

MINUTES

580th MEETING

**STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY-TAMIL NADU**

Date: 21.12.2022

MINUTES OF THE 580th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY HELD ON 21.12.2022.

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 579 th meeting of the Authority held on 19.12.2022 & 20.12.2022.		The minutes of the 579 th meeting of the Authority held on 19.12.2022 & 20.12.2022 was confirmed.
b)	The Action taken on the decisions of the 579 th meeting of the Authority held on 19.12.2022 & 20.12.2022.		The Member Secretary informed that 579 th Minutes uploaded in Parivesh wesbsite and action taken report will be putup ensuing meeting.
1.	Existing Black Granite quarry lease over an extent of 35.99.0 Ha at S.F.No: 412 (P) at Sinjalanatham Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited- For Environmental Clearance.	1107	The authority noted that this proposal was placed in the 335 th meeting of SEAC held on 06.12.2022 and the SEAC decided to defer the proposal since the project proponant requested time to furnish certain details sought by the Committee vide minutes of 291 st SEAC meeting held on 1.7.2022 & the vide minutes of 536 th Authority meeting held on 21.10.2020 & 22.10.2020. In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponant held on 06.12.2022
2.	Existing Information Technology Park at SF.No. 1148/2, 1148/3 & 1147/11 Mylapore Village, Mylapore Taluk, Chennai District Tamil Nadu by M/s A. R Foundation Pvt Ltd for	2716	Along with the remarks reived from the SEAC. After detailed discussion, The Authority requested the Member Secretary, SEIAA-TN to communicate the SEAC minutes to the PP.


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	Environmental Clearance under violation		
3.	<p>Proposed Rough stone Quarry over an Extent of 1.00.0Ha located at S.F. No. 328/2 Block-33 of Kalpadi North Village, Perambalur Taluk, Perambalur District, Tamil Nadu by Thiru.P. Sivakumar - for Extension of validity for the Terms of References "Under Violation".</p>	4241	<p>The Authority after detailed discussion accepts the recommendation of 335th meeting of SEAC held on 06.12.2022 and the Authority has decided to grant Extension of validity for Terms of Reference (ToR) under violation with public hearing issued vide SEIAA. Lr. No. SEIAA-TN/F.No.4241/ToR-437/2018, dated: 30.05.2018 (Deemed to be) valid up to 29.05.2023 subject to the additional specific ToRs as follows,</p> <ol style="list-style-type: none"> 1. The Project proponent shall conduct and furnish Minutes of Public hearing as per ToR issued Dt: 30.05.2018 & 30.10.2021. Accordingly, the PP shall submit revised EIA/EMP. 2. Copy of valid mining lease approval obtained from the competent Authority. 3. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date. 4. Copy of request letter submitted to the competent authority (Dept. of Geology and Mining / IBM) for renewal of review of scheme of mining plan. 5. Copy of approved review of scheme of mining plan by the competent


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		<p>authority (Dept. of Geology and Mining / IBM).</p> <p>6. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and copy of total penalty levied by the AD/DD, Dept of Geology and Mining copy of remittance of total penalty by PP.</p> <p>7. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.</p> <p>8. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.</p> <p>9. The project proponent shall submit details of case filed against the project proponent under Section 19 of the Environment (Protection) Act, 1986.</p> <p>10. The quarry involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished.</p>
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		<ol style="list-style-type: none"> 11. What are the green mining technologies to be adopted for reducing GHG/CO₂ emissions and lowering the carbon footprint in the limestone mining. 12. Strategies adopted for safety and healthy mining operations. 13. What are the transparency and accountability system in place during the operation and post-operation period of the project. 14. What are the In-House environmental performance and evaluation tools to understand negative impacts of mining. 15. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production. 16. Through a chart Illustration, clarify the cradle to grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage. 17. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts. 18. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed
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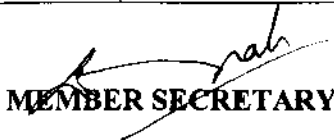
			<p>terrestrial toxicity and their impacts of wildlife and biodiversity.</p> <p>19. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>20. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health.</p>
4.	Proposed Multi - colour Granite Quarry over an Extent of 1.02.0 Ha located at S.F. No.54 (Part), Devannagoundanur Village, Sankari Taluk, Salem District, Tamil Nadu by M/s. Blue Horse Granites - for Extension of validity for the Terms of References "Under Violation".	4416	<p>The Authority after detailed discussion accepts the recommendation of 335th meeting of SEAC held on 06.12.2022 and the Authority has decided to grant Extension of validity for Terms of Reference (ToR) under violation with public hearing issued vide SEIAA. Lr. No. SEIAA-TN/F.No.4416/ToR-528/2018, dated: 30.07.2018 (Deemed to be) valid up to 29.07.2023 subject to the additional specific ToRs as follows,</p> <ol style="list-style-type: none"> 1. The Project proponent shall conduct and furnish Minutes of Public hearing as per ToR issued Dt: 30.07.2018. Accordingly, the PP shall submit revised EIA/EMP. 2. Copy of valid mining lease approval obtained from the competent Authority. 3. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date. 4. Copy of request letter submitted to

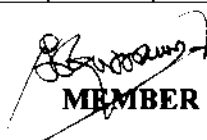

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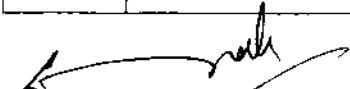
		<p>the competent authority (Dept. of Geology and Mining / IBM) for renewal of review of scheme of mining plan.</p> <ol style="list-style-type: none"> 5. Copy of approved review of scheme of mining plan by the competent authority (Dept. of Geology and Mining / IBM). 6. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and copy of total penalty levied by the AD/DD, Dept of Geology and Mining copy of remittance of total penalty by PP. 7. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site. 8. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site. 9. The project proponent shall submit details of case filed against the project proponent under Section 19 of the Environment (Protection) Act, 1986. 10. The quarry involves raw material extraction, transportation and
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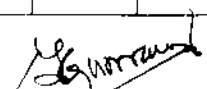

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		<p>comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished.</p> <ol style="list-style-type: none"> 11. What are the green mining technologies to be adopted for reducing GHG/CO₂ emissions and lowering the carbon footprint in the limestone mining. 12. Strategies adopted for safety and healthy mining operations. 13. What are the transparency and accountability system in place during the operation and post-operation period of the project. 14. What are the In-House environmental performance and evaluation tools to understand negative impacts of mining. 15. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production. 16. Through a chart illustration, clarify the cradle to grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage. 17. Project Proponent to study impacts on human health viz respiratory
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			<p>impacts, toxicity impacts and radiation impacts.</p> <p>18. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed terrestrial toxicity and their impacts of wildlife and biodiversity.</p> <p>19. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>20. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health.</p>
5.	Proposed Rough Stone quarry lease area over an extent of 1.25.0 Ha at S.F No 629(west), Aniyappur Village, Marapparai Taluk, Trichirappalli District by Thiru.P. Xavier (legal heir of late Thiru.A.Pitchamuthu)-For Environmental Clearance.	4786	<p>The authority noted that the subject was appraised in 335th SEAC meeting held on 06.12.2022. During the meeting, the proponent requested to give some additional time to submit the particulars. Hence, SEAC after discussions has decided to defer the proposal.</p> <p>In view of this, the Authority decided to request the Member Secretary, SEIAA to communicate the minutes of 335th SEAC meeting to the project proponent.</p>
6.	Existing Black Granite Quarry over an extent of 1.51.0 Ha at S.F. Nos. 414/3(P), 441/6B(P), 441/8(P) Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, by M/s. Suganya Granites for Extension of validity	5177	<p>The authority noted that the subject was appraised in 335th SEAC meeting held on 06.12.2022.</p> <p>The Authority after detailed deliberation has decided to grant Extension of validity for Terms of Reference (ToR) issued vide SEIAA. Lr. No. SEIAA-TN/F.No. 5177/ToR-537/2018/ dated 30.07.2018 (Decmed to be)</p>


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	<p>for the Terms of References "Under Violation".</p>	<p>valid upto 29.07.2023 subject to the additional specific ToRs as follows</p> <ol style="list-style-type: none"> 1. The project proponent shall submit valid mining lease and scheme of mining plan obtained from the competent authority. 2. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and the copy of remittance of fine levied for the same from the concerned AD/DD, Geology & Mining Dept. 3. The project proponent shall submit details of case filed against the project proponent under Section 19 of the Environment (Protection) Act, 1986. 4. The quarry activity involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished. 5. What are the green mining technologies to be adopted for reducing GHG/CO₂ emissions and lowering the carbon footprint. 6. Strategies adopted for safety and healthy mining operations.
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		<ol style="list-style-type: none"> 7. What are the transparency and accountability system in place during the operation and post-operation period of the project. 8. What are the In-House environmental performance and evolution tools to understand negative impacts of mining. 9. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production. 10. Through a chart Illustration, clarify the cradle to grave approach for extraction of mineral and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage. 11. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts. 12. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed terrestrial toxicity and their impacts of wildlife and biodiversity. 13. What is the total water withdrawal consumption, likely temperature rises and climate change impacts. 14. What are the chemical exposures in the mining and risks anticipated to environmental and human health.
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7.	Existing Muti-Coloured Granite Quarry over an extent of 1.01.5 Ha at S.F. Nos. 477/1 (P) Agalakottai Village, Denkanikottai Taluk, Krishnagiri District, by Thiru. P.K. Pounraj for Extension of validity for the Terms of References "Under Violation".	5184	<p>The authority noted that the subject was appraised in 335th SEAC meeting held on 06.12.2022.</p> <p>The Authority after detailed deliberation has decided to grant Extension of validity for Terms of Reference (ToR) issued vide SEIAA. Lr. No. SEIAA-TN/F.No. 5184/TOR-345/2018 Dated: 14.05.2018 (Deemed to be) valid upto 13.05.2023 subject to the additional specific ToRs as follows</p> <ol style="list-style-type: none"> 1. The project proponent shall submit valid mining lease and scheme of mining plan obtained from the competent authority. 2. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and the copy of remittance of fine levied for the same from the concerned AD/DD, Geology & Mining Dept. 3. The project proponent shall submit details of case filed against the project proponent under Section 19 of the Environment (Protection) Act, 1986. 4. The quarry activity involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and
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		<p>electricity to be consumed to be furnished.</p> <ol style="list-style-type: none"> 5. What are the green mining technologies to be adopted for reducing GHG/Co₂ emissions and lowering the carbon footprint. 6. Strategies adopted for safety and healthy mining operations. 7. What are the transparency and accountability system in place during the operation and post-operation period of the project. 8. What are the In-House environmental performance and evolution tools to understand negative impacts of mining. 9. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production. 10. Through a chart Illustration, clarify the cradle to grave approach for extraction of mineral and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage. 11. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts. 12. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed terrestrial toxicity and their impacts of wildlife and biodiversity.
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			<p>13. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>14. What are the chemical exposures in the mining and risks anticipated to environmental and human health</p>
8.	Proposed Multi Coloured Granite quarry over an extent of 2.55.5 Ha in S. F No. 408/2B and 408/3B at Vendurayapuram Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu by Tvl. Magna Stones Private Limited - for Terms of Reference Under Violation.	5270	<p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) with Public Hearing under violation category for the period 3 years for undertaking EIA study followed by the EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants subject to the conditions as recommended by SEAC & normal/ Standard conditions in addition to the following conditions and conditions stated therein vide Annexure 'B'.</p> <ol style="list-style-type: none"> 1. The project proponent shall prepare mine closure plan considering mineable quantity of Topsoil, Weathered rock & mineral reject/waste. If any. 2. Copy of valid mining lease approval obtained from the competent Authority. 3. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on


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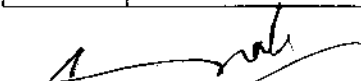
			<p>date.</p> <p>4. Copy of request letter submitted to the competent authority (Dept. of Geology and Mining / IBM) for renewal of review of scheme of mining plan.</p> <p>5. Copy of approved review of scheme of mining plan by the competent authority (Dept. of Geology and Mining / IBM).</p> <p>6. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and copy of total penalty levied by the AD/DD, Dept of Geology and Mining and copy of remittance of total penalty by PP.</p> <p>7. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.</p> <p>8. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.</p>
9.	Existing Black granite Lease over an extent of 4.62.0 Ha at S.F.No. 98/1A,1B, 1C, 2A, 2B, 2C, 2D,	5271	SEAC has furnished its recommendations to the Authority for granting extension of validity of the Terms of Reference issued to

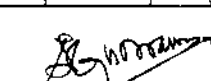

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<p>2E, 2F(p), 3A1, 3A2, 3B, 4A1, 4A2, 265/3, 4A, 4B, 4C, & 265/4D Panchapalli Village, Palcode Taluk, Dharmapuri District Tamil Nadu by Thiru C. Sathiush Kumar for Extension of validity for the Terms of References "Under Violation".</p>	<p>the Project subject to the conditions stated therein. After detailed discussion, The Authority accepted the recommendation of 335th SEAC minutes held on 6.12.2022 with a validity of the ToR issued is valid up to 13.05.2023 as per the MoEF Notification dated 18.01.2021.</p> <p>Therefore, the project proponent is requested to submit Public Hearing minutes, EIA/EMP report along with required details on the following,</p> <ol style="list-style-type: none"> I. facets of violation, II. assessment of ecological damage, remediation plan and natural and community resource augmentation plan which shall be prepared as an independent chapter in the environment impact assessment report. III. The compliance report on the violation ToR issued earlier. <p>Along with this, additionally the Project Proponent will study in detail the following:</p> <ol style="list-style-type: none"> 1. The Granite quarry involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished. 2. What are the green mining technologies to be adopted for
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			<p>reducing GHG/Co2 emissions and lowering the carbon footprint in the limestone mining.</p> <ol style="list-style-type: none"> 3. Strategies adopted for safety and healthy mining operations. 4. What are the transparency and accountability system in place during the operation and post-operation period of the project. 5. What are the In-House environmental performance and evaluation tools to understand negative impacts of mining. 6. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production. 7. Through a chart Illustration, clarify the cradle to grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage. 8. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts. 9. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed terrestrial toxicity and their impacts of wildlife and biodiversity.
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			<p>10. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>11. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health</p>
10.	Existing Quartz & Feldspar quarry over an extent 3.01.5Ha at S.F.No.407/1-1, 455/2, 455/8, 455/9, 455/10, 455/12, 455/13 & 455/14 of Elurpatti Village, Thottiyam Taluk, Tiruchirappalli District, Tamil Nadu by Tmt. I. Mani for Extension of validity for the Terms of References "Under Violation".	5720	<p>The Authority after detailed discussion accepts the recommendation of 335th meeting of SEAC held on 06.12.2022 and the Authority has decided to grant Extension of validity for Terms of Reference (ToR) with public hearing issued vide SEIAA. Lr. No.SEIAA-TN/F.No.5720/ToR-337/2018, dated: 11.05.2018 (Deemed to be) valid up to 10.05.2023 subject to the additional specific ToRs as follows</p> <ol style="list-style-type: none"> 1. The Project proponent shall conduct and furnish Minutes of Public hearing as per ToR issued Dt: 18.05.2018 & 30.07.2018. Accordingly, the PP shall submit revised EIA/EMP. 2. Copy of valid mining lease approval obtained from the competent Authority. 3. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date. 4. Copy of request letter submitted to the competent authority (Dept. of Geology and Mining / IBM) for renewal of review of scheme of

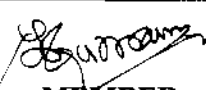

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		<p>mining plan.</p> <ol style="list-style-type: none"> 5. Copy of approved review of scheme of mining plan by the competent authority (Dept. of Geology and Mining / IBM). 6. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and copy of total penalty levied by the AD/DD, Dept of Geology and Mining, Villupuram District and copy of remittance of total penalty by PP. 7. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site. 8. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site. 9. The project proponent shall submit details of case filed against the project proponent under Section 19 of the Environment (Protection) Act, 1986. 10. The limestone quarry involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are
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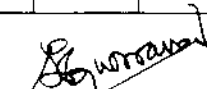

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		<p>supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished.</p> <ol style="list-style-type: none"> 11. What are the green mining technologies to be adopted for reducing GHG/CO₂ emissions and lowering the carbon footprint in the limestone mining. 12. Strategies adopted for safety and healthy mining operations. 13. What are the transparency and accountability system in place during the operation and post-operation period of the project. 14. What are the In-House environmental performance and evaluation tools to understand negative impacts of mining. 15. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production. 16. Through a chart illustration, clarify the cradle to grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage. 17. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts.
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			<p>18. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed terrestrial toxicity and their impacts of wildlife and biodiversity.</p> <p>19. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>20. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health.</p>
11.	Existing Multi- Coloured Granite quarry over an Extent of 1.19.0Ha at S.F.No. 454/3 (Part) at Pudukkottai Village of Manapparai Taluk, Tiruchirappalli District, Tamilnadu by Mrs. Farhadeeba for the Terms of References "Under Violation".	5762	<p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) with Public Hearing under violation category for the period 3 years for undertaking EIA study followed by the EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants subject to the conditions as recommended by SEAC & normal/ Standard conditions in addition to the following conditions and conditions stated therein vide Annexure 'B'.</p> <p>9. The project proponent shall prepare mine closure plan considering mineable quantity of Topsoil, Weathered rock & mineral reject/waste. If any.</p> <p>10. Copy of valid mining lease approval</p>


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		<p>obtained from the competent Authority.</p> <p>11. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date.</p> <p>12. Copy of request letter submitted to the competent authority (Dept. of Geology and Mining / IBM) for renewal of review of scheme of mining plan.</p> <p>13. Copy of approved review of scheme of mining plan by the competent authority (Dept. of Geology and Mining / IBM).</p> <p>14. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and copy of total penalty levied by the AD/DD, Dept of Geology and Mining, Tiruchirappalli District and copy of remittance of total penalty by PP.</p> <p>15. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.</p> <p>16. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger</p>
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			reserve etc., up to a radius of 25 km from the proposed site.
12.	Proposed Multi-coloured Granite quarry over an extent of 1.20.0 Ha at S.F.No. 353/2Bof Adaichani Village, Ambasamudram Taluk, Tirunelveli District, Tamil Nadu by Tvl. Chanthraa Granites- For Environmental Clearance.	6031	<p>The authority noted that the subject was appraised in 335th SEAC meeting held on 06.12.2022.</p> <p>Earlier the proposal was placed in 253rd SEAC meeting held on 11.03.2022 held on 11.3.2021. Based on the presentation made by the proponent and the documents furnished, SEAC noted that Kalakkad Mundanthurai Tiger Reserve is located within 10 Km from the project site and its final notification of Eco sensitive zone yet to be notified. The proponent therefore should submit NBWL clearance, after which the proposal will be taken up for appraisal.”</p> <p>Now, this proposal again been placed in 335th SEAC meeting held on 06.12.2022. Based on the presentation made by the proponent, SEAC decided to call for additional details</p> <ol style="list-style-type: none"> 1. The Kalakand Mundanthurai Tiger reserve is located within 10 Km from the project site and its final notification of Eco sensitive zone yet to be notified. The proponent therefore should submit NBWL clearance, after which the proposal will be taken up for appraisal. Hence, NBWL clearance shall be obtained. 2. The Scheme of Mining as a part of the Approved Mining Plan approved by


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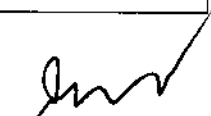

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			<p>the competent authority shall be submitted.</p> <p>3. EIA report shall be uploaded in the Parivesh Portal.</p> <p>On receipt of the aforesaid details, the proposal will be considered for further deliberations.</p> <p>In the view of the above, SEIAA decided to request Member Secretary to communicate the minutes to the project proponent.</p>
13.	Existing Quartz & Feldspar quarry over an extent of 1.71.5Ha at S.F.Nos: 356/2A, 356/2B (Part) of Pachapalayam Village, Kangeyam Taluk and Tiruppur District, Tamil Nadu by M/s. M.F.Traders for the Terms of References "Under Violation".	6042	<p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) with Public Hearing under violation category for the period 3 years for undertaking EIA study followed by the EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants subject to the conditions as recommended by SEAC & normal/ Standard conditions in addition to the following conditions and conditions stated therein vide Annexure 'B'.</p> <ol style="list-style-type: none"> 1. The project proponent shall prepare mine closure plan considering mineable quantity of Topsoil, Weathered rock & mineral reject/waste. If any. 2. Copy of valid mining lease approval obtained from the competent


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		<p>Authority.</p> <ol style="list-style-type: none"> 3. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date. 4. Copy of request letter submitted to the competent authority (Dept. of Geology and Mining / IBM) for renewal of review of scheme of mining plan. 5. Copy of approved review of scheme of mining plan by the competent authority (Dept. of Geology and Mining / IBM). 6. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and copy of total penalty levied by the AD/DD, Dept of Geology and Mining, Tiruppur District and copy of remittance of total penalty by PP. 7. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site. 8. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger
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			reserve etc., up to a radius of 25 km from the proposed site.
14.	Existing Black Granite Quarry over an extent of 2.59.0 Ha at S.F.Nos of 49 & 50/3B, Kodyalam village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Thiru. E. C. Senniappan for Extension of validity for the Terms of References "Under Violation".	6112	<p>The Authority after detailed discussion accepts the recommendation of 335th meeting of SEAC held on 06.12.2022 and the Authority has decided to grant Extension of validity for Terms of Reference (ToR) with public hearing issued vide SEIAA. Lr No.SEIAA-TN/F.No.6112/TOR-474/2018, Dated: 07.06.2018 (Deemed to be) valid up to 06.06.2023 subject to the additional specific ToRs as follows</p> <ol style="list-style-type: none"> 1. The Project proponent shall conduct and furnish Minutes of Public hearing as per ToR issued Dt: 18.05.2018 & 30.07.2018. Accordingly, the PP shall submit revised EIA/EMP. 2. Copy of valid mining lease approval obtained from the competent Authority. 3. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date. 4. Copy of request letter submitted to the competent authority (Dept. of Geology and Mining / IBM) for renewal of review of scheme of mining plan. 5. Copy of approved review of scheme of mining plan by the competent authority (Dept. of Geology and


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		<p>Mining / IBM).</p> <ol style="list-style-type: none"> 6. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and copy of total penalty levied by the AD/DD, Dept of Geology and Mining, Krishnagiri District and copy of remittance of total penalty by PP. 7. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site. 8. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site. 9. The project proponent shall submit details of case filed against the project proponent under Section 19 of the Environment (Protection) Act, 1986. 10. The limestone quarry involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished.
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		<ol style="list-style-type: none"> 11. What are the green mining technologies to be adopted for reducing GHG/CO₂ emissions and lowering the carbon footprint in the limestone mining. 12. Strategies adopted for safety and healthy mining operations. 13. What are the transparency and accountability system in place during the operation and post-operation period of the project. 14. What are the In-House environmental performance and evaluation tools to understand negative impacts of mining. 15. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production. 16. Through a chart Illustration, clarify the cradle to grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage. 17. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts. 18. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed
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			<p>terrestrial toxicity and their impacts of wildlife and biodiversity.</p> <p>19. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>20. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health.</p>
15.	Existing Grey Granite quarry lease over an extent of 1.21.5 Ha in S.F.No: 387/3, Agalakottai Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by M/s. Sakthi Granites - For Terms of Reference under Violation.	6120	<p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) under violation category for the period 3 years for undertaking EIA study followed by the EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants subject to the conditions as recommended by SEAC & normal/ Standard conditions in addition to the following conditions and conditions stated therein vide Annexure 'B'.</p> <ol style="list-style-type: none"> 1. The project proponent shall prepare mine closure plan considering mineable quantity of Topsoil, Weathered rock & mineral reject/waste. If any. 2. Copy of valid mining lease approval obtained from the competent Authority. 3. Letter stating that the quarry lease deed has not been cancelled or


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		<p>terminated and is subsisting as on date.</p> <ol style="list-style-type: none"> 4. Copy of request letter submitted to the competent authority (Dept. of Geology and Mining / IBM) for renewal of review of scheme of mining plan. 5. Copy of approved review of scheme of mining plan by the competent authority (Dept. of Geology and Mining / IBM). 6. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and copy of total penalty levied by the AD/DD, Dept of Geology and Mining, Tiruchirappalli District and copy of remittance of total penalty by PP. 7. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site. 8. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
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16.	Existing Black Granite Quarry over an extent of 1.05.5 Ha at S.F. No. 196/1C1B, 1C2, 1D, 1E, 1F, 1I1A, 1I1B, 5A1 & 196/5A2 in Kaduvanur Village, Sankarapuram Taluk, Villupuram District, by Tmt. J. Hajeera Banu for Extension of validity of the Terms of Reference issued under "Violation"	6135	<p>The Authority noted that the subject was placed in the 335th Meeting of SEAC held on 06.12.2022. The SEAC has confirmed that the ToR issued is valid up to 06.08.2023 as per the aforesaid MoEF Notification dated, 18.01.2021. The project proponent is requested to submit EC application, Public Hearing minutes, EIA/EMP report along with required details during the EIA appraisal on the following:</p> <ol style="list-style-type: none"> 1. The PP shall furnish the DFO letter stating the proximity distance of nearest RFWLS & Tiger reserve etc., 2. The PP shall upload the KML file in PARIVESH. <p>The Authority, after detailed deliberations accepted the aforesaid recommendations of the SEAC and decided to grant extension of ToR under violation category for the period up to 06.08.2023. subject to the ToR as recommended by the SEAC in addition to the following ToR:</p> <ol style="list-style-type: none"> 15. The proponent shall furnish the DFO letter stating the proximity distance of nearest RF, WLS & Tiger reserve etc. 16. The project proponent shall submit valid mining lease and scheme of mining plan obtained from the competent authority. 17. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within
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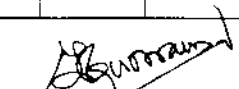

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		<p>the proposed mining area and the copy of remittance of fine levied for the same from the concerned AD/DD, Geology & Mining Dept.</p> <p>18. The project proponent shall submit details of case filed against the project proponent under Section 19 of the Environment (Protection) Act, 1986.</p> <p>19. The limestone quarry involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished.</p> <p>20. What are the green mining technologies to be adopted for reducing GHG/CO₂ emissions and lowering the carbon footprint in the limestone mining.</p> <p>21. Strategies adopted for safety and healthy mining operations.</p> <p>22. What are the transparency and accountability system in place during the operation and post-operation period of the project.</p> <p>23. What are the In-House environmental performance and evaluation tools to understand negative impacts of mining.</p> <p>24. Detailed study to be made on material flow analysis and Life Cycle</p>
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			<p>Assessment (LCA) in the process of production.</p> <p>25. Through a chart Illustration, clarify the cradle to grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage.</p> <p>26. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts.</p> <p>27. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed terrestrial toxicity and their impacts of wildlife and biodiversity.</p> <p>28. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>29. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health.</p> <p>All other conditions imposed in ToR Letter Lr No.SEIAA-TN/F.No.6135/TOR- 564/2018 Dated: 07.08.2018 remains unaltered.</p>
17.	Existing Multi Colour granite Lease over an extent of 4.57.0 Ha at S.F.No. 194/1B, 194/1C, 194/3A, 194/3B(P), 195/1A2 and 195/1B, Chendrapalli Village, Krishnagiri Taluk, Krishnagiri	6202	SEAC has furnished its recommendations to the Authority for granting extension of validity of the Terms of Reference issued to the Project subject to the conditions stated therein. After detailed discussion, The Authority accepted the recommendation of


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	<p>District, Tamil Nadu by Tmt. P. Kalyani for Extension of validity for the Terms of References "Under Violation".</p>	<p>335th SEAC minutes held on 6.12.2022 with a validity of the ToR issued is valid up to 07.06.2023 as per the MoEF Notification dated 18.01.2021.</p> <p>Therefore, the project proponent is requested to submit Public Hearing minutes, EIA/EMP report along with required details on the following,</p> <ol style="list-style-type: none"> I. facets of violation, II. assessment of ecological damage, remediation plan and natural and community resource augmentation plan which shall be prepared as an independent chapter in the environment impact assessment report. III. The compliance report on the violation ToR issued earlier. <p>Along with this, additionally the Project Proponent will study in detail the following:</p> <ol style="list-style-type: none"> 1. The Granite quarry involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished. 2. What are the green mining technologies to be adopted for reducing GHG/Co2 emissions and
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		<p>lowering the carbon footprint in the limestone mining.</p> <ol style="list-style-type: none"> 3. Strategies adopted for safety and healthy mining operations. 4. What are the transparency and accountability system in place during the operation and post-operation period of the project. 5. What are the In-House environmental performance and evaluation tools to understand negative impacts of mining. 6. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production. 7. Through a chart Illustration, clarify the cradle to grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage. 8. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts. 9. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed terrestrial toxicity and their impacts of wildlife and biodiversity.
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			<p>10. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>11. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health.</p>
18.	Existing Black Granite Quarry over an extent of 1.20.0 Ha at S.F. Nos. 1/6, 2/1, 2/2A, 2/3B1 & 2/3B2 at Semangalam Village, Vanur Taluk, Villupuram District, Tamil Nadu by M/s. Karthik Raja Exports, for Environmental Clearance "Under Violation".	6217	<p>The authority noted that this proposal was placed in the 335th meeting of SEAC held on 06.12.2022 and the SEAC decided to make site inspection by the sub-committee to be constituted by the SEAC to assess the present status of the project and environmental settings as the proposal falls under violation category. Further the subcommittee will assess the ecological damage and to check the Remedial Plan & Community Augmentation Plan submitted by the PP during the inspection.</p> <p>The Project proponent shall furnish the following documents during the site inspection by the sub-committee.</p> <ol style="list-style-type: none"> 1. Copy of penalty claimed and copy of remittance of the total penalty levied by the AD/DD, Dept of Geology and Mining, Villupuram District. 2. Copy of approved review of scheme of mining plan by the competent authority of the Dept of Geology and Mining. 3. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on


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			<p>date.</p> <ol style="list-style-type: none"> 4. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site. 5. The PP shall produce details of public hearing conducted with reference to date of ToR issued. 6. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site. <p>On the receipt of the sub-committee report, further deliberation will be carried out in the forthcoming Committee Meeting. SEAC also decided to ask SEIAA to move the Government to initiate credible action under Sec. 19 of the Environment Act.</p> <p>In view of the above, the authority decided that after obtaining and based on the site inspection report from the sub-committee constituted by SEAC, Member Secretary, SEIAA shall write a letter to the Government to initiate credible action against the proponent under Sec. 19 of the Environment Act.</p>
19.	Existing Black Granite Quarry over an extent of 1.44.5 Ha at S.F. Nos. 1/10, 1/11, 1/13A, 1/13B, 1/14, 1/16, 2/1 & 2/2A at	6218	The authority noted that this proposal was placed for appraisal in this 335 th meeting of SEAC held on 06.12.2022 and SEAC decided to make site inspection by the sub-


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<p>Semangalam Village, Vanur Taluk, Villupuram District, Tamil Nadu by M/s. Karthik Raja Exports- for Environmental Clearance "Under Violation".</p>	<p>committee to be constituted by the SEAC to assess the present status of the project and environmental settings as the proposal falls under violation category. Further the subcommittee will assess the ecological damage and to check the Remedial Plan & Community Augmentation Plan submitted by the PP during the inspection.</p> <p>The PP shall furnish the following documents during the site inspection by the sub-committee</p> <ol style="list-style-type: none"> 1. Copy of penalty claimed and copy of remittance of the total penalty levied by the AD/DD, Dept of Geology and Mining, Villupuram District. 2. Copy of approved review of scheme of mining plan by the competent authority of the Dept of Geology and Mining. 3. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date. 4. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site. 5. The PP shall produce details of public hearing conducted with reference to date of ToR issued. 6. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger
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			<p>reserve etc., up to a radius of 25 km from the proposed site.</p> <p>On the receipt of the sub-committee report, further deliberation will be carried out in the Forthcoming Committee Meeting. SEAC also decided to ask SEIAA to move the Government to initiate credible action under Sec. 19 of the Environment Act.</p> <p>In view of this, the Authority decided that after obtaining and based on the site inspection report from the sub-committee constituted by SEAC, Member Secretary, SEIAA shall write a letter to the government to initiate credible action against the proponent under Sec. 19 of the Environment Act.</p>
20.	Existing Limestone Mine lease over an extent of 4.15.8 Ha Limestone Mine in S.F.No. 824/1B(P), 824/2(P), 824/3(P), 825/1B(P), 825/2B & 825/3B in Varavanai Village, Kadavur Taluk, Karur District, Tamil Nadu by Shri.N.Krishnamoorthy - For Environmental Clearance under Violation	6221	<p>The authority noted that the subject was appraised in 335th SEAC meeting held on 06.12.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to obtain the following additional particulars from the proponent:</p> <p>i) The PP shall furnish a letter from DFO on the proximity details of nearest RF and also the distance of Kadavur Slender Loris Sanctuary with respect to the proposed project site.</p> <p>Meanwhile, the SEAC decided to constitute a sub-committee to make on-site inspection to assess the present status of the proposed project, environmental settings and to assess ecological damage assessment,</p>


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			<p>remediation plan, natural resource augmentation and community resource augmentation. SEAC also decided to ask SEIAA to move the Government to initiate credible action under Sec. 19 of the Environment Act.</p> <p>In view of this, the Authority decided that after obtaining and based on the site inspection report from the sub-committee constituted by SEAC, Member Secretary, SEIAA shall write a letter to the government to initiate credible action against the proponent under Sec. 19 of the Environment Act.</p>
21.	Existing lime stone quarry over an extent of 5.05.0Ha in S.F.No. 249/5, 249/6 & 253/1B at Uthappanaickkanur Village, Usilampatti Taluk, Madurai District by Thiru.K.R.Karuppasamy— For Environment Clearance under Violation	6240	<p>The Authority noted that, the proposal was placed in the 335th meeting of SEAC held on 06.12.2022, SEAC decided obtain the following additional particulars from the proponent:</p> <ol style="list-style-type: none"> 1. PP shall ensure the online application is in complete shape and shall upload all the mandatory documents, EIA report, Public Hearing minutes, ToR compliance at once. 2. PP shall submit valid revised approved mine plan. 3. Exact area and survey numbers of the proposed project site & details of land given by the PP for the purpose of laying the road by the Govt., shall be furnished. 4. The PP shall obtain letter from DFO concerned about the proximity details


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			<p>of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.</p> <p>SEAC also decided to constitute a sub-committee to make on-site inspection to assess the present status of the proposed project, environmental settings and to assess ecological damage assessment, remediation plan, natural resource augmentation and community resource augmentation.</p> <p>After the receipt of the additional details from the proponent and the evaluation report by the Sub-committee, the SEAC will deliberate on the issue of Environmental Clearance under violation category.</p> <p>The Authority, decided to request the Member Secretary, SEIAA TN to communicate the SEAC minutes to the Proponent.</p>
22.	Existing Limestone mine Lease over an extent of 1.70.0 Ha at S.F.No.693/1,2,3,4 & 7, Sirugudi Village, Natham Taluk, Dindigul District, Tamil Nadu by M/s Sivam Mines for Extension of validity for the Terms of References "Under Violation".	6251	<p>SEAC has furnished its recommendations to the Authority for granting extension of validity of the Terms of Reference issued to the Project subject to the conditions stated therein. After detailed discussion, The Authority accepted the recommendation of 335th SEAC minutes held on 6.12.2022 with a validity of the ToR issued is valid up to 21.05.2023 as per the MoEF Notification dated 18.01.2021.</p> <p>Therefore, the project proponent is requested to submit Public Hearing minutes, EIA/EMP</p>


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		<p>report along with required details on the following,</p> <ol style="list-style-type: none"> I. facets of violation, II. assessment of ecological damage, remediation plan and natural and community resource augmentation plan which shall be prepared as an independent chapter in the environment impact assessment report. III. The compliance report on the violation ToR issued earlier. <p>Along with this, additionally the Project Proponent will study in detail the following:</p> <ol style="list-style-type: none"> 1. The limestone quarry involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished. 2. What are the green mining technologies to be adopted for reducing GHG/Co2 emissions and lowering the carbon footprint in the limestone mining. 3. Strategies adopted for safety and healthy mining operations. 4. What are the transparency and accountability system in place during
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		<p>the operation and post-operation period of the project.</p> <ol style="list-style-type: none"> 5. What are the In-House environmental performance and evaluation tools to understand negative impacts of mining. 6. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production. 7. Through a chart Illustration, clarify the cradle to grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage. 8. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts. 9. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed terrestrial toxicity and their impacts of wildlife and biodiversity. 10. What is the total water withdrawal consumption, likely temperature rises and climate change impacts. 11. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health
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23.	Existing Black Granite (Dolerite) quarry over an extent of 1.13.0 Ha at S.F. Nos. 1321/1A3, 1321/1B, 1321/2, 1321/3 & 1322/1B1, Mallankuzhi Village, Thalavadi Taluk (Formerly Sathyamangalam), Erode District, Tamil Nadu by M/s. H.J.S.Granite Pvt Ltd (Thiru. J. Nishar Pasha), for Extension of validity for the Terms of References "Under Violation".	6273	<p>The Authority after detailed discussion accepts the recommendation of 335th meeting of SEAC held on 06.12.2022 and the Authority has decided to grant Extension of validity for Terms of Reference (ToR) with public hearing issued vide SEIAA. Lr No.SEIAA-TN/F.No.6273/TOR- 512/2018 Dated: 01.07.2018 (Deemed to be) valid up to 30.06.2023 subject to the additional specific ToRs as follows</p> <ol style="list-style-type: none"> 1. The Project proponent shall conduct and furnish Minutes of Public hearing as per ToR issued Dt: 18.05.2018 & 30.07.2018. Accordingly, the PP shall submit revised EIA/EMP. 2. Copy of valid mining lease approval obtained from the competent Authority. 3. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date. 4. Copy of request letter submitted to the competent authority (Dept. of Geology and Mining / IBM) for renewal of review of scheme of mining plan. 5. Copy of approved review of scheme of mining plan by the competent authority (Dept. of Geology and Mining / IBM). 6. The project proponent shall submit excess mined out quantity during the
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		<p>violation period after 15.01.2016 along with details of existing pit within the proposed mining area and copy of total penalty levied by the AD/DD, Dept of Geology and Mining, Erode District and copy of remittance of total penalty by PP.</p> <p>7. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.</p> <p>8. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.</p> <p>9. The project proponent shall submit details of case filed against the project proponent under Section 19 of the Environment (Protection) Act, 1986.</p> <p>10. The limestone quarry involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished.</p> <p>11. What are the green mining technologies to be adopted for reducing GHG/CO₂ emissions and</p>
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			<p>lowering the carbon footprint in the limestone mining.</p> <p>12. Strategies adopted for safety and healthy mining operations.</p> <p>13. What are the transparency and accountability system in place during the operation and post-operation period of the project.</p> <p>14. What are the In-House environmental performance and evaluation tools to understand negative impacts of mining.</p> <p>15. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production.</p> <p>16. Through a chart Illustration, clarify the cradle to grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage.</p> <p>17. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts.</p> <p>18. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed terrestrial toxicity and their impacts of wildlife and biodiversity.</p>
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			<p>19. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>20. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health.</p>
24.	Existing Limestone mine Lease over an extent of 2.18.5 Ha at S.F.No.202/6A(P), 202/6B, 203/3, 4, 5J, 5K, 5L, 5M, 5N & 5O of Reddimangudi Village, Lalgudi Taluk, Tiruchirappalli District, Tamil Nadu by Thiru.S.Saravanan for Extension of validity for the Terms of References "Under Violation".	6277	<p>The Authority after detailed discussion accepts the recommendation of 335th SEAC meeting Dt: 06.12.2022 and the Authority has decided to grant Extension of validity for Terms of Reference (ToR) issued vide SEIAA. ToR under violation issued vide SEIAA Lr. No.SEIAA-TN/F.No.6277/ToR-533/2018, dated: 30.07.2018 (Deemed to be) valid up to 29.07.2023 subject to the additional specific ToRs as follows:</p> <ol style="list-style-type: none"> 1. The project proponent shall submit valid mining lease and scheme of mining plan obtained from the competent authority. 2. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and the copy of remittance of fine levied for the same from the concerned AD/DD, Geology & Mining Dept. 3. The project proponent shall submit details of case filed against the project proponent under Section 19 of the Environment (Protection) Act, 1986.

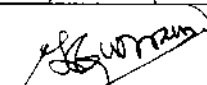

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		<ol style="list-style-type: none"> 4. The limestone quarry involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished. 5. What are the green mining technologies to be adopted for reducing GHG/CO₂ emissions and lowering the carbon footprint in limestone mining. 6. Strategies adopted for safety and healthy mining operations. 7. What are the transparency and accountability system in place during the operation and post-operation period of the project.? 8. What are the In-House environmental performance indicators and evaluation tools to understand the negative impacts of mining? 9. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production. 10. Through a chart Illustration, clarify the cradle-to-grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage, and mitigation strategy at every stage.
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			<p>11. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts.</p> <p>12. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed terrestrial toxicity and their impacts of wildlife and biodiversity.</p> <p>13. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>14. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health.</p>
25.	Existing Limestone mine Lease over an extent of 2.32.0 Ha at S.F.No.321/2A & 321/2B, Kaliyapatti Village, Kadvoor Taluk, Karur District, Tamil Nadu by Thiru. P. Nagarajan for Extension of validity for the Terms of References "Under Violation".	6286	<p>SEAC has furnished its recommendations to the Authority for granting extension of validity of the Terms of Reference issued to the Project subject to the conditions stated therein. After detailed discussion, The Authority accepted the recommendation of 335th SEAC minutes held on 6.12.2022 with a validity of the ToR issued is valid up to 10.05.2023 as per the MoEF Notification dated 18.01.2021.</p> <p>Therefore, the project proponent is requested to submit Public Hearing minutes, EIA/EMP report along with required details on the following,</p> <ol style="list-style-type: none"> I. facets of violation, II. assessment of ecological damage, remediation plan and natural and community resource



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			<p>augmentation plan which shall be prepared as an independent chapter in the environment impact assessment report.</p> <p>III. The compliance report on the violation ToR issued earlier.</p> <p>Along with this, additionally the Project Proponent will study in detail the following:</p> <ol style="list-style-type: none"> 1. The limestone quarry involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished. 2. What are the green mining technologies to be adopted for reducing GHG/Co2 emissions and lowering the carbon footprint in the limestone mining. 3. Strategies adopted for safety and healthy mining operations. 4. What are the transparency and accountability system in place during the operation and post-operation period of the project. 5. What are the In-House environmental performance and evaluation tools to understand negative impacts of mining. 6. Detailed study to be made on material flow analysis and Life Cycle
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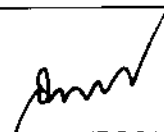

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			<p>Assessment (LCA) in the process of production.</p> <p>7. Through a chart Illustration, clarify the cradle to grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage.</p> <p>8. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts.</p> <p>9. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed terrestrial toxicity and their impacts of wildlife and biodiversity.</p> <p>10. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>11. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health</p>
26.	Existing Limestone Quarry over an Extent of 3.69.0Ha located at S.F.No.1351 (P) & 1353 (P), Karikali Village, Vedasandur Taluk, Dindigul District, Tamil Nadu by Thiru. J. Abbas for Extension of validity for the Terms of References "Under Violation".	6329	The Authority after detailed discussion accepts the recommendation of 335 th meeting of SEAC held on 06.12.2022 and the Authority has decided to grant Extension of validity for Terms of Reference (ToR) with public hearing issued vide SEIAA. Lr. No. SEIAA-TN/F.No.6329/ToR-334/2018/ dated 11.05.2018 (Deemed to be) valid up to 10.05.2023 subject to the additional specific

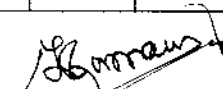

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		<p>ToRs as follows</p> <ol style="list-style-type: none"> 1. The Project proponent shall conduct and furnish Minutes of Public hearing as per ToR issued Dt: 18.05.2018 & 30.07.2018. Accordingly, the PP shall submit revised EIA/EMP. 2. Copy of valid mining lease approval obtained from the competent Authority. 3. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date. 4. Copy of request letter submitted to the competent authority (Dept. of Geology and Mining / IBM) for renewal of review of scheme of mining plan. 5. Copy of approved review of scheme of mining plan by the competent authority (Dept. of Geology and Mining / IBM). 6. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and copy of total penalty levied by the AD/DD, Dept of Geology and Mining, Dindigul District and copy of remittance of total penalty by PP. 7. Details of habitations around the proposed mining area and latest VAO
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		<p>certificate regarding the location of habitations within 300m radius from the periphery of the site.</p> <p>8. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.</p> <p>9. The project proponent shall submit details of case filed against the project proponent under Section 19 of the Environment (Protection) Act, 1986.</p> <p>10. The limestone quarry involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished.</p> <p>11. What are the green mining technologies to be adopted for reducing GHG/CO₂ emissions and lowering the carbon footprint in the limestone mining.</p> <p>12. Strategies adopted for safety and healthy mining operations.</p> <p>13. What are the transparency and accountability system in place during the operation and post-operation period of the project.</p> <p>14. What are the In-House environmental performance and evaluation tools to</p>
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			<p>understand negative impacts of mining.</p> <p>15. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production.</p> <p>16. Through a chart Illustration, clarify the cradle to grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage.</p> <p>17. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts.</p> <p>18. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed terrestrial toxicity and their impacts of wildlife and biodiversity.</p> <p>19. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>20. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health.</p>
27.	Existing Lime Stone Mine Lease over an extent of 3.36.0Ha at S.F. No.837/2A2 & 838/2A2 of Gudalur Village, Kulithalai Taluk, Karur District, by M/s. Sri	6331	The Authority noted that the subject was placed in the 335th Meeting of SEAC held on 06.12.2022. the SEAC after detailed discussions confirmed that the ToR issued is valid up to 29.10.2023 as per the aforesaid

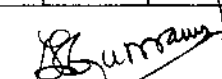

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<p>Mahamuni Mining Company for Extension of validity of the Terms of Reference issued under "Violation Category".</p>	<p>MoEF Notification dated 18.01.2021. Therefore, the project proponent is requested to submit EC application, Public Hearing minutes, EIA/EMP report along with required details during the EIA appraisal on the following:</p> <ol style="list-style-type: none"> 1. The PP shall furnish a letter from DFO on the proximity details of nearest RF and also the distance of Kadavur Slender Loris Sanctuary with respect to the proposed project site. 2. The project proponent is requested to submit Public Hearing minutes, EIA/EMP report along with required details on the following – (i) facets of violation, (ii) assessment of ecological damage, remediation plan and natural and community resource augmentation plan which shall be prepared as an independent chapter in the environment impact assessment. <p>The Authority, after detailed deliberations accepted the aforesaid recommendations of the SEAC and decided to grant extension of ToR under violation category for the period up to 29.10.2023. subject to the ToR as recommended by the SEAC in addition to the following ToR:</p> <ol style="list-style-type: none"> 1. The proponent shall furnish the DFO letter stating the proximity distance of nearest RF, WLS & Tiger reserve etc.
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		<ol style="list-style-type: none"> 2. The project proponent shall submit valid mining lease and scheme of mining plan obtained from the competent authority. 3. The project proponent shall submit excess mined out quantity during the violation period after 15.01.2016 along with details of existing pit within the proposed mining area and the copy of remittance of fine levied for the same from the concerned AD/DD, Geology & Mining Dept. 4. The project proponent shall submit details of case filed against the project proponent under Section 19 of the Environment (Protection) Act, 1986. 5. The limestone quarry involves raw material extraction, transportation and comminution. Therefore, large quantity of diesel and electricity are supposed to be consumed in the production. The diesel fuel and electricity to be consumed to be furnished. 6. What are the green mining technologies to be adopted for reducing GHG/CO₂ emissions and lowering the carbon footprint in the limestone mining. 7. Strategies adopted for safety and healthy mining operations. 8. What are the transparency and accountability system in place during
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		<p>the operation and post-operation period of the project.</p> <p>9. What are the In-House environmental performance and evaluation tools to understand negative impacts of mining.</p> <p>10. Detailed study to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production.</p> <p>11. Through a chart Illustration, clarify the cradle to grave approach for extraction of limestone and anticipated emissions, environmental threats in every stage and mitigation strategy at every stage.</p> <p>12. Project Proponent to study impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts.</p> <p>13. Study to be made on aquatic, terrestrial toxicity, aquatic eutrophication including detailed terrestrial toxicity and their impacts of wildlife and biodiversity.</p> <p>14. What is the total water withdrawal consumption, likely temperature rises and climate change impacts.</p> <p>15. What are the chemical exposures in the limestone mining and risks anticipated to environmental and human health.</p> <p>All other conditions imposed in ToR Letter Lr.No. SEIAA-TN/F.No. 6331/TOR-</p>
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			328/2018, dated: 11.05.2018 remains unaltered.
28.	Proposed Gravel and Red Soil Quarry lease over an Extent of 1.54.5Ha Ha of Patta lands in S.F.Nos. 265/1(P), 265/2, 265/3 at C.N.Palayam Village of Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru.V.Manikandan - For Environmental Clearance.	8410	<p>The Authority noted that,</p> <ol style="list-style-type: none"> 1. The proposal was appraised in the 313th meeting of SEAC held on 22.09.2022 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the Project subject to the conditions stated therein. 2. Subsequently the subject was placed in the 558th meeting of SEIAA held on 10.10.2022. The Authority after detailed discussion, decided to defer the proposal for want of additional details mentioned therein. 3. Proponent furnished the details as called for in the 558th meeting of SEIAA vide letter dated 23.11.2022. Hence, the subject was placed in the 580th meeting of the SEIAA and accepts the recommendations by 313th meeting of SEAC held on 22.09.2022 subject to the conditions stated therein. After detailed discussion, the Authority with reference to specific condition (1) of SEAC, SEIAA decided to grant Environmental Clearance as per the mine plan period for 2 year as approved by the Department of Geology & Mining subject to the standard conditions & other normal conditions stipulated by MOEF&CC in


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			<p>addition to the following conditions & Conditions stated vide Annexure 'A':</p> <ul style="list-style-type: none"> As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs.2.0 Lakh and the amount shall be spent for the activities committed during appraisal in SEAC before obtaining CTO from TNPCB.
29.	Proposed Environmental clearance for the Multi colour Granite quarry lease area over an extent of 2.58.0Ha at S.F.Nos:551/2(P), 551/3(P) & 551/4 of Sithalavai Village, Krishnarayapuram Taluk, Karur District, Tamil Nadu by Thiru.A.Irulappan	8536	<p>The Authority noted as follows:</p> <ol style="list-style-type: none"> The subject was placed in the 261st meeting of SEAC held on 07.04.2022. SEAC has furnished its recommendations to the Authority for granting Environmental Clearance to the Project subject to the conditions. The proposal was placed in the 506th meeting of SEIAA held on 10.05.2022. The Authority after details discussion, decided to defer the proposal for want of additional details. Proponent furnished the details as called for in the 506th meeting of SEIAA vide letter dated 23.11.2022. Hence, the proposal was placed in the 580th meeting of the SEIAA and accepts the recommendations by 261st meeting of SEAC held on 07.04.2022 subject to the conditions stated therein. After detailed


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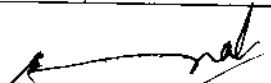
			<p>discussion, the Authority with reference to specific condition (1) of SEAC, SEIAA decided to grant Environmental Clearance as per the mine plan period for 5 year as approved by the Department of Geology & Mining subject to the standard conditions & other normal conditions stipulated by MOEF&CC in addition to the following conditions & Conditions stated vide Annexure 'A':</p> <ul style="list-style-type: none"> • As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs.10 Lakh and the amount shall be spent for the activities committed during appraisal in SEAC before obtaining CTO from TNPCB.
30.	Proposed Earth quarry project over an extent of 2.54.12Ha in S.F.Nos. 417(Part) of No.82 at Pamnapakkam Village, Uthukottai West Taluk, Thiruvallur District, Tamil Nadu by Thiru.M.Rajasekar- For Environmental Clearance.	8612	The Authority noted that this proposal was placed for appraisal in the 270 th meeting of SEAC held on 06.05.2022 and SEAC has furnished its recommendations to the Authority for the grant of Environmental Clearance subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the specific conditions stated therein. Subsequently, this proposal was placed in the 515 st Authority meeting held on 01.06.2022. The authority

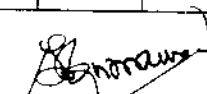

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		<p>after detailed discussion decided to call for the following details from the project proponent.</p> <ol style="list-style-type: none"> I) Details of tank last mined. II) Permission from wetland authority for the proposed activity. III) Details of impact on biodiversity of the said tank. <p>With reference to the above, the PP had submitted a reply for the additional particulars as sought by the Authority vide letter dated: 01.12.2022. After detailed discussion, SEIAA decided to grant Environmental Clearance for the quantity as per the mine plan for a period of 45 days approved by the Department of Geology & Mining subject to the conditions as recommended by SEAC in addition to the following conditions & conditions stated vide Annexure A.</p> <ol style="list-style-type: none"> 1. Restricting the ultimate depth of mining up to 0.9m BGL and quantity of 15,266 cu.m of Ordinary Earth (No excavation is permitted in the section XY-AB) are permitted for mining over a period of 45 days considering the environmental impacts due to the mining, safety precautionary measures of the working personnel and following the principle of the sustainable mining. 2. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project
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			proponent the revised CER cost is Rs. 50,000 and the amount shall be spent for the following activities for Government primary School, Panapakkam Village before obtaining CTO from TNPCB.
31.	Proposed multi colour granite quarry lease area over an extent of 2.00.5 Ha at S.F. 90/1,90/2, Devannagoundanur Village, Sankari Taluk, Salem District, Tamil Nadu by Thiru.P.Jayaraj - For Terms of Reference.	8360	The Authority noted that this proposal was placed for appraisal in the 286 th meeting of SEAC held on 17.06.2022 and SEAC has furnished its recommendations to the Authority for granting Terms of Reference along with Public Hearing for the project in addition to specific standard ToR notified by MoEF & CC. Subsequently, this proposal was placed in the 531 st Authority meeting held on 12.07.2022. The Authority noted that the proponent, Thiru. P. Jayaraj has earlier submitted application seeking EC under B2 Category (Online No.197639 on Parivesh portal) for the same project. During scrutiny it was found that the cluster area is above 5 Ha and thus the project falls under B1 category. Hence the proponent was requested to withdraw the afore said EC application and to apply a fresh for ToR. However, the Authority noted that the proponent is yet to withdraw the said EC application. Hence after detailed discussions, the Authority decided to request the Member Secretary, SEIAA TN to place the subject again before the Authority for consideration on receipt of the said withdraw letter from the proponent.


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			<p>With reference to the above, the PP has submitted a letter to withdraw the application submitted for direct EC under B2 Category vide Online application No. SIA/TN/MIN/197639/2021 dated: 10.02.2021 in Parivesh portal and the same was accepted by the SEIAA. Hence, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions in 'Annexure B' of this minute.</p>
32.	<p>Proposed expansion of Construction of Residential group development, High Rise & Non-High-Rise Group Development at S.No. 404/1, 404/2, 405, 406/1A, 406/1B, 406/ 2, 407/2A2, 407/2B2, 408/1A, 408/1B2, 408/2A, 408/2B2, 410/1A1, 410/1A2B, 410/ 2, 410/3, 410/4, 414/1, 414/ 2, 425/2B, 425/2C1, 425/2D1A, 425/2D2A, 425/2D2B, Padappai Village, Kundrathur Taluk, Kanchipuram District, Tamil Nadu by M/s. Casa Grande Civil Engineering Private</p>	9428	<p>Earlier, it was placed in 576th SEIAA meeting held on 7.12.2022. SEAC has furnished its recommendations to the Authority for granting Environmental Clearance to the Project subject to the conditions stated therein. After detailed discussion, SEIAA decided to obtain the following additional details from the PP.</p> <ol style="list-style-type: none"> 1. The NOC from the Airport authority of India, since it is a proposed high-Rise building. 2. The earmarked area for the Children's play area within the project site. 3. Details of Impact and mitigation measure to the Paddapai lake located in the vicinity of the project site.


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	Limited- For Environmental Clearance.		<p>4. Details of existing traffic analysis and impact on the existing traffic by this project</p> <p>On the receipt of the reply received from the PP it was again been placed in 580th SEIAA meeting held on 21.12.2022. After detailed discussion, SEIAA decided to refer back this proposal for getting specific remarks on the PP reply along with recommendation.</p>
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Annexure-‘A’

1. The AD/DD, Dept. of Geology & Mining shall ensure operation of the proposed quarry after the submission slope stability study conducted through the reputed research & Academic Institutions such as NIRM, IITs, NITS Anna University, and any CSIR Laboratories etc.
2. The AD/DD, Dept. of Geology & Mining & Director General of Mine safety shall ensure strict compliance and implementation of bench wise recommendations/action plans as recommended in the scientific slope stability study of the reputed research & Academic Institutions as a safety precautionary measure to avoid untoward accidents during mining operation.
3. No trees in the area should be removed and all the trees numbered and protected. In case trees fall within the proposed quarry site the trees may be transplanted in the Greenbelt zone. The proponent shall ensure that the activities in no way result in disturbance to forest and trees in vicinity. The proponent shall ensure that the activity does not disturb the movement of grazing animals and free ranging wildlife. The proponent shall ensure that the activity does not disturb the biodiversity, the flora & fauna in the ecosystem. The proponent shall ensure that the activity does not result in invasion by invasive alien species. The proponent shall ensure that the activities do not disturb the resident and migratory birds. The proponent shall ensure that the activities do not disturb the vegetation and wildlife in the adjoining reserve forests and areas around.
4. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.
5. The activity should not result in CO₂ release and temperature rise and add to micro climate alternations.
6. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and ground water, nor cause any pollution, to water sources in the area.


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7. The proponent shall ensure that the activities undertaken do not result in carbon emission, and temperature rise, in the area.
8. The proponent shall ensure that Monitoring is carried out with reference to the quantum of particulate matter during excavation; blasting; material transport and also from cutting waste dumps and haul roads.
9. The proponent shall ensure that the activities do not disturb the agro biodiversity and agro farms. Actions to be taken to promote agro forestry, mixed plants to support biodiversity conservation in the mine restoration effort.
10. The proponent shall ensure that activity does not deplete the indigenous soil seed bank and disturb the mycorrhizal fungi, soil organism, soil community nor result in eutrophication of soil and water.
11. The activities should not disturb the soil properties and seed and plant growth. Soil amendments as required to be carried out, to improve soil health
12. Bio remediation using microorganisms should be carried out to restore the soil environment to enable carbon sequestration.
13. The proponent shall ensure that all mitigation measures listed in the EIA/EMP are taken to protect the biodiversity and natural resources in the area.
14. The proponent shall ensure that the activities do not impact the water bodies/wells in the neighboring open wells and bore wells. The proponent shall ensure that the activities do not in any way affect the water quantity and quality in the open wells and bore wells in the vicinity or impact the water table and levels. The proponent shall ensure that the activities do not disturb the river flow, nor affect the Odai, Water bodies, Dams in the vicinity.
15. The proponent shall ensure that in the green belt development more indigenous trees species (Appendix as per the SEAC Minutes) to be planted.
16. The proponent shall ensure the area is restored and rehabilitated with native trees as recommended in SEAC Minutes (in Appendix).
17. The proponent shall ensure that the mine restoration is done using mycorrhizal VAM, vermin-composting, Biofertilizers to ensure soil health and biodiversity conservation.
18. The proponent shall ensure that the topsoil is protected and used in planting activities in the area.
19. The proponent should ensure that there is no disturbance to the agriculture plantations, social forestry plantations, waste lands, forests, sanctuary or national parks. There should be no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.


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20. The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.
21. The proponent shall ensure that the activities do not impact green lands/grazing fields of all types surrounding the mine lease area which are food source for the grazing cattle.
22. The project proponent shall store/dump the granite waste generated within the earmarked area of the project site for mine closure as per the approved mining plan.

Directions for Reclamation of mine sites

1. The mining closure plan should strictly adhere to appropriate soil rehabilitation measures to ensure ecological stability of the area. Reclamation/Restoration of the mine site should ensure that the Geotechnical, physical, chemical properties are sustainable that the soil structure composition is buildup, during the process of restoration.
2. The proponent shall ensure that the mine closure plan is followed as per the mining plan and the mine restoration should be done with native species, and site restored to near original status. The proponent shall ensure that the area is ecologically restored to conserve the ecosystems and ensure flow of goods and services.
3. A crucial factor for success of reclamation site is to select sustainable species to enable develop a self-sustaining eco system. Species selected should easily establish, grow rapidly, and possess good crown and preferably be native species. Species to be planted in the boundary of project site should be un palatable for cattle's/ goats and should have proven capacity to add leaf-litter to soil and decompose. The species planted should be adaptable to the site conditions. Should be preferably pioneer species, deciduous in nature to allow maximum leaf-litter, have deep root system, fix atmospheric nitrogen and improve soil productivity. Species selected should have the ability to tolerate altered pit and toxicity of and site. They should be capable of meeting requirement of local people in regard to fuel fodder and should be able to attract bird, bees and butterflies. The species should be planted in mixed association.
4. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.
5. Top soil with a mix of beneficial microbes (Bacteria/Fungi) to be used for reclamation of mine spoils. AM Fungi (Arbuscular mycorrhizal fungi), plant growth promoting Rhizo Bacteria and nitrogen fixing bacteria to be utilized.
6. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.


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7. Top soil is most important for successful rehabilitation of mined sites. Topsoil contains majority of seeds and plant propagation, soil microorganism, Organic matter and plant nutrients. Wherever possible the topsoil should be immediately used in the area of the for land form reconstruction, to pre mining conditions.
8. Over burdens may be analyzed and tested for soil characteristics and used in the site for revegetation. Wherever possible seeds, rhizome, bulbs, etc of pioneering spices should be collected, preserved and used in restoring the site.
9. Native grasses seeds may be used as colonizers and soil binders, to prevent erosion and allow diverse self- sustaining plant communities to establish. Grasses may offer superior tolerance to drought, and climatic stresses.
10. Reclamation involves planned topographical reconstruction of site. Care to be taken to minimize erosion and runoff. Topsoils should have necessary physical, chemicals, ecological, properties and therefore should be stored with precautions and utilized for reclamation process. Stocked topsoil should be stabilized using grasses to protect from wind. Seeds of various indigenous and local species may be broad casted after topsoil and treated overburden are spread.
11. Alkaline soils, acidic soils, Saline soils should be suitably treated/amended using green manure, mulches, farmyard manure to increase organic carbon. The efforts should be taken to landscape and use the land post mining. The EMP and mine closure plan should provide adequate budget for reestablishing the site to pre-mining conditions. Effective steps should be taken for utilization of over burden. Mine waste to be used for backfilling, reclamation, restoration, and rehabilitation of the terrain without affecting the drainage and water regimes. The rate of rehabilitation should be similar to rate of mining. The land disturbed should be reshaped for long term use. Mining should be as far as possible be ecofriendly. Integration of rehabilitation strategies with mining plan will enable speedy restoration.
12. Efforts should to taken to aesthetically improve the mine site. Generally there are two approaches to restoration i.e Ecological approach which allows tolerant species to establish following succession process allowing pioneer species to establish. The other approach i.e plantation approach is with selected native species are planted. A blend of both methods may be resorted to restore the site by adding soil humas and mycorrhiza.
13. Action taken for restoration of the site should be specifically mentioned in the EC compliances.


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Annexure 'B'

1. In regard to Cluster Management, the PP Shall adhere to the following
 - a) Cluster Management Committee, which must include all the proponents in the cluster as members including the existing as well as proposed quarry.
 - b) The members must coordinate among themselves for the effective implementation of EMP as committed including Green Belt Development, Water sprinkling, tree plantation, blasting etc.,
 - c) The List of members of the committee formed shall be submitted to AD/Mines before the execution of mining lease and the same shall be updated every year to the AD/Mines.
 - d) Detailed Operational Plan must be submitted which must include the blasting frequency with respect to the nearby quarry situated in the cluster, the usage of haul roads by the individual quarry in the form of route map and network.
 - e) The committee shall deliberate on risk management plan pertaining to the cluster in a holistic manner especially during natural calamities like intense rain and the mitigation measures considering the inundation of the cluster and evacuation plan.
 - f) The Cluster Management Committee shall form Environmental Policy to practice sustainable mining in a scientific and systematic manner in accordance with the law. The role played by the committee in implementing the environmental policy devised shall be given in detail.
 - g) The committee shall furnish action plan regarding the restoration strategy with respect to the individual quarry falling under the cluster in a holistic manner.
 - h) The committee shall furnish the Emergency Management plan within the cluster.
 - i) The committee shall deliberate on the health of the workers/staff involved in the mining as well as the health of the public.
2. Detailed study shall be carried out through reputed research institutions on the following in regard to impact of mining around the proposed mine lease area covering the entire mine lease period.
 - 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.


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- f) Hydrothermal/Geothermal effect due to destruction in the Environment.
 - g) Bio-geochemical processes and its foot prints including environmental stress.
 - h) Sediment geochemistry in the surface streams.
3. The committee shall furnish an action plan to achieve sustainable development goals with reference to water, sanitation & safety.
 4. The committee shall furnish the fire safety and evacuation plan in the case of fire accidents.
 5. The measures taken to control Noise, Air, Water, Dust Control and steps adopted to efficiently utilise the Energy shall be furnished.
 6. Details of type of vegetations including no. of trees & shrubs within the proposed mining area and. If so, transplantation of such vegetations all along the boundary of the proposed mining area shall committed mentioned in EMP.
 7. Impact on surrounding agricultural fields around the proposed mining Area.
 8. Erosion Control measures.
 9. Impact on soil flora & vegetation around the project site.
 10. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the nearby Villages, Water-bodies/ Rivers, & any ecological fragile areas.
 11. The project proponent shall furnish VAO certificate with reference to 300m radius regard to approved habitations, schools, Archaeological sites, Structures, railway lines, roads, water bodies such as streams, odai, vaari, canal, channel, river, lake pond, tank etc.
 12. 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 address the concerns raised during the public consultation and all the activities proposed shall be part of the Environment Management Plan.
 13. The Environmental Impact Assessment shall study in detail the carbon emission and also suggest the measures to mitigate carbon emission including development of carbon sinks and temperature reduction including control of other emission and climate mitigation activities.
 14. The Environmental Impact Assessment should study the biodiversity, the natural ecosystem, the soil micro flora, fauna and soil seed banks and suggest measures to maintain the natural Ecosystem.
 15. Action should specifically suggest for sustainable management of the area and restoration of ecosystem for flow of goods and services.
 16. The project proponent shall study impact on fish habitats and the food WEB/ food chain in the water body and Reservoir.


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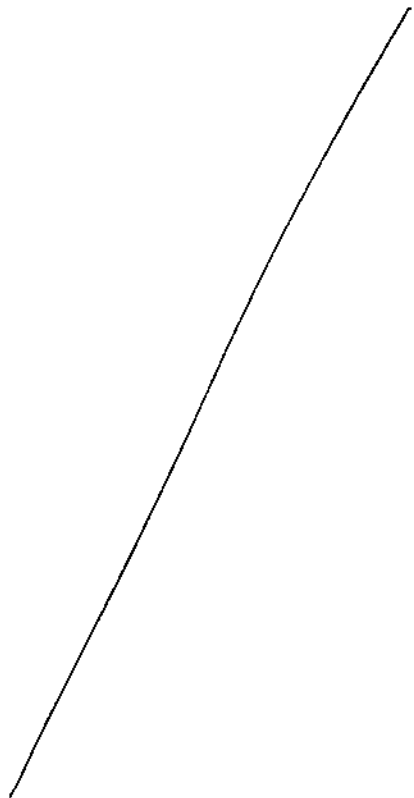
17. The Terms of Reference should specifically study impact on soil health, soil erosion, the soil physical, chemical components and microbial components.
18. The Environmental Impact Assessment should study impact on forest, vegetation, endemic, vulnerable and endangered indigenous flora and fauna.
19. The Environmental Impact Assessment should study impact on standing trees and the existing trees should be numbered and action suggested for protection.
20. The Environmental Impact Assessment should study on wetlands, water bodies, rivers streams, lakes and farmer sites.
21. The Environmental Impact Assessment should hold detailed study on EMP with budget for Green belt development and mine closure plan including disaster management plan.
22. The Environmental Impact Assessment should study impact on climate change, temperature rise, pollution and above soil & below soil carbon stock.
23. The Environmental Impact Assessment should study impact on protected areas, Reserve Forests, National Parks, Corridors and Wildlife pathways, near project site.
24. The project proponent shall study and furnish the impact of project on plantations in adjoining patta lands, Horticulture, Agriculture and livestock.
25. The project proponent shall study and furnish the details on potential fragmentation impact of natural environment, by the activities.
26. The project proponent shall study and furnish the impact on aquatic plants and animals in water bodies and possible scars on the landscape, damages to nearby caves, heritage site, and archaeological sites possible land form changes visual and aesthetic impacts.
27. The project proponent shall study and furnish the possible pollution due to plastic and microplastic on the environment. The ecological risks and impacts of plastic & microplastics on aquatic environment and fresh water systems due to activities, contemplated during mining may be investigated and reported.
28. The project proponent shall detailed study on impact of mining on Reserve forests free ranging wildlife.
29. 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 entire mine lease period.


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30. 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 covering the entire mine lease period as per precise area communication order issued.
31. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.
32. Detailed Mine Closure Plan covering the entire mine lease period as per precise area communication order issued.
33. Detailed Environment Management Plan along with adaptation, mitigation & remedial strategies covering the entire mine lease period as per precise area communication order issued.




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