covered with solar panel. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
24. The PP shall form Eco Club/Green club involving residential association and carry out community plantation programme.
25. The grant of this E.C. is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility.


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

26. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.

27. The Project Proponent stated that an amount Rs. 40 lakhs shall be spent as CER and the amount shall be spent for Government Arts College, Keeranatham for Renovation and providing, plumbing and sanitary network for 20 units of ladies' toilet.

Agenda No: 295-23

(File No: 9189/2022)

Proposed Rough Stone quarry lease over an extent of 4.91.5 Ha at S.F.Nos. 29/2, 29/3, 30/4, 30/9, 30/12, 30/13, Thollamur Village, Vanur Taluk, Villupuram District, Tamil Nadu by Thiru. K. Gnanasekaran for Terms of Reference (SIA/TN/MIN/76147/2022 Dt.26.04.2022)

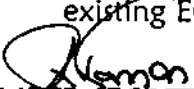
The proposal was placed in this 295th Meeting of SEAC held on 15.7.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

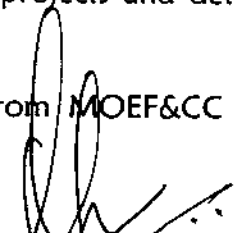
The SEAC noted the following

1. The Project Proponent, Thiru. K. Gnanasekaran has applied for Terms of Reference for the proposed Rough Stone & Earth quarry lease over an extent of 2.33.5 Ha at S.F.Nos. 29/2, 29/3, 30/4, 30/9, 30/12, 30/13, Thollamur Village, Vanur Taluk, Villupuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 133570 cu.m of rough stone & 19912 cu.m of Earth. The annual peak production is 36850 cu.m. of Rough Stone (3rd year) and 11400 cu.m. of Earth (2nd year). The ultimate depth is 37 m BGL.


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

1. The PP shall provide certified compliance report obtained from MOEF&CC on existing EC.


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2. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
3. In the case of proposed lease in an existing (or old) quarry where the benches are nonexistent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.
4. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
4. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
5. As the habitations are situated at a distance of 390 m, the PP shall present a conceptual design for carrying out the NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
6. Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe blasting operation while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
7. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
8. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,


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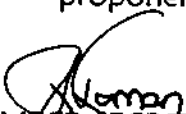
- a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
9. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
10. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
11. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
12. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
13. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.

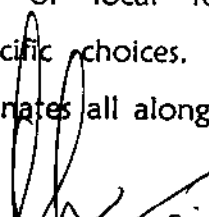

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14. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
15. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
16. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
17. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
18. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
19. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
20. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.

21. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
22. Impact on local transport infrastructure due to the Project should be indicated.
23. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
24. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
25. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
26. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
27. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
28. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
29. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
30. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the


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boundary of the project site with at least 3 meters wide and in between blocks in an organized manner

31. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
32. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
33. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
34. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
35. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
36. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
37. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
38. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
39. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.

40. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

Agenda No: 295-24

(File No: 9191/2022)

Proposed Rough Stone quarry lease over an extent of 1.84.0 Ha at S.F.Nos. 98/1 Poomalur Village, Palladam Taluk, Tiruppur District Tamil Nadu by Thiru. P.E.Thangavel for Terms of Reference (SIA/TN/MIN/75311/2022,15.04.2022)

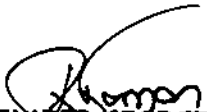
The proposal was placed in this 295th meeting of SEAC held on 15.7.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

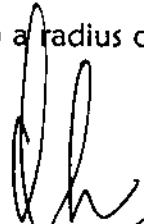
The SEAC noted the following

1. The Project Proponent, Thiru. P.E.Thangavel has applied for Terms of Reference for the proposed Rough Stone quarry lease over an extent of 1.84.0 Ha at S.F.Nos. 98/1 Poomalur Village, Palladam Taluk, Tiruppur District Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 197400 cu.m of rough stone. The annual peak production is 40780 cu.m. of Rough Stone (3rd year). The ultimate depth is 42 m BGL.


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

1. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.


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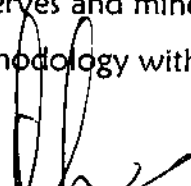
2. The PP shall furnish the certified compliance report obtained from MoEF&CC on existing EC issued.
3. Permanent structures (belonging to the PP/not belonging to the PP, Type/Age of construction, presence of inhabitants & distance) located within 500 m from the vicinity of the proposed site shall be surveyed & the same shall be enumerated and mitigation measures for these structures from the dust pollution, blast-induced ground vibration/noise, fly rock shall be accordingly detailed in EIA report.
4. The PP shall provide individual notice regarding the Public Hearing to the nearby house owners located in the vicinity of the project site.
5. In the case of proposed lease in an existing (or old) quarry where the benches are nonexistent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.
6. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry indicating the proposed stabilizing measures during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
3. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
4. As the habitations are situated at a distance of 470 m, the PP shall present a conceptual design for carrying out the NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.


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5. Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe blasting operation while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
6. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
7. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
8. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
9. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
10. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
11. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with

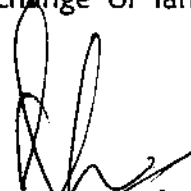

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justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.

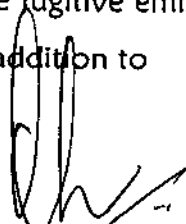
12. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act 1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in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


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18. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
19. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
20. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
21. Impact on local transport infrastructure due to the Project should be indicated.
22. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
23. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
24. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
25. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
26. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
27. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
28. 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

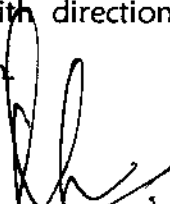

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improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

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


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

Agenda No: 295-25

(File No: 9192/2022)

Proposed Rough Stone quarry lease over an extent of 1.62.5 Ha at S.F.Nos 212/1A (P), 212/1B, 212/2A, 212/2B (P), 212/3A & 212/3B (P) Pachapalayam Village, Sulur Taluk, Coimbatore District Tamil Nadu by Thiru K.Jayakumar for Terms of Reference (SIA/TN/MIN/75347/2022 Dt.16.4.2022)

The proposal was placed in this 295th meeting of SEAC held on 15.7.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

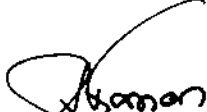
1. The Project Proponent, Thiru. K.Jayakumar has applied for Terms of Reference for the proposed Rough Stone quarry lease over an extent of 1.62.5 Ha at S.F.Nos 212/1A (P), 212/1B, 212/2A, 212/2B (P), 212/3A & 212/3B (P) Pachapalayam Village, Sulur Taluk, Coimbatore District Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 37395 cu.m of rough stone. 10841 m³ of Gravel & 13758 m³ of Weathered Gravel. The annual peak production is 9860 cu.m of rough stone (4th Year). 6549 m³ of Gravel (3rd year) & 7980 m³ of Weathered Gravel (3rd year). The ultimate depth is 28.5m BGL.

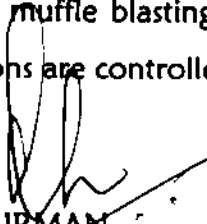

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Based on the presentation made by the proponent SEAC recommended grant of Terms of Reference (TOR) with Public Hearing, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details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

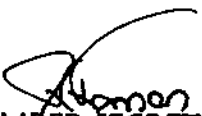
1. The PP shall incorporate the details of no of trepanation of the trees removed from the project site & do compensatory tree plantation in the ratio of 1:10.
2. Village map shall be included in the report.
3. The PP shall remove the benches having less than 12m width from the mining plan.
4. Permanent structures (belonging to the PP/not belonging to the PP. Type/Age of construction, presence of inhabitants & distance) located within 500 m from the vicinity of the proposed site shall be surveyed & the same shall be enumerated and mitigation measures for these structures from the dust pollution, blast-induced ground vibration/noise, fly rock shall be accordingly detailed in EIA report.
5. The PP shall provide individual notice regarding the Public Hearing to the nearby house owners located in the vicinity of the project site.
6. In the case of proposed lease in an existing (or old) quarry where the benches are nonexistent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.
7. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry indicating the proposed stabilizing measures during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
8. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
9. The PP shall present a conceptual design for carrying out the NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled

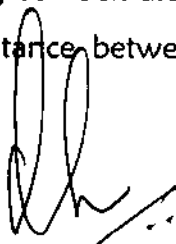

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within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.

10. Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe blasting operation while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
13. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
14. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
15. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
16. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
17. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the


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approved mining plan. Here, the PP shall prepare an Action Plan for developing green plantation as a replacement for the significant number of trees to be cut in the proposed site for the quarry operation.

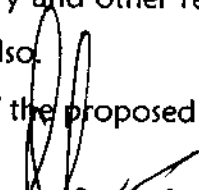
18. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
19. The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


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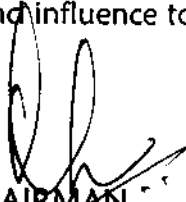
24. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
25. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
26. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
27. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
28. Impact on local transport infrastructure due to the Project should be indicated.
29. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
30. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
31. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
32. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
33. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
34. As a part of the study of flora and fauna around the vicinity of the proposed site,


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35. the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
36. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
37. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
38. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
39. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
40. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
41. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
42. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the


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local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

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

Agenda No: 295-26

(File No: 9193/2022)

Proposed Rough Stone & gravel quarry lease over an extent of 1.76.0 Ha at S.F.Nos 526/1 Pichanur Village, Madukkarai Taluk, Coimbatore District Tamil Nadu by Thiru. T. Kumaresh for Environmental Clearance (SIA/TN/MIN/267212/2022 Dt.13.04.2022)

The proposal was placed in this 295th meeting of SEAC held on 15.7.2022. 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. T. Kumaresh has applied for Environmental Clearance for the proposed Rough Stone & gravel quarry lease over an extent of 1.76.0 Ha at S.F.Nos 526/1 Pichanur Village, Madukkarai Taluk, Coimbatore District Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.


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3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 191840 cu.m of rough stone, 25552 m³ of Gravel & 22816 m³ of Weathered Gravel. The annual peak production is 41090 cu.m of rough stone (3rd Year), 11200 m³ of Gravel (1st year) & 9916 m³ of Weathered Gravel (3rd year). The ultimate depth is 44m BGL.

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

1. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.

Agenda No: 295-27

(File No: 9195/2022)

Proposed Rough Stone quarry lease over an extent of 2.17.0 Ha at S.F.Nos 15/1A1B & 15/3, Paladurai Village, Madukkarai Taluk, Coimbatore District Tamil Nadu by Tmt Tmt.V.Dhanalakshmi for Terms of Reference (SIA/TN/MIN/76102/2022 Dt.25.4.2022)

The proposal was placed in this 295th meeting of SEAC held on 15.7.2022. 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, Tmt.V.Dhanalakshmi has applied for Terms of Reference for the proposed Rough Stone quarry lease over an extent of 2.17.0 Ha at S.F.Nos 15/1A1B & 15/3, Paladurai Village, Madukkarai Taluk, Coimbatore District Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 71508 cu.m of rough stone. The annual peak production is 15040 cu.m of rough stone (5th year). The ultimate depth is 47m BGL.

Based on the presentation made by the proponent SEAC recommended grant of Terms of Reference (TOR) with Public Hearing, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details


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issued by the MOEF & CC to be included in EIA/EMP Report:

1. The PP shall furnish the certified compliance report obtained from MoEF&CC on existing EC issued.
2. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
3. Permanent structures (belonging to the PP/not belonging to the PP, Type/Age of construction, presence of inhabitants & distance) located within 500 m from the vicinity of the proposed site shall be surveyed & the same shall be enumerated and the mitigation measures for these structures from the dust pollution, blast-induced ground vibration/noise, fly rock shall be accordingly detailed in EIA report.
4. The PP shall provide individual notice regarding the Public Hearing to the nearby house owners located in the vicinity of the project site.
5. In the case of proposed lease in an existing (or old) quarry where the benches are nonexistent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.
6. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry indicating the proposed stabilizing measures during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
6. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
7. As the habitations are situated at a distance of 300 m, the PP shall present a conceptual design for carrying out the NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible


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limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.

8. Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe blasting operation while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
9. Details of Green belt & fencing shall be included in the EIA Report.
10. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
11. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
12. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
13. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
14. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.


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

- post operational phases and submitted. Impact, if any, of change of land use should be given.
22. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
23. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
24. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
25. Impact on local transport infrastructure due to the Project should be indicated.
26. A tree survey study shall be carried out (nos., name of the species, age, diameter etc..) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
27. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
28. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
29. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
30. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
31. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
32. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated. In addition to

improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

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


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

Agenda No: 295-28


(File No: 9196/2022)

Proposed Rough Stone quarry lease over an extent of 1.00.5 Ha at S.F.Nos 360/1A5 & 360/1A6, Arasampalayam Village, Kinathukadavu Taluk, Coimbatore District Tamil Nadu by Thiru. M.Viswanathan for Terms of Reference (SIA/TN/MIN/76094/2022 Dt. 23.4.2022)

The proposal was placed in this 295th meeting of SEAC held on 15.7.2022. 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. M.Viswanathan has applied for Terms of Reference for the proposed Rough Stone quarry lease over an extent of 1.00.5 Ha at S.F.Nos 360/1A5 & 360/1A6, Arasampalayam Village, Kinathukadavu Taluk, Coimbatore District Tamil Nadu.
- 2) The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
- 3) As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 55284 cu.m of rough stone. The annual peak production is 11784 cu.m of rough stone (1st year). The ultimate depth is 41m BGL.


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SEAC- TN**

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

1. The PP shall furnish the certified compliance report obtained from MoEF&CC on existing EC issued.
2. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
3. To study existence of any horizontal fissures and the need for amalgamation.
4. Permanent structures (belonging to the PP/not belonging to the PP, Type/Age of construction, presence of inhabitants & distance) located within 500 m from the vicinity of the proposed site shall be surveyed & the same shall be enumerated and mitigation measures for these structures from the dust pollution, blast-induced ground vibration/noise, fly rock shall be accordingly detailed in EIA report.
5. The PP shall provide individual notice regarding the Public Hearing to the nearby house owners located in the vicinity of the project site.
6. In the case of proposed lease in an existing (or old) quarry where the benches are nonexistent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease indicating the influence of horizontal fractures observed during the geological study, which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.
7. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry indicating the proposed stabilizing measures during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
40. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the


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

41. As the habitations are situated at a distance of 470 m, the PP shall present a conceptual design for carrying out the NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
42. Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe blasting operation while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
43. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
44. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
45. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).

46. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
47. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
48. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
49. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
50. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
51. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
52. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.

53. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
54. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
55. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
56. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
57. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
58. Impact on local transport infrastructure due to the Project should be indicated.
59. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
60. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
61. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
62. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.


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63. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
64. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
65. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
66. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
67. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
68. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
69. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
70. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
71. The Socio-economic studies should be carried out within a 5 km buffer zone from

the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

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

Agenda No: 295-29


(File No: 9197/2022)


Proposed Rough Stone quarry lease over an extent of 0.97.5 Ha at S.F.Nos 82/2B, Pachapalayam Village, Sulur Taluk, Coimbatore District Tamil Nadu by Thiru. C.Palanisamy for Terms of Reference (SIA/TN/MIN/76075/2022 Dt. 23.4.2022)

The proposal was placed in this 295th meeting of SEAC held on 15.7.2022. 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. C.Palanisamy has applied for Terms of Reference for the proposed Rough Stone quarry lease over an extent of 0.97.5 Ha at S.F.Nos 82/2B, Pachapalayam Village, Sulur Taluk, Coimbatore District Tamil Nadu.



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2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 28565 cu.m of rough stone. The annual peak production is 6875 cu.m of rough stone (3rd year). The ultimate depth is 31m BGL.

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

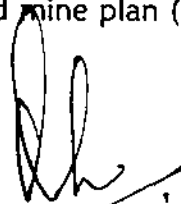
1. The PP shall furnish the certified compliance report obtained from MoEF&CC on existing EC issued.
2. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site
3. Permanent structures (belonging to the PP/not belonging to the PP, Type/Age of construction, presence of inhabitants & distance) located within 500 m from the vicinity of the proposed site shall be surveyed & the same shall be enumerated and mitigation measures for these structures from the dust pollution, blast-induced ground vibration/noise, fly rock shall be accordingly detailed in EIA report.
4. The PP shall provide individual notice regarding the Public Hearing to the nearby house owners located in the vicinity of the project site.
5. In the case of proposed lease in an existing (or old) quarry where the benches are nonexistent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.
6. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry indicating the proposed stabilizing measures during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.


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7. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
8. As the habitations are situated at a distance of 470 m, the PP shall present a conceptual design for carrying out the NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
9. Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe blasting operation while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
10. The PP shall explore the possibility of carrying out the amalgamation of adjacent quarries and provide such 'Action Plan' if the consent is obtained from the concerned PPs.
10. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
11. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.


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12. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
13. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
14. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
15. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
16. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
17. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
18. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
19. The Proponent shall carry out the Cumulative impact study due to mining

operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.

20. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
21. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
22. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
23. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
24. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
25. Impact on local transport infrastructure due to the Project should be indicated.
26. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
27. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
28. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of

the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.

29. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
30. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
31. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
32. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
33. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
34. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
35. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
36. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated


- in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
37. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
 38. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
 39. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
 40. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
 41. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
 42. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
 43. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

Agenda No: 295-30

(File No: 6846/2022)

Proposed Rough Stone quarry lease over an extent of 4.50.0 Ha at S.F.Nos 301(Part-2), Athi Village, Cheyyar Taluk, Tiruvannamalai District Tamil Nadu by Thiru. R. Ganesan for Environmental Clearance (SIA/TN/MIN/36808/2019, Dt. 08.02.2022)

The proposal was placed in this 295th meeting of SEAC held on 15.7.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in)


MEMBER SECRETARY
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CHAIRMAN
SEAC- TN

The SEAC noted the following

1. It is a Government Poramboke land which is not fit for the cultivation and the applicant has been awarded with this land through 'Tender cum Auction' in 2019.
2. The Project Proponent, Thiru. R. Ganesan has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 4.50.0 Ha at S.F.Nos 301(Part-2), Athi Village, Cheyyar Taluk, Tiruvannamalai District Tamil Nadu.
3. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
4. As per the mining plan the lease period is 10 years. The mining plan is for the period of five years & production should not exceed 1056550 cu.m of rough stone & 36900 m³ of top soil. The annual peak production is 6875 cu.m of rough stone (3rd year). The proposed depth is 50m (40m AGL + 10M BGL) and ultimate depth is 95m (40m AGL + 55m BGL).
5. It is a shallow open cast quarry. The Massive Charnockite is found after 1.0m (top soil formation) which is clearly inferred from the outcrops.
6. The precise area Communication letter was received from the District Collector, Tiruvannamalai vide Rc.No.18/Mines/2019, Dated: 16.05.2019.
7. The lease applied area is Hilly topography with highest elevation of 100m on the Southern side and lowest elevation of 50m on the North western side and gentle slope Northwest. The altitude of the area is 100m (max) above Mean sea level. The area is covered by the Topsoil which is about 1.0m thickness.
8. Surrounding Water Bodies; Vaikkal 50m West; Cheyyar River 200m West ; Athikulam 1km Northeast ; Pudur Lake 800m Southeast.
9. The nearest habitation – Athi village is situated at a distance of 2 km from the site.
10. Apart from this proposed quarry, there are no other existing/proposed quarries situated within a radius of 500 m.
11. There are no approved layouts/habitations located within a radial distance of 300m.
12. The PP has issued with ToR vide Lr No. SEIAA-TN/F.No.6846/SEAC/ToR-707/2020 Dated: 27.05.2020



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Based on the presentation made by the proponent SEAC noted that the Hon'ble High Court of Judicature at Madras in its order Dt. In WP No. 15007/2020 & WMP 18683/2020 has pronounced that *"It is also to be noted at this juncture that the State Level Impact Assessment Authority, before according the Environmental Clearance, shall also depute personal to the site in question and cause independent inspection and verification as to the ground reality and thereafter, proceed further in accordance with law"*.

Further the PP has been directed to furnish the following details:

1. The PP shall carry out the scientific studies to assess the slope stability of the proposed working benches / quarry wall when the depth of the quarry exceeds 40 m as well as the existence of river bed at a distance of 200 m, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted during the appraisal. The report shall also cover the slope stability action plan incorporating haul road along with benches, for the proposed workings in the hilly terrain of the quarry.
2. The PP shall carry out a comprehensive hydrogeological study to evaluate the impact of mining on the surrounding water bodies, especially, Cheyyar River 200m located in West, by involving a reputed Research and Academic Institution such as NIRM, IIT-Madras, NIT Trichy, University of Madras, Anna University-CEG Campus, and any other reputed research institutions etc. A copy of such scientific study report shall be submitted during the appraisal.
3. The PP shall carry out a comprehensive biodiversity study (flora & fauna) including soil health to evaluate the impact of mining on the surrounding environmental settings, by involving a reputed Research and Academic Institution such as TN Agricultural University-Coimbatore, Anna University Chennai-CES, and any other reputed academic/research institutions etc. A copy of such scientific study report shall be submitted during the appraisal.
4. The PP shall also carry out a comprehensive study on 'Socio-economic aspects' of the proposed site, indicating the developmental activities to be undertaken to enhance the quality of life in the surrounding villages, by involving a reputed


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Research and Academic Institution such as Madras School of Economics, Pondicherry University, IIT-Madras, NIT Trichy, Anna University Chennai-Main Campus, etc. A copy of such scientific study report shall be submitted during the appraisal.

5. The PP shall carry out a study on "Impact of Climate Change on quarrying operation and flood control measures and Environmental Management" in the proposed site, indicating the mitigating measures during the development of the project, by involving a reputed Research and Academic Institution such as IIT-Madras, NIT Trichy, Anna University Chennai-Main Campus, and any other CSIR Laboratories etc. A copy of such scientific study report shall be submitted during the appraisal.
6. The PP shall also provide the detailed mitigating measures to be carried out for the issues raised by the people who had participated in the Public Hearing, against the proposed quarrying project.

On the receipt of the above reports, and based on the 'on-site inspection' to be carried out by the sub Committee constituted by SEAC to assess the allegations as quoted in the WP, the SEAC will further carry out the deliberations.

Agenda No: 295-31

(File No: 7385/2022)

Existing Colour Granite quarry lease over an extent of 2.00.0 Ha at S.F.Nos 23(part)& 91/1, Pattanam Village, Rasipuram Taluk, Namakkal District Tamil Nadu by The Joint Commissioner Executive Officer Arulmighu Meenakshi Sundareswarar Temple for extension on the Environmental Clearance issued .(SIA/TN/MIN/273248/2022, Dt. 16.05.2022.)

The proposal was placed in this 295th meeting of SEAC held on 15.7.2022. 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, The Joint Commissioner Executive Officer Arulmighu Meenakshi Sundareswarar Temple has obtained Environmental Clearance vide Lr.No. SEIAA-TN/F.No.7385/1(a)/EC.N). 4189/2020 Dt. 18.5.2020 for the period of one year from the execution of the mining lease production should not exceed 2778 cu.m of multi coloured granite. Subsequently the PP has obtained validity extension for the period upto 15.5.2022 subjected to certain conditions as stated therein.



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2. Now, the PP has furnished the lease extension vide G.O.(3D) No.9 Industries Dept Dated 05.05.2022 and it has mentioned that "grant for extension of permission by one year to the Joint Commissioner / Executive Officer, Arulmighu Meenakshi Sundareswarar Temple, Madurai from the date of issue of the order, to quarry the remaining quantity of 2753 Cu.m of dimensional stone to a depth of 16 meter for renovation work of Veera Vasantharayar Mandapam, Arulmighu Meenakshi Sundareswarar Temple.
3. Based on that the PP has applied for validity extension for one more year in Environmental Clearance issued.

This proposal has placed in 295th SEAC meeting held on 15.7.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of extension for Environmental Clearance upto 5.5.2023 subject to the following conditions.

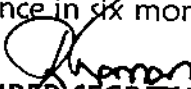
1. The production for the period of one year is 2753 Cu.m of Granite to the ultimate depth of 16m.
2. The Conditions as stipulated in Environmental Clearance vide Lr.No. SEIAA-TN/F.No.7385/1(a)/EC.N). 4189/2020 Dt. 18.5.2020 & Environmental Clearance (Amendment) vide Lr.No. SEIAA-TN/F.No.7385/1(a)/EC.No. 4189/2020/A Dt. 30.10.2021 are remains unaltered.


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ANNEXURE - I

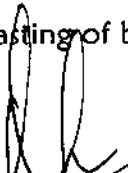
1. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
2. The proponent shall erect fencing all around the boundary of the 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.
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.


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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, Tamil Nadu .
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 espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
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

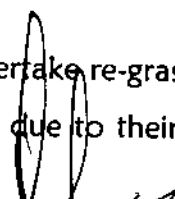

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shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project proponent shall provide required number of the security sentries for 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 50m 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


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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 Tamil Nadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
23. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD(Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
24. The Project proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project proponent liable for legal action in accordance with Environment and Mining Laws.
25. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
26. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
27. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road if applicable, about the project as per Appendix -II of these minutes.


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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>Adenanthura pavonina</i>	Manjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமர
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon swietenia</i>	Purasanaram	புரச மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூளி
18	<i>Creteva adansonii</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro ebenum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amphissima</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்பூங்க
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
27	<i>Lannea coromandelica</i>	Odhiam	ஓதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinos</i>	Pisupattai	பிசுப்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழமரம்
35	<i>Mitragyna parvifolia</i>	Kadambru	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	எச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்


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40	<i>Premna mollissima</i>	Munnai	முள்ளை
41	<i>Premna serratifolia</i>	Narumunnai	தரு முள்ளை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை புவரசு
43	<i>Prosopis cinerea</i>	Vanru maram	வள்ளி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Verunangu, Tada	வெண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjiva roxburghii</i>	Karpala	கறிபாலா
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	வெண் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	புவரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்கரா
60	<i>Wrightia tinctoria</i>	Veppalai	வெப்பாலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்புளி


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Appendix-II
Display Board
(Size 6' x5' with Blue Background and White Letters)

-----சுரங்கம்

சுரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/-----, தேதியிடப்பட்டு, சுற்றுச்சூழல் அனுமதி _____ தேதி வரை செல்லத்தக்கதாக உள்ளது.

பசுமை பகுதி வளர்ச்சி மேம்பாட்டுக்கான சுரங்கத் திட்டம்	குவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்.
நடப்பட்டு பராமரிக்கப்படவேண்டிய மரங்கள் எண்ணிக்கை:	சுரங்கப்பாதையின் ஆழம் தளமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். காற்றில் மாக ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும். வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இரைச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லையை சுற்றி அடர்த்தியான பசுமை பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்.	
சுரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டெசிபல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
சுரங்க சட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு சுகாதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வழியாக வாகனங்கள் செல்லும் சாலைகளை தொடர்ந்து தன்கு பராமரிக்க வேண்டும்.	
சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பசுமைப்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ் (http://parivesh.nic.in) என்கிற இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.	

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