

## **PARIVESH FILES**

### **PART – 1**

**Item No.1**                      **Environmental Clearance for the Granite Building Stone Quarry project of Sri. Kuttiamu Haji P M for an area of 0.6425 Ha at Survey Nos: 28/1, 28/2-1, 28/2-2 in Pulikkal Village, Kondotty Taluk, Malappuram (SIA/KL/MIN/400899/2022, 2333/EC6/2023/SEIAA)**

Sri. Kuttiamu Haji P M submitted an Environmental Clearance application for the Granite Building Stone Quarry project for an area of 0.6425 Ha at Survey Nos: 28/1, 28/2-1, 28/2-2 in Pulikkal Village, Kondotty Taluk, Malappuram.

The Authority perused the proposal and noted that SEAC in its 152<sup>nd</sup> meeting observed that the baseline monitoring data is more than 3 years old and as per Cluster Certificate dated 03.08.2022, the total quarrying area within a radius of 500m is 7.4046 Ha and hence there is a cluster situation. The Committee decided to recommend ToR.

**Based on the above observations, the Authority agreed to the recommendation of SEAC and decided to inform the project proponent to submit the application for ToR.**

**Item No.2**                      **Environmental Clearance for Laterite Building Stone Quarry of Sri. Muraleedharan L. at Survey No. 467/8-2 for an area of 0.1158 Ha in Naduvathoor Village, Kottarakara Taluk, Kollam (Old Proposal No. SIA/KL/MIN/276929/2022, 540/A1/2019/SEIAA) (New Proposal No. SIA/KL/MIN/424274/2023)**

Sri. Muraleedharan L. submitted an Environmental Clearance application for the Laterite Building Stone Quarry for an area of 0.1158 Ha at Survey No. 467/8-2 in Naduvathoor Village, Kottarakara Taluk, Kollam.

The Authority perused the proposal and noted that SEAC in its 152<sup>nd</sup> meeting observed that certain essential documents were not uploaded along with the application and hence decided not to accept the application for appraisal. Now the project proponent submitted the documents to SEIAA vide email dated 28.11.2023.

**The Authority decided to forward the documents submitted by Project proponent to SEAC with a direction to continue the appraisal on its merits, after getting the missing documents if any from the project proponent through PARIVESH portal.**

**Item No.3                      Environmental Clearance application for the Laterite Building Stone Quarry Project of Sri. Unnikrishnan P. for an area of 0.3885 Ha at Block No.91, Re-Survey No: 46/109 in Kalliyad Village, Iritty Taluk, Kannur  
(SIA/KL/MIN/425079/2023, 2306/EC4/2023/SEIAA)**

Sri. Unnikrishnan.P submitted an Environmental Clearance application for the Laterite Building Stone Quarry Project on 23<sup>rd</sup> June, 2023, for an area of 0.3885 Ha at Block No. 91, Re-Sy No: 46/109 in Kalliyad Village, Iritty Taluk, Kannur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining, the mine life is 3 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 3 (Three) years, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*

4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
- ~~6.~~ *The excavation activity should be restricted to 2m above the ground water table at the site.*
7. *The excavation activity should not alter the natural drainage pattern of the area*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the*

*date of EC.*

- 19. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
- 20. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
- 21. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 22. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.4**

**Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Manikandan K., for an area of 0.1943 Ha at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur  
(SIA/KL/MIN/429142/2023, 2280/EC4/2023/SEIAA)**

Sri. Manikandan K. submitted an Environmental Clearance application for the Laterite Building Stone Quarry project on 24 May, 2023, for an area of 0.1943 Ha at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noticed that the three project proposals for laterite mining (SIA/KL/MIN/429142/2023, SIA/KL/MIN/429176/2023 & SIA/KL/MIN/429187/2023) recommended by SEAC, are in the same village, block and survey nos., and share the common environmental, geographical and topographical features, etc. Since all the three mining projects are in a contiguous area and the large scale mining is likely to have environmental implications in the project area.

**Authority decided to direct the project proponent to submit the following documents:**

- 1. Common plan for drainage facilities from the mining area and EMP**
- 2. Provision for common waste and top soil dumping facilities.**
- 3. Common plan for mine closure.**

**Item No.5**                      **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Santhosh Kumar K. for an area of 0.1943 Ha at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur (SIA/KL/MIN/429176/2023, 2291/EC4/2023/SEIAA)**

Sri. Santhosh Kumar K submitted an Environmental Clearance application for the Laterite Building Stone Quarry project on 12<sup>th</sup> June, 2023, for an area of 0.1943 Ha at Block No. 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the

mine life is 1 year. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noticed that the three project proposals for laterite mining (SIA/KL/MIN/429142/2023, SIA/KL/MIN/429176/2023 & SIA/KL/MIN/429187/2023) recommended by SEAC, are in the same village, block and survey nos., and shares the common environmental, geographical and topographical features, etc. Since all the three mining projects are in a contiguous area and the large scale mining is likely to have environmental implications in the project area.

**Authority decided to direct the project proponent to submit the following documents:**

- 1. Common plan for drainage facilities from the mining area and EMP**
- 2. Provision for common waste and top soil dumping facilities.**
- 3. Common plan for mine closure.**

**Item No.6**                      **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. M. Rajan for an area of 0.1943 Ha at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur**  
**(SIA/KL/MIN/429187/2023, 2277/EC4/2023/SEIAA)**

Sri. M. Rajan submitted an Environmental Clearance application for the Laterite Building Stone Quarry project on 24<sup>th</sup> May, 2023, for an area of 0.1943 Ha at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noticed that the three project proposals for laterite mining (SIA/KL/MIN/429142/2023, SIA/KL/MIN/429176/2023 & SIA/KL/MIN/429187/2023) recommended by SEAC, are in the same village, block and survey nos., and shares the common environmental, geographical and topographical features, etc. Since all the three mining projects are in a contiguous area and the large scale mining is likely to have environmental implications in the project area.

**Authority decided to direct the project proponent to submit the following documents:**

- 1. Common plan for drainage facilities from the mining area and EMP**
- 2. Provision for common waste and top soil dumping facilities.**
- 3. Common plan for mine closure.**

**Item No.7**                      **Environmental Clearance for the Laterite Building Stone Quarry of Smt. Saibunnessa Ismail, for an area of 0.1945 Ha at Block No: 42, Re-Survey No: 76/573 in Panappuzha Village, Payyannur Taluk, Kannur (SIA/KL/MIN/429631/2023, 2276/EC4/2023/SEIAA)**

Smt. Saibunnessa Ismail submitted an Environmental Clearance application for the Laterite Building Stone Quarry project on 24<sup>th</sup> May, 2023, for an area of 0.1945 Ha at Block No: 42, Re-Survey No: 76/573 in Panappuzha Village, Payyannur Taluk, Kannur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 1 (One) year, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.**

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- ~~3.~~ *The mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge-*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
- ~~6.~~ *The excavation activity should be restricted to 2m above the groundwater table at the site.→*
7. *The excavation activity should not alter the natural drainage pattern of the area.*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the*



*periphery of the project area.*

- 15. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
- 16. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
- 17. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 18. Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
- 19. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 20. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
- 21. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 22. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.8**

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Noushad C. K. for an area of 0.1893 Ha at Sy. Nos: 63/3-1-1, 63/3-2-1, 63/3-3-1, 64/4 in Muthuvalloor Village, Kondotty Taluk,, Malappuram (SIA/KL/MIN/429680/2023, 2287/EC6/2023/SEIAA)**

Sri. Noushad C.K submitted an Environmental Clearance application for the Laterite Building Stone Quarry project for an area of 0.1893 Ha at Sy. Nos: 63/3-1-1, 63/3-2-1, 63/3-3-1, 64/4 in Muthuvalloor Village, Kondotty Taluk, Malappuram.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 2 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 2 (Two) years, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The mining should be restricted to a maximum depth of 4 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity should not involve blasting.*
- 6. The excavation activity should be restricted to 2m above the groundwater table at the*

site.

7. *The excavation activity should not alter the natural drainage pattern of the area.*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*

20. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.
21. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.
22. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986

**Item No.9**

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Ahammed Kunji A.T.P., for an area of 0.1944 Ha at Block No. 46, Re-Survey Nos: 14/848, 14/676 in Pariyaram Village, Thaliparamba Taluk, Kannur, Kerala  
(SIA/KL/MIN/430072/2023, 2304/EC4/2023/SEIAA)**

Sri. Ahammed Kunji A.T.P. submitted an Environmental Clearance application for the Laterite Building Stone Quarry Project on 22<sup>nd</sup> June, 2023, for an area of 0.1944 Ha at Block No. 46, Re-Survey Nos: 14/848, 14/676 in Pariyaram Village, Thaliparamba Taluk, Kannur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents

obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 1 (One) year, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity should not involve blasting.*
- 6. The excavation activity should be restricted to 2m above the groundwater table at the site*
- 7. The excavation activity should not alter the natural drainage pattern of the area.*
- 8. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
- 9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 10. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
- 11. Safeguards should be adopted against health risks on account of breeding of vectors*

*in the water bodies created due to the excavation of earth.*

- 12. Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 13. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
- 14. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
- 15. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
- 16. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
- 17. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 18. Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
- 19. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
- 20. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
- 21. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme*

*Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

22. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.10**

**Environmental Clearance for the Laterite Building Stone Quarry project of Sri. K. V. Krishnan, for an area of 0.1942 Ha at Block No: 91, Re-Survey No. 3/628 in Kaliyad Village, Iritty Taluk, Kannur.**

**(SIA/KL/MIN/430102/2023, 2292/EC4/2023/SEIAA)**

Sri. K V Krishnan submitted an Environmental Clearance application for the Laterite (Building Stone) Quarry project on 16<sup>th</sup> June, 2023, for an area of 0.1942 Ha at Block No: 91, Re-Survey No. 3/628 in Kaliyad Village, Iritty Taluk, Kannur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 1 (One) year, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*

2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- ~~3.~~ *The mining should be restricted to a maximum depth of 4 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
6. *The excavation activity should be restricted to 2m above the groundwater table at the site.*
7. *The excavation activity should not alter the natural drainage pattern of the area*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow*



*water should be clarified and drained to the nearest natural drain without any hindrance.*

*17. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*

*18. Measures incorporated in the CER should be implemented within 6 months from the date of EC.*

*19. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*

*20. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*

*21. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

*22. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.11**

**Environmental Clearance for the Laterite Building Stone Quarry of Sri. A.C. Yousaf, for an area of 0.1942 Ha at Block No. 91, Re-Survey No: 3/628 in Kaliyad Village, Iritty Taluk, Kannur, Kerala (SIA/KL/MIN/430586/2023, 2293/EC4/2023/SEIAA)**

Sri. A.C. Yousaf submitted an Environmental Clearance application for the Laterite Building Stone Quarry project for an area of 0.1942 Ha at Block No. 91, Re-Survey No: 3/628 in Kaliyad Village, Iritty Taluk, Kannur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 1 (One) year, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity should not involve blasting.*
- 6. The excavation activity should be restricted to 2m above the groundwater table at the site.*
- 7. The excavation activity should not alter the natural drainage pattern of the area*
- 8. The excavated pit should be restored by the project proponent for agriculture and*

*other useful purposes.*

- 9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 10. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
- 11. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
- 12. Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 13. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
- 14. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
- 15. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
- 16. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
- 17. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 18. Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
- 19. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
- 20. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from*

*the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*

*21. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

*22. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.12**

**Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Usman Thazhathery, for an area of 0.0971 Ha at Block No: 137 Re-Survey No: 30/551 in Chuzhali Village, Thaliparamba Taluk, Kannur, Kerala  
(SIA/KL/MIN/431341/2023, 2294/EC4/2023/SEIAA**

Sri. Usman Thazhathery submitted an Environmental Clearance application for the Laterite Building Stone Quarry project for an area of 0.0971 Ha at Block No: 137, Re-Survey No: 30/551 in Chuzhali Village, Thaliparamba Taluk, Kannur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 1 (One) year, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The mining should be restricted to a maximum depth of 5 m below ground level, subject to limiting the depth 1 m above the lithomarge and 2 m.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity should not involve blasting.*
- 6. The excavation activity should be restricted to 2m above the groundwater table at the site.*
- 7. The excavation activity should not alter the natural drainage pattern of the area*
- 8. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
- 9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 10. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
- 11. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
- 12. Workers/labourers should be provided with facilities for drinking water and sanitation.*

13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
20. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
21. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be*

*monitored by SEAC at regular intervals.*

22. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.13**

**Environmental Clearance for Ordinary Clay Mining project of Sri. P. S. Ajayakumar, for an area of 0.1800 Ha at Block No. 12, Re Survey No-456/1 in Kollengode 2 Village of Chittur Taluk, Palakkad  
SIA/KL/MIN/432522/2023, 2290/EC1/2023/SEIAA**

Sri. P. S. Ajayakumar, Proprietor, Aishwarya Bricks, Pulikkal, Chingamchira Nenmeni Post, Kollengode Palakkad, vide application received on 08.06.2023, sought Environmental Clearance for the ordinary clay mining project at Block No. 12, Re Survey No. 456/1, in Kollengode 2 Village, Chittur Taluk, Palakkad.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 2 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 2 (Two) years, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The project proponent should obtain NOC from the KSEB for the high tension line subject to their distance norm prior to the commencement of mining.*
- 2. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 3. The EC shall be valid from the date of execution of permit/lease from the Department*

*of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*

- 4. The excavation activity should not involve blasting.*
- 5. The excavation activity should be restricted to 2m above the groundwater table at the site.*
- 6. The excavation activity should not alter the natural drainage pattern of the area*
- 7. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
- 8. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
- 10. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
- 11. Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 12. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
- 13. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
- 14. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
- 15. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
- 16. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*



17. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
18. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)
19. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.
20. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.
21. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

**Item No.14**

**Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Abdul Jaleel for an area of 0.2750 Ha at Sy. No. 7/2-3 in Mankada Village, Perinthalmanna Taluk, Malappuram.  
(SIA/KL/MIN/432642/2023, 2300/EC6/2023/SEIAA)**

Sri. Abdul Jaleel submitted an Environmental Clearance application for the Laterite Building Stone Quarry for an area of 0.2750 Ha at Sy. No. 7/2-3 in Mankada Village, Perinthalmanna Taluk, Malappuram

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 1 (One) year, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity should not involve blasting.*
- 6. The excavation activity should be restricted to 2m above the groundwater table at the site.*
- 7. The excavation activity should not alter the natural drainage pattern of the area*
- 8. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
- 9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*

10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
20. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost*

*for implementation of CER activities shall be 2% of the project cost.*

*21. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

*22. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.15**

**Environmental Clearance for the Granite Building Stone Quarry project of Sri. Stephen Joseph, Managing Director, M/s Crystal Aggregates Pvt. Ltd for an area of 0.9108 Ha at Survey Nos: 508/3/2, 510/3B/2 in Thirumarady Village, Muvattupuzha Taluk, Ernakulam  
(SIA/KL/MIN/434752/2023, 2417/EC1/2023/SEIAA)**

Sri. Stephen Joseph, Managing Director, M/s Crystal Aggregates Pvt. Ltd. submitted an Environmental Clearance application for the Granite Building Stone Quarry for an area of 0.9108 Ha at Survey Nos: 508/3/2, 510/3B/2 in Thirumarady Village, Muvattupuzha Taluk, Ernakulam.

The Authority perused the proposal and noted that the project proponent had submitted a project proposal earlier (SIA/KL/MIN/153262/2020 & File no.1825/EC3/2020/SEIAA) and the Authority in its 119<sup>th</sup> meeting, agreed to the recommendation of SEAC to reject the proposal due to the presence of built structures within 50m of the project site and Rejection Order was issued on 17.11.2022. The project proponent submitted a new project proposal and the Committee in its 152<sup>nd</sup> meeting observed that the baseline monitoring data is more than three years old. Hence the Committee decided not to accept the application.

The Authority noted the request of the project proponent dated 23.11.2023 stating that that the new application was submitted after clearing all the structures within 50m. The project proponent has also submitted the latest baseline monitoring data.

**Authority decided to refer the proposal to SEAC for further appraisal after getting the additional documents if any from the project proponent in Parivesh Portal, on its merit.**

**Item No.16                      Environmental Clearance for the Granite Building Stone Quarry project of Sri. Thomas Joseph for an area of 0.9674 Ha at Survey No. 79/1-5-1pt in Manjalloor Village, Muvattupuzha Taluk Ernakulam. (SIA/KL/MIN/434759/2023, 2410/EC1/2023/SEIAA)**

The Authority perused the proposal along with the request letter of the project proponent dated 16.11.2023 and observed that as directed by SEIAA in its 114<sup>th</sup> meeting, the project proponent submitted a fresh application for EC. The SEAC in its 152<sup>nd</sup> meeting observed that the baseline monitoring data submitted along with the application is more than three years old and hence decided not to accept the application. The Authority noted that the project proponent has provided the latest baseline data as an Annexure to the application.

**Authority decided to refer the proposal to SEAC for further appraisal according to its merits.**

**Item No.17                      Environmental Clearance application for the Granite Building Stone Quarry Project of Sri. Ranju K. K., Managing Director, M/s. Neeloor Aggregates Pvt. Ltd., for an area of 3.2225 Ha at Block No. 30, Re. Survey Nos. 422/1, 422/2, 440/1, 440/3, 440/4, 441/5, 442/1 in Kadanadu Village, Meenachil Taluk, Kottayam (SIA/KL/MIN/435475/2023, 2331/EC3/2023/SEIAA)**

Sri. Ranju K. K., Managing Director, M/s. Neeloor Aggregates Pvt Ltd., submitted an Environmental Clearance application for the Granite Building Stone Quarry Project via PARIVESH on 03<sup>rd</sup> July 2023, for an area of 3.2225 Ha at Block No. 30, Re. Survey Nos.

422/1, 422/2, 440/1, 440/3, 440/4, 441/5, 442/1 in Kadanadu Village, Meenachil Taluk, Kottayam.

The Authority perused the project proposal and noted that the SEAC in its 152<sup>nd</sup> meeting observed that the monitoring data submitted is more than three years old, and hence decided that the application cannot be accepted for appraisal.

**The Authority accepted the recommendation of the SEAC and decided to direct the project proponent to submit the necessary documents within one month. Otherwise, the application will be rejected at his risk and cost.**

**Item No.18                      Environmental Clearance for Laterite Building Stone Quarry of Sri. Prince M.P. for an extent of 0.1940 at Re - Survey No. 83/2 in Edakattuvayal Village, Kanayannur Taluk, Ernakulam  
(Old Proposal No. SIA/KL/MIN/141091/2020, 1863/EC3/2020/SEIAA)  
(New Proposal No. SIA/KL/MIN/436383/2023)**

Sri. Prince M.P. submitted an Environmental Clearance application for the Laterite Building Stone Quarry on 05/10/2020 for an extent of 0.1940 at Re - Survey No. 83/2 in Edakattuvayal Village, Kanayannur Taluk, Ernakulam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 152<sup>nd</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 1 (One) year, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and*

*amendments thereby.*

- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity associated should not involve blasting.*
- 6. The excavation activity should be restricted to 2m above the ground water table at the site.*
- 7. The excavation activity should not alter the natural drainage pattern of the area*
- 8. The excavated pit should be restored by the project proponent for a useful purpose.*
- 9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 10. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
- 11. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
- 12. Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 13. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
- 14. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
- 15. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*

16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
20. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
21. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
22. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.19**

**Environmental Clearance for the Granite Building Stone Quarry project of Sri. Babu P., for an area of 0.9392 Ha at Survey No. 220/1A in Thayannur Village, Vellarikund Taluk, Kasaragod**



**(Old Proposal No. SIA/KL/MIN/42055/2019, 1427/EC2/2019/SEIAA)  
(SIA/KL/MIN/437855/2023, 1427/EC2/2019/SEIAA)**

Sri. Babu P., Periyadath House, Mundiyanam, Thayannur (P.O) Parappa, Kasaragod, Kerala, vide application received on 31.08.2019 sought Environmental Clearance for the proposed Granite Building Stone Quarry project at Survey No. 220/1A in Thayannur Village, Vellarikund Taluk, Kasaragod.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 5 years. After the due appraisal, the SEAC in its 146<sup>th</sup> meeting, recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

Since the application is submitted in the ToR portal, the Authority in its 130<sup>th</sup> meeting directed the project proponent to submit application for EC in Parivesh portal for granting Environmental Clearance. Now the project proponent submitted the application in Parivesh portal and the SEAC in its 152<sup>nd</sup> meeting observed that the baseline monitoring report submitted is more than three years old. Hence the Committee decided that the application cannot be accepted for appraisal.

**The Authority decided to refer the proposal to SEAC with a direction to consider the application, since this is an old project and SEAC had had already completed appraisal and recommended EC. Now new application is only for issuing EC. SEAC still has freedom to call for any additional document/information if required.**

**Item No.20**

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K.M. Abdul Rasheed, M/s. Ever-One Properties India Pvt. Ltd for an area of 4.1258 Ha at Re-Sy. Nos. 186/1A/2-17, 189/1A-1, 186/1A/2-51, 186/1A-2-24-2 in Neriya Mangalam Village, Kothamangalam Taluk, Ernakulam.  
(SIA/KL/MIN/441325/2023, 2343/EC3/2023/SEIAA)**

Sri. K. M Abdul Rasheed M/s Ever-One Properties India Pvt. Ltd., Pareekanni P.O., Uppukuzhi, Kothamangalam, Ernakulam submitted an Environmental Clearance application for the Granite Building Stone Quarry for an area of 4.1258 Ha at Re-Sy. Nos. 186/1A/2-17, 189/1A-1, 186/1A/2-51, 186/1A-2-24-2 in Neriya Mangalam Village, Kothamangalam Taluk, Ernakulam.

The Authority perused the proposal and observed that the SEAC in its 152<sup>nd</sup> meeting directed the project proponent to apply for ToR as there is cluster situation. The Authority noticed that as per Cluster Certificate dated 31.07.2023 there is another working quarry of the project proponent with an area of 3.2008 Ha and a non working quarry of area 4.1317 Ha both owned by the PP. The details of non working quarry and its satisfactory mine closure is not made available. Hence the total area is more than 5Ha and warrants EIA study.

**The Authority agreed to the recommendation of SEAC and decided to direct the Project Proponent to apply for ToR.**

## **PART – 2**

**Item No.1**                      **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Babu N. P., Managing Partner, M/s. Grand Rock Products for an area of 0.8821 Ha at Sy. No. 157/3 in Vadakkanchery Village, Thalappilly Taluk, Thrissur SIA/KL/MIN/133614/2019, 1842/EC6/2020/SEIAA**

Sri. Babu N. P., Managing Partner, M/s. Grand Rock Products submitted an Environmental Clearance application on 15.09.2022 for the Granite Building Stone Quarry Project for an area of 0.8821 Ha at Sy. No. 157/3 in Vadakkanchery Village, Thalappilly Taluk, Thrissur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 5 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 5 (five) years, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The Project Proponent has to comply OM dated 17-05-2022 of MoEF&CC if the project area falls within 10 km radius of Wild Life Sanctuary as per the directions contained in the Honourable Supreme Court Judgement dated 26.4.2023 in IA*

13177 of 2022.

4. *Since, the project is located within 10 km of Peechi Vazhani Wildlife Sanctuary, the Project Proponent has to obtain Wildlife Clearance from the SCNBWL as per the OM dated 17.05.2022 of MoEF&CC as per the directions in the Hon'ble Supreme Court Judgement dated 26.04.2023 in IA 13177 of 2022 before the commencement of mining.*
5. *Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
6. *Copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief Wildlife Warden, Kerala, SEAC, District Collector, Thrissur and Department of Industries GoK, besides others for information and necessary further action.*
7. *The ultimate depth of mining should be at least 1 m above groundwater table at the site.*
8. *The CER shall be part of EMP and the compliance status shall be included in the Half Yearly Compliance Report.*
9. *The closure of abandoned quarry should be carried out prior to the commencement of mining as per the KMMC Rules and the approved Mining Plan and the project proponent should produce the Certificate from the District Geologist to the effect that the mine has been closed.*
10. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus*

*(Ayiniplavu) etc.*

- 11. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 12. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*
- 13. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
- 14. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the Half Yearly Compliance Report (HYCR).*
- 15. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 16. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
- 17. Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites.*
- 18. CER Plan comprising solar energy installation, rainwater harvesting and sanitation facility and closure of the adjacent old abandoned quarry should be implemented within the first 2 years utilizing the projected outlay of Rs. 5 lakh or more and it should be operated and maintained for the entire period of mine till the mine closure plan is implemented.*
- 19. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*

20. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
21. Adequate energy conservation measures should be implemented including solar power installations at the site. At least 40% of the energy requirement shall be met from the solar power.
22. Adequate measures should be adopted to harvest the rainwater at the site as per the guidelines issued by the Central Ground water Authority.
23. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
24. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
25. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.
26. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.
27. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

28. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

29. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

**Item No.2**

**Environmental Clearance for the Granite Building Stone quarry of Sri. N.C. Abdul Majeed, Managing Partner, Mukkom Granites for an area of 0.9467 Ha at Re Survey Nos: 5/5A2 (5/4730, 5/4731) in Kavilumpara Village, Vatakara Taluk, Kozhikode SIA/KL/MIN/142276/2020, 1806/EC4/2020/SEIAA**

Sri. N.C. Abdul Majeed, Managing Partner, Mukkom Granites, Poothampara post, Thottilpalam, Kozhikode submitted an Environmental Clearance application via PARIVESH for the Granite Building stone quarry for an area of 0.9467 Ha at Re Survey Nos: 5/5A2 (5/4730, 5/4731) in Kavilumpara Village, Vatakara Taluk, Kozhikode.

The Authority noted the action taken by SEAC in its 137<sup>th</sup>, 150<sup>th</sup>, 151<sup>st</sup> meetings held on different dates. The SEAC in its 151<sup>st</sup> meeting examined the proposal, discussed the field inspection report conducted on 05.04.2023 and observed the following:

1. *Proposed site form part of a highly hazard prone area all around with steep slopes and hillocks.*
2. *The proposed site is falling in the middle portion of the side slope of a hill with steep slope.*
3. *There are built structures close to the proposed site, especially near to BP2 and BP3. A small shed is also seen near to the project site, in the lower reaches.*
4. *A seasonal stream is noticed in the neighbourhood.*
5. *Geologically, the rocks are highly joined and fractured*
6. *Project area is characterized by high extent of natural vegetation, represented by diverse species*

7. *Entire site falls in a moderate hazard zone in continuity with high hazard zone. The high hazard zone is located at a distance of 96.45 meters from the project site.*

Considering the hazard vulnerability and ecological sensitivity of the area, any intrusive activity such as mining will adversely affect the geo-environmental settings of the area. Therefore, the Committee recommended rejection of the proposal invoking Precautionary Principle.

**Authority agreed to the recommendation of SEAC to reject the proposal and inform the same to the Project Proponent quoting the reasons for rejection.**

**Item No.3                      Environmental Clearance for the Granite Building Stone Quarry of Sri. Biju. O, Managing Director, M/s Elayadam Constructions Pvt. Ltd. for an area of 0.9999 Ha at Sy. Nos. 285/2, 6 in Purameri Village, Vadakara Taluk, Kozhikode  
SIA/KL/MIN/239511/2021, 2096/EC4/2022/SEIAA**

Sri. Biju. O, Managing Director, M/s Elayadam Constructions Pvt Ltd submitted an Environmental Clearance application via PARIVESH on 14.11.2022 for the Granite Building Stone Quarry for an area of 0.9999 Ha at Sy. Nos. 285/2, 6 in Purameri Village, Vadakara Taluk, Kozhikode.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 4 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC with the project life of 4 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 4 (four) years, subject to the following Specific Conditions in addition to the General Conditions.**

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan*



*and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*

- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The quarrying should be permitted only after getting the approval of the District Level Crisis Management Committee for mining constituted vide GO (Rt) No. 542/14/ID dated 26.5.2012 as the site is located in moderate hazard zone as given in Hazard Susceptibility Area of Kerala, 2014.*
- 4. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
- 5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 6. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
- 7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
- 8. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).*
- 9. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*

10. *Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites*
11. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
12. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
13. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
14. *Adequate energy conservation measures should be adopted including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
15. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
16. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
17. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
18. *Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR*
19. *As the project site is located in an abandoned quarry the possible and relevant final mine closure activities as per the previous approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly completion report.*
20. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
21. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the*

*Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*

22. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
23. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
24. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.4**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Shibu S. for an area of 2.1252 Ha at Block No. 37, Re-Survey Nos. 37/5-2, 37/5-3, 37/4-2, 37/4-1, 37/3-2-2, 37/3-1, 37/3- 2, 37/13-1- 2, 35/2-2, 35/14, 35/15, 35/15-2, 36/3, 36/2-2, 35/13, 36/4 in Velinellur Village, Kottarakkara Taluk, Kollam (SIA/KL/MIN/275539/2022, 2068/EC2/2022/SEIAA)**

Sri. Shibu S., Shibu Nivas, Nettayam (PO), Ambalamkunnu, Kollam submitted an Environmental Clearance application for an area of 2.1252 Ha at Block No. 37, Re-Survey Nos. 37/5-2, 37/5-3, 37/4-2, 37/4-1, 37/3-2-2, 37/3-1, 37/3- 2, 37/13-1- 2, 35/2-2, 35/14, 35/15, 35/15-2, 36/3, 36/2-2, 35/13, 36/4 in Velinellur Village, Kottarakkara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 5 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority noticed that the project area includes Govt. land and the NOC was issued by the District Collector on 06.12.2018. The validity of NOC was extended for one more year as per order dated 02-04-2022, with a condition that the Environmental Clearance should be obtained within one year from the date of issuance of extended NOC. Since, the Project Proponent submitted the application for Environmental Clearance only on 06.08.2022, the Authority decided to direct the project proponent to submit valid NOC from the District Collector, Kollam before issuing EC.**

**Item No.5                      Environment Clearance for the Granite Building Stone Quarry project of Sri. Antony S. Alukkal, M/s Minering Aggregates Private Limited, for an area of 4.7998 Ha at Re-Sy Block No. 01, Re-Sy Nos.: 23/1 pt427, 23/1 pt426, 23/1 pt424 & 23/1 pt375, in Kolathur Village, Kasaragod Taluk, Kasaragod, Kerala (SIA/KL/MIN/277481/2022, 2118/EC2/2022/SEIAA)**

Sri. Antony S Alukkal, M/s Minering Aggregates Private Limited submitted an Environmental Clearance application for the Granite Building Stone Quarry project on 14<sup>th</sup> October 2022, for an area of 4.7998 Ha at Re-Sy Block No. 01, Re-Sy Nos. 23/1 pt427, 23/1 pt426, 23/1 pt424 & 23/1 pt375, in Kolathur Village, Kasaragod Taluk, Kasaragod.

The Authority noted the action taken by SEAC in its 134<sup>th</sup>, 142<sup>nd</sup>, 143<sup>rd</sup> & 146<sup>th</sup> meetings held on different dates. The Committee in its 151<sup>st</sup> meeting recommended rejection of the project proposal invoking the Precautionary Principle. The Authority also noted that the project proponent has filed a WP(C) No. 40603 of 2023 before the Hon'ble High Court of Kerala with a prayer to stay all further proceedings pursuant to Ext. P8 (True copy of the decision No. 151<sup>st</sup> SEAC meeting), pending disposal of the writ petition. The project

proponent also prayed that he hadn't been given an opportunity for hearing before rejecting the proposal.

**Under these circumstances, pending decision in WP(C) No. 40603 of 2023, the Authority decided to give an opportunity of hearing to the project proponent in the next meeting. The intimation regarding the hearing shall be given to the project proponent well in advance.**

**Item No.6                      Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Sajeer K.T for an area of 1.2008 Ha at Re-Sy Nos. 3/4, 3 in Trikkalangode Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/278920/2022, 2091/EC6/2022/SEIAA)**

Sri. Sajeer K.T, Kunnatheri H.O, Kalathilpadi, Pulpatta P.O, Malappuram submitted an Environmental Clearance application through PARIVESH on 23.08.2022 for the Granite Building Stone Quarry Project for an area of 1.2008 Ha at Re-Sy Nos. 3/4, 3 in Trikkalangode Village, Ernad Taluk, Malappuram.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC appraised the project based on Form 2, Pre-Feasibility Report, EIA report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 12 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting recommended EC for a Project Life of 12 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

**The Authority decided to issue Environmental Clearance initially for a period of 5 years and then to extend the EC period to cover the project life of 12 years, from the date of execution of mine lease / permit, subject to the review by SEAC at the end of each five years, to verify whether the Project Proponent has violated any of the EC**

**conditions and thereby caused any damage to the Environment in the project region.**

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The EC issued will be subject to a review by SEAC after each 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. The ultimate depth of mining should be limited to 85 m and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
- 5. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
- 6. Adequate safeguard measures should be taken to avoid risk to the built structures downstream, prior to the commencement of mining.*
- 7. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 8. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
- 9. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of*

*Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*

- 10. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
- 11. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 12. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
- 13. Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites.*
- 14. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
- 15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 16. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
- 17. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.*
- 18. Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
- 19. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*

20. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
21. *If the abandoned quarry located near to the site belong to project proponent, he/she shall carry out final closure plan within 6 months as per the approved mine closure plan and submit the progress of the closure activities along with the HYCR.*
22. *As the project site is located in an abandoned quarry the possible and relevant final mine closure activities as per the previous approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly completion report.*
23. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
24. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
25. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
26. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be*



*monitored by SEAC at regular intervals.*

*27. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.7**

**Environmental Clearance for the Granite Building stone quarry of Sri. P. P. Asharaf for an area of 0.9691 Ha at Survey No. 305/1A and 305/1B in Thrithala Village, Pattambi Taluk, Palakkad SIA/KL/MIN/284986/2022, 2122/EC1/2022/SEIAA**

Sri. P. P. Asharaf, Pulaparamabil House, Pottur, Mudur P.O Malappuram, submitted an Environmental Clearance application on 21.10.2022 for the Granite Building Stone Quarry for an area of 0.9691 Ha at Survey No. 305/1A and 305/1B in Thrithala Village, Pattambi Taluk, Palakkad.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 5 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 5 (five) years, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The ultimate depth of mining should be limited to 60 m and the mineable resources*

*shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*

- 4. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
- 5. Considering the depth to water table, the depth of mining should be limited to 60 m AMSL.*
- 6. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*
- 8. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
- 9. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
- 10. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 11. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
- 12. Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites.*

13. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
14. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
15. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
16. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.*
17. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
18. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
19. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
20. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
21. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
22. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL*

*(Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

23. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

24. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.8**

**Environmental Clearance for the Granite Building Stone Quarry project of Sri. Kurian Jose for an area of 4.0425 ha at Sy. Nos. 340/1AS/75/6/2, 340/1A/S/75/6/3/2, 340/1A/S/75/6/9, 340/1A/S/75/6/10 in Kottappady Village, Kothamangalam Taluk, Ernakulam (SIA/KL/MIN/291267/2022, 2116/EC3/2022/SEIAA)**

Sri. Kurian Jose submitted an application for Environmental Clearance for the Granite Building Stone Quarry project of Mr. Kurian Jose for an area of 4.0425 Ha at Sy. Nos. 340/1AS/75/6/2, 340/1A/S/75/6/3/2, 340/1A/S/75/6/9, 340/1A/S/75/6/10, Kottappady Village, Kothamangalam Taluk, Ernakulam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC appraised the project based on Form 2, Pre-Feasibility Report, EIA report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 12 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting recommended EC for a Project Life of 12 years with certain Specific Conditions in addition to the General Conditions. On examination, the Authority observed the following:

1. In the PFR, Form IM and other documents, the project proponent discloses that

there is a *thodu* near around 400 m. But the field inspection report states that there is a bridge across the stream at 65 m North West of the project site. Therefore, the project proponent has hidden the fact in the application.

2. The ultimate depth after mining is 35 m above MSL and in the field inspection report it is stated that the stream bed level is at 55 m above MSL
3. Impact of comparatively high overburden thickness, which is up to 3m
4. Steep slope near N-E and N boundaries of project area (Near BP 10, BP 11 and BP 1, Near BP 8 and BP 7).

**Hence, the Authority decided to refer back the proposal to SEAC to give a definite recommendation after relooking all the above aspects.**

**Item No.9**

**Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Sekkeeb Pullanipuram for an area of 0.1942 Ha at Re-Sy No. 1/3A1 in Melmuri Village, Tirur Taluk, Malappuram. SIA/KL/MIN/405772/2022, 2181/EC6/2023/SEIAA**

Sri. Sekkeeb Pullanipuram, Pullanippuram House, Marakkara Post, Kadampuzha Malappuram submitted an Environmental Clearance application through PARIVESH on 27.02.2023 for the Laterite Building Stone Quarry Project, for an area of 0.1942 Ha at Re-Survey No- 1/3A1 in Melmuri Village, Tirur Taluk, Malappuram.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 1 (One) year, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.**

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *The mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
6. *The excavation activity should be restricted to 2m above the groundwater table at the site.*
7. *The excavation activity should not alter the natural drainage pattern of the area.*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*

15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
20. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
21. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
22. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.10**

**Environmental Clearance for the Granite building Stone Quarry of Sri. Joseph Varkey, for an area of 0.9407 Ha at Block No. 70, Sy. Nos: 23/1, 23/2, in Poonjar Village, Meenachil Taluk, Kottayam**  
**SIA/KL/MIN/407901/2022, 1812/EC3/2020/SEIAA**

Sri. Joseph Varkey submitted an Environmental Clearance application for the Granite Building Stone Quarry project on 20<sup>th</sup> January 2023, for an area of 0.9407 Ha at Block No: 70, Sy. Nos. 23/1, 23/2, in Poonjar Village, Meenachil Taluk, Kottayam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 5 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 5 (five) years, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The ultimate depth of mining should be limited to 65 m and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
- 4. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus*



*bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*

5. *Water level of bunded water storage should be regulated during the working of the quarry and adequate care should be taken to drain the water without affecting the houses on the downward side*
6. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
7. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
8. *The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
9. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
10. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
11. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR*
12. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*
13. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*

14. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
15. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
16. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
17. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
18. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
19. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
20. *If the abandoned quarry located near to the site belong to project proponent, he/she shall carry out final closure plan within 6 months as per the approved mine closure plan and submit the progress of the closure activities along with the HYCR.*
21. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
22. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*

23. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
24. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
25. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.11**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. M. Aliyarkutty for an area of 3.3314 Ha at Block No. 26, Re-Survey Nos. 431/13, 431/11- 4pt, 431/5pt, 444pt (Govt. Land), 432/1pt (Govt. Land), 432/2, 432/4pt, 432/8pt, 445/2pt, 445/8pt, 445/15pt, 445/3-2pt & 445/9pt in Valakom Village, Kottarakkara Taluk, Kollam (SIA/KL/MIN/408193/2022, 2169/EC2/2022/SEIAA)**

Sri. M. Aliyarkutty, M.S. House, Vakkanadu (PO), Kareepra, Kollam District submitted an Environmental Clearance application for the Granite Building Stone Quarry for an area of 3.3314 Ha at Block No.-26, Re-Survey Nos. 431/13, 431/11- 4pt, 431/5pt, 444pt (Govt. Land), 432/1pt (Govt. Land), 432/2, 432/4pt, 432/8pt, 445/2pt, 445/8pt, 445/15pt, 445/3-2pt & 445/9pt, in Valakom Village, Kottarakkara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC appraised the project based on Form 2, Pre-Feasibility Report, EIA report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As

per the approved mining plan, the mine life is 10 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting recommended EC for a Project Life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority also observed that in obedience to the Judgment dated 30.3.2022 in WP (C) 2050/22 of the Hon'ble High Court, the District Collector, Kollam vide Order dated 14.7.2022 recommended SEIAA to consider the complaints of Sri. Ratheesh Kumar and Smt. Krishna A.R. while issuing the EC. Therefore, the Committee requested the SEIAA to hear the Complainants Sri. Ratheesh Kumar and Smt. Krishna A.R. prior to the issuance of EC.

**The Authority decided to give an opportunity of hearing to the complainants Sri. Ratheesh Kumar and Smt. Krishna A.R in the next meeting. The intimation regarding the hearing shall be given to the complainants well in advance.**

**Item No.12**

**Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Pradeep K., for an area of 0.3880 Ha at Block No. 109, Re-Survey No. 53/135 in Kandamkunnu Village, Thalassery Taluk, Kannur  
(SIA/KL/MIN/412267/2022, 2208/EC4/2023/SEIAA)**

Sri. Pradeep K., Vrindavanam, Ayithara PO, Mambaram, Kannur submitted an Environmental Clearance application for the Laterite Building Stone Quarry project via Parivesh on 21<sup>st</sup> February, 2023, for an area of 0.3880 Ha at Block No:109, Re-Survey No. 53/135 in Kandamkunnu Village, Thalassery Taluk, Kannur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 4 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 4 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 4 (Four) years, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.**

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *The mining should be restricted to a maximum depth of 5 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
6. *The excavation activity should be restricted to 2m above the groundwater table at the site.*
7. *The excavation activity should not alter the natural drainage pattern of the area*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum buffer distance of 50m from any civil structure should be kept from the periphery of the project area.*

15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 1 year from the date of EC.*
19. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
20. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
21. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*
22. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*

**Item No.13**

**Environmental Clearance for Granite Building Stone Quarry of Sri. Pradeep Kumar S, Managing Partner, M/s RKP Minerals and Metals Private Ltd for an area of 0.4790 Ha at Block No.30, Re Survey Nos. 233/2-3-1, 233/2-5-1, 233/2-2, 233/6, 233/6- 1, 234/5, in Thekkada Village , Nedumangad Taluk, Thiruvananthapuram SIA/KL/MIN/414351/2023, 2210/EC1/2023/SEIAA**

Sri. Pradeep Kumar S, Managing Partner, M/s RKP Minerals and Metals Private Ltd, Vilavilakathu Puthen Veedu, Keraladithyapuram, Powdikonam P.O., Thiruvananthapuram, submitted an Environmental Clearance application for the Granite Building Stone Quarry project on 03.02.2023 at Re Survey No. 233/2-3-1, 233/2-5-1, 233/2-2, 233/6, 233/6-1, 234/5, Block No. 30 in Thekkada Village, Nedumangad Taluk, Thiruvananthapuram.

The Authority perused the proposal and observed that considering the viability of mining in area less than 0.5 Ha, the SEAC in its 151<sup>st</sup> meeting recommended rejection of the proposal. The Authority in its 134<sup>th</sup> meeting also accepted the recommendation of the SEAC to ensure environmental safeguards and taken a decision that all the active / live applications with area 0.5 Ha or less received and pending for the appraisal by SEAC need not be appraised further. The Authority also examined the request of the project proponent dated 11.11.2023 requesting to reconsider the proposal.

**In the above circumstance, the Authority decided to give an opportunity to the project proponent to present his averments before SEAC. Authority also decided to direct the SEAC to hear the project proponent and offer its recommendations accordingly.**

**Item No.14**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. A. H. Sheriff for an area 1.8130 Ha at Survey Nos. 1087/1A2 in Mulavoor Village, Muvattupuzha Taluk, Ernakulam (SIA/KL/MIN/416051/2023, 2219/EC3/2023/SEIAA)**

Sri. A. H Sheriff, Ettukattil House Edathala North P.O, Aluva, Ernakulam submitted an Environmental Clearance application for the Granite Building Stone Quarry project for an area 1.8130 Ha at Survey No. 1087/1A2 in Mulavoor Village, Muvattupuzha Taluk, Ernakulam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 5 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 5 (five) years, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The Environmental Clearance is permitted at the risk and cost of the project proponent with a condition that the buildings within 50m should not be used for residential purpose. The project proponent should submit an affidavit stating the above and that he/she will leave a 50m buffer from the crusher unit and the workshop building. The project proponent should also submit a drawing that shows the 50m buffer to the nearby built structure to SEIAA.*
- 4. The ultimate depth of mining should be limited to 50 m and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
- 5. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*



6. *Mining should be permitted only after leaving 50 m from the crusher unit and the workshop building*
7. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
8. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
9. *The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
10. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
11. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
12. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR*
13. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*
14. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
15. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
16. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*

17. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.
18. Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
19. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
20. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
21. If the abandoned quarry located near to the site belong to project proponent, he/she shall carry out final closure plan within 6 months as per the approved mine closure plan and submit the progress of the closure activities along with the HYCR.
22. As the project site is located in an abandoned quarry the possible and relevant final mine closure activities as per the previous approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly completion report.
23. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.
24. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.
25. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL

*(Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

26. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

27. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.15**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. A. M. Chackochan, M/s Aishwarya Granites for an extent of 0.6803 Ha at Re-Sy. No. 121/2 part in Elamadu Village, Kottarakkara Taluk, Kollam.  
(SIA/KL/MIN/422678/2023, 1675/EC2/2020/SEIAA)**

Sri. A. M. Chackochan, M/s Aishwarya Granites, Arkkannoor P.O, Elavinmoodu, Ayoor, Kollam submitted an Environmental Clearance application through PARIVESH portal on 13.04.2023 for an area of 0.6803 Ha at Re-Sy. No.121/2 part in Elamadu Village, Kottarakkara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 3 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

**On verification, the Authority observed that the same project proponent has obtained several other Environmental Clearances within the Project region. Therefore,**

the Authority is of the opinion that for environmental safeguards, the entire area needs to be considered as a single entity and by considering all the ECs, an Integrated EMP has to be prepared by the project proponent to treat the entire area as one unit. The SEAC may give final recommendation after appraising the Integrated EMP submitted by the project proponent.

**Item No.16**

**Environmental Clearance for the Building Stone Quarry project of Sri. Joseph Ulahannan Alias Joy Ulahannan, for an area of 0.9204 Ha at Sy. No. 109/2-1 in Lalam Village, Meenachil Taluk Kottayam.  
[SIA/KL/MIN/423325/2023, 2281/EC3/2023/SEIAA]**

Sri. Joseph Ulahannan Alias Joy Ulahannan, Tharamangalath House, Ettumanoor P.O, Kottayam submitted an Environmental Clearance application for the Granite Building Stone Quarry project on 22<sup>nd</sup> May, 2023, for an area of 0.9204 Ha at Sy. No. 109/2-1 in Lalam Village, Meenachil Taluk of Kottayam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 3 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 3 (three) years, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*

3. *The ultimate depth of mining should be limited to 90 m and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
4. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
5. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
6. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
7. *The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
8. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
9. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
10. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR*
11. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*

12. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
13. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
14. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
15. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
16. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
17. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
18. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
19. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
20. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
21. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL*

*(Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

22. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

23. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.17**

**Environmental Clearance for Ordinary Clay Mining project of Sri. Abdul Latheef C. M. for an area of 0.1215 Ha, at Re Survey Block No. 29, Re Survey No. 642/40 in Kavasseri-1 Village, Alathur Taluk, Palakkad  
SIA/KL/MIN/428820/2023, 2268/EC1/2023/SEIAA**

Sri. Abdul Latheef. C. M, Cheruparambil House Kunnukara Post Ernakulam submitted an Environmental Clearance application for the mining of Ordinary Clay on 11.05.2023 for an area of 0.1215 Ha at Re Survey Block No-29, Re Survey No-642/40 in Kavasseri-1 Village of Alathur Taluk, Palakkad.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 1 (One) year, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The excavation activity should not involve blasting.*
- 4. The excavation activity should be restricted to 2m above the groundwater table at the site.*
- 5. The excavation activity should not alter the natural drainage pattern of the area.*
- 6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
- 7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
- 9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
- 10. Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 11. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
- 12. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*



13. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
14. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
15. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
16. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
17. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
18. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
19. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
20. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

### **PART -3**

#### **Item No.1**

**Environmental Clearance for the Granite Building Stone Quarry of M/s. T. J. Granites Pvt. Ltd for an area of 2.0005 Ha at Re-Sy. Nos. 326/1-2, 326/1-3, 326/1-4, 326/1-5 & 326/1-7 in Bharanaganam Village, Meenachil Taluk, Kottayam (SIA/KL/MIN/142846/2020; 1713/EC3/2020/SEIAA)**

Sri. Jaison Jacob, M/s. T. J. Granites Pvt. Ltd., Ramapuram P.O Pala, Kottayam submitted an Environmental Clearance application via PARIVESH on 10.06.2020, for the Granite Building Stone Quarry project for an area of 2.0005 Ha at Re-Sy. Nos. 326/1-2, 326/1-3, 326/1-4, 326/1-5 & 326/1-7 in Bharanaganam Village, Meenachil Taluk, Kottayam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC appraised the project based on Form 2, Pre-Feasibility Report, EIA report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 9 years. After the due appraisal, the SEAC in its 136<sup>th</sup> meeting recommended EC for a Project Life of 9 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

**The Authority decided to issue Environmental Clearance initially for a period of 5 years and then to extend the EC period to cover the project life of 9 years, from the date of execution of mine lease / permit, subject to the review by SEAC at the end of each five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the Environment in the project region.**

The EC is subject to General Conditions and the following Additional Specific Conditions.

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter.*
2. *The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
3. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
4. *The EC issued will be subject to a review by SEAC after each 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
5. *This EC is valid till the District Level Crisis Management Group suspends or withdraws or cancels the NOC.*
6. *Road for the transportation of mined materials should be situated at a considerable distance from the tank constructed as per District Level Crisis Management Group's recommendation.*
7. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
8. *The mining should be limited up to 210m above MSL considering the terrain condition and slope.*
9. *Quarry blasting shall temporarily be stopped if there are two consecutive days of rainfall in the respective village until a completely rain free day occurs.*
10. *No trees in the buffer zone should be removed.*
11. *Buffer zones should be demarcated and additional trees, herbs and climbers should be planted with local plants as mentioned in the biodiversity assessment report.*

12. *Compensatory afforestation plan should be implemented from the 1st year itself and the geo-coordinates and geo-tagged photographs of the site shall be submitted in HYCR.*
13. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.*
14. *The width of the Garland drain should be enlarged towards lower slopes to carry the entire overland flow.*
15. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
16. *Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
17. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented*
18. *The overburden dumping site should be located at the lower slope region and it should protected with gabion walls to prevent erosion.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
20. *The haulage road should be developed and maintained well and dust-free with sprinkling arrangement.*
21. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
22. *The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*

23. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least, 40% of the energy requirement of the project should be met from the solar power.
24. Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.
25. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.
26. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.
27. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.
28. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.
29. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

**Item No.2**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Muhammed Abdul Basheer for an area of 0.3171 Ha at Sy. Nos. 5/7, 6/1B1 in Pattithara Village, Pattambi Taluk, Palakkad SIA/KL/MIN/143579/2020, 1831/EC1/2020/SEIAA**

Sri. C. P. Muhammed Abdul Basheer, Charupadikkal House, Thalakkasseri (P.O), Palakkad submitted an Environmental Clearance application via PARIVESH for the Granite Building Stone Quarry project for an area of 0.3171 Ha at Sy. No. 5/7, 6/1B1 in Pattithara Village, Pattambi Taluk, Palakkad.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 3 years. After the due appraisal, the SEAC in its 147<sup>th</sup> meeting, recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

By considering the recommendation of SEAC with regard to minimum area required for mining granite building stones in Kerala ensuring environmental safeguards, the Authority in its 134<sup>th</sup> meeting has taken certain decisions. Accordingly all those proposals recommended by SEAC to Authority may be referred back to SEAC for fresh consideration. SEAC may examine the possibilities of recommending only these few proposals as one time exemption with reduced benches and reduced quantity suggesting enough safeguards for protection of environment in the project region. SEAC still has the freedom to reject these proposal for valid reasons.

**Hence, the Authority decided to refer back the proposal to SEAC for reappraisal in the light of the decision taken by SEIAA in its 134<sup>th</sup> meeting.**

**Item No.3**

**Environmental Clearance for the Building Stone Quarry project of Sri. Rajan Thomas, for an area of 4.9231 Ha at Re-Sy Nos. 205/3, 205/5, 199/3, 199/8, 199/7, 199/7-1, 199/9, 199/6- 1, 198/1, 198/2, 197/1, 198/5, 198/5-6, 198/4, 207/1, 198/3, 206/2, 206, 206/4, 206/1,**

**206/3 in Kanjirappally Village & Panchayat, Kanjirappally Taluk,  
Kottayam  
(SIA/KL/MIN/164009/2020, 1372/EC2/2019/SEIAA)**

Sri. Rajan Thomas, Maliyekkal House, Aruvithura P.O., Thidanad, Kottayam submitted an Environmental Clearance application for the Building Stone Quarry project on 03<sup>rd</sup> November, 2020, for an area of 4.9231 Ha at Re-Survey Nos. 205/3, 205/5, 199/3, 199/8, 199/7, 199/7-1, 199/9, 199/6- 1, 198/1, 198/2, 197/1, 198/5, 198/5-6, 198/4, 207/1, 198/3, 206/2, 206, 206/4, 206/1, 206/3 in Kanjirappally Village & Panchayat, Kanjirappally Taluk, Kottayam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC appraised the project based on Form 2, Pre-Feasibility Report, EIA report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 10 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting recommended EC for a Project Life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority observed that the SEAC in its 131<sup>st</sup> meeting directed the project proponent to submit clarifications /documents / reports on certain aspects with respect to ToR, as the project proponent failed to attend many of the aspects of the ToR. Even though the project proponent submitted his clarifications on 30.07.2023, the EIA report has not been modified accordingly. Besides, the findings of the additional study and the mitigation measures for the same have not been incorporated in the recommendation of the SEAC.

Further, though it is mentioned that TOR conditions are complied, a careful reading of report of SEAC member, itself reveals that many of the conditions are not complied. Hence SEAC may consider presentation of modified EIA report in relation to TOR, including additional mitigation measures to protect the environment. In addition, the vibration study conducted by NIT Suratkal also has made some recommendations, which is not reflected in the final recommendation. Further there is a complaint by Sri Raju. R. Kadakkayam Valiyaveedu President, Sree Mahakalipara Devaswom, Thampalakkadu PO, Kottayam on the functioning of the quarry.

**In the above circumstances, the Authority decided to refer the proposal to SEAC for a fresh recommendation considering revised EIA report, vibration study report by NIT, Suratkal and after hearing the Complainant.**

**Item No.4                      Environment Clearance for Granite Building Stone Quarry of Sri. Udayan S., for an area of 0.4445 Ha in Survey Nos. 41/6-2, 41/7pt, 41/8pt, 41/9-3, 41/9-4-1 & 41/9-4-1-2 in Velinalloor Village, Kottarakara Taluk, Kollam  
(SIA/KL/MIN/165802/2020, 2191/EC2/2023/SEIAA)**

Sri. Udayan S, 5/221, Navami Kayila, Mylode, Kollam submitted an Environmental Clearance application on 30.12.22 for the Granite Building Stone Quarry project at Survey Nos. 41/6-2, 41/7pt , 41/8pt, 41/9-3, 41/9-4-1 & 41/9-4-1-2 in Velinalloor Village, Kottarakara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 147<sup>th</sup> meeting, recommended EC with the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

By considering the recommendation of SEAC with regard to minimum area required for mining granite building stones in Kerala ensuring environmental safeguards, the Authority in its 134<sup>th</sup> meeting has taken certain decisions. Accordingly all those proposals recommended by SEAC to Authority may be referred back to SEAC for fresh consideration. SEAC may examine the possibilities of recommending only these few proposals as one time exemption with reduced benches and reduced quantity suggesting enough safeguards for protection of environment in the project region. SEAC still has the freedom to reject these proposal for valid reasons.

**Hence, the Authority decided to refer back the proposal to SEAC for reappraisal in the light of the decision taken by SEIAA in its 134<sup>th</sup> meeting.**



**Item No.5**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Raphy John Managing Partner, Hilltop Aggregates for an area of 2.3611 Ha at Survey No. 381/6, 381/59, 381/64, 381/66 in Kanambra1 Village, Alathur Taluk, Palakkad  
SIA/KL/MIN/274473/2022, 2075/EC1/2022/SEIAA**

Sri. Raphy John, Managing Partner, Hilltop Aggregates, Puthusseripady (H), Trikkur Road, Konnikkara P O, Thrissur submitted an Environmental Clearance application on 05.08.2022 for the Granite Building Stone Quarry for an area of 2.3611 Ha at Survey No. 381/6, 381/59, 381/64, 381/66, in Kanambra 1 Village, Alathur Taluk, Palakkad.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC appraised the project based on Form 2, Pre-Feasibility Report, EIA report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 12 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting recommended EC for a Project Life of 12 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

**The Authority decided to issue Environmental Clearance initially for a period of 5 years and then to extend the EC period to cover the project life of 12 years, from the date of execution of mine lease / permit, subject to the review by SEAC at the end of each five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the Environment in the project region.**

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter and the Project Proponent*

*should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*

- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The EC issued will be subject to a review by SEAC after each 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. Considering the depth to water table, the depth of mining should be limited to 60m above MSL instead of the proposed 40m above MSL and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
- 5. The Project Proponent has to comply OM dated 17-05-2022 of MoEF&CC if the project area falls within 10 km radius of Wild Life Sanctuary as per the directions contained in the Honourable Supreme Court Judgement dated 26.4.2023 in IA 13177 of 2022.*
- 6. Since, the project is located within 10 km of Peechi Vazhani Wildlife Sanctuary, the Project Proponent has to obtain Wildlife Clearance from the SCNBWL as per the OM dated 17.05.2022 of MoEF&CC as per the directions in the Hon'ble Supreme Court Judgement dated 26.04.2023 in IA 13177 of 2022 before the commencement of mining.*
- 7. Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
- 8. Copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief Wildlife Warden, Kerala, SEAC, District Collector, Thrissur and Department of Industries GoK, besides others for information and necessary further action.*

9. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
10. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
11. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
12. *The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
13. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
14. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
15. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR*
16. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*
17. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
18. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*

19. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
20. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement should be met from solar power*
21. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
22. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
23. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
24. *As the project site is located in an abandoned quarry the possible and relevant final mine closure activities as per the previous approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly completion report.*
25. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
26. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
27. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which*

*is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

*28. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

*29. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.6**

**Environment Clearance for the Granite Building Stone Quarry Project of Sri. Rejish Abraham, M/s Alphonsa Granites for an area of 0.7879 Ha at Sy. No. 127pt in Thrikkur Village, Mukundapuram Taluk, Thrissur  
SIA/KL/MIN/35199/2019, 1461/EC2/2019/SEIAA**

Sri. Rejish Abraham, Managing Partner, M/s Alphonsa Granites, Room No – 13/188, Opposite LF Church, Poomala (PO), Thrissur submitted an Environmental Clearance application through PARIVESH on 24.04.2019 for the Granite Building Stone Quarry Project for an area of 0.7879 Ha at Sy. No. 127 pt in Thrikkur Village, Mukundapuram Taluk, Thrissur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, the mine life is 3 years. After the due appraisal, the SEAC in its 151<sup>st</sup> meeting, recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

**The Authority decided to issue Environmental Clearance for the project life of 3 (three) years, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter.*
- 2. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 3. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 4. The Project Proponent has to comply OM dated 17-05-2022 of MoEF&CC if the project area falls within 10 km radius of Wild Life Sanctuary as per the directions contained in the Honourable Supreme Court Judgement dated 26.4.2023 in IA 13177 of 2022.*
- 5. Since, the project is located within 10 km of Peechi Vazhani Wildlife Sanctuary, the Project Proponent has to obtain Wildlife Clearance from the SCNBWL as per the OM dated 17.05.2022 of MoEF&CC as per the directions in the Hon'ble Supreme Court Judgement dated 26.04.2023 in IA 13177 of 2022 before the commencement of mining.*
- 6. Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
- 7. Copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief Wildlife Warden, Kerala, SEAC, District Collector, Thrissur and Department of Industries GoK, besides others for information and necessary further action.*
- 8. The ultimate depth of mining should be above local ground water table.*

9. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
10. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
11. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
12. *The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
13. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
14. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
15. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR*
16. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*
17. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
18. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*

19. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
20. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
21. Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
22. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
23. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
24. As the project site is located in an abandoned quarry the possible and relevant final mine closure activities as per the previous approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly completion report.
25. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.
26. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which



*is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

*27. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

*28. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.7**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. K. M. Salim for an area of 0.3840 Ha at Sy. No. 202(P) in Killimangalam Village, Thalappilly Taluk, Thrissur (SIA/KL/MIN/40868/2019, 1447/EC2/2019/SEIAA)**

Sri. K. M. Salim, Kalapurakkal House, Killimangalam Post, Thrissur, submitted an Environmental Clearance application through PARIVESH on 09.08.2019 for the Granite Building Stone Quarry Project for an area of 0.3840 Ha at Sy.No. 202 (P) in Killimangalam Village, Thalappilly Taluk, Thrissur.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 2 year. After the due appraisal, the SEAC in its 143<sup>rd</sup> meeting, recommended EC with the project life of 2 year, subject to certain Specific Conditions in addition to the General Conditions.

By considering the recommendation of SEAC with regard to minimum area required for mining granite building stones in Kerala ensuring environmental safeguards, the Authority in its 134<sup>th</sup> meeting has taken certain decisions. Accordingly all those proposals recommended by SEAC to Authority may be referred back to SEAC for fresh consideration.

SEAC may examine the possibilities of recommending only these few proposals as one time exemption with reduced benches and reduced quantity suggesting enough safeguards for protection of environment in the project region. SEAC still has the freedom to reject these proposal for valid reasons.

**Hence, the Authority decided to refer back the proposal to SEAC for reappraisal in the light of the decision taken by SEIAA in its 134<sup>th</sup> meeting.**

**Item No. 8                      Environmental Clearance for the Building Stone Quarry project of Sri. Asokan N for an area 0.2448 Ha at Sy. Nos. 7/1 part & 7/20 part in Veliyam Village, Kottarakara Taluk, Kollam.  
[SIA/KL/MIN/43206/2019, 1489/EC2/2019/SEIAA]**

Sri. Asokan N, 1<sup>st</sup> Floor, Olippil Complex, Kottiyam, Kollam, Kollam submitted an Environmental Clearance application *via* PARIVESH Portal on 19.11.2019, for the Granite Building Stone Quarry project, for an area of 0.2448 Ha in Sy. Nos. 7/1 part & 7/20 part, of Veliyam Village, Kottarakara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 136<sup>th</sup> meeting, recommended EC with the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

By considering the recommendation of SEAC with regard to minimum area required for mining granite building stones in Kerala ensuring environmental safeguards, the Authority in its 134<sup>th</sup> meeting has taken certain decisions. Accordingly all those proposals recommended by SEAC to Authority may be referred back to SEAC for fresh consideration. SEAC may examine the possibilities of recommending only these few proposals as one time exemption with reduced benches and reduced quantity suggesting enough safeguards for protection of environment in the project region. SEAC still has the freedom to reject these proposal for valid reasons.

Hence, the Authority decided to refer back the proposal to SEAC for reappraisal in the light of the decision taken by SEIAA in its 134<sup>th</sup> meeting.

**Item No.9**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. K. M. Stephen at Block No. 27 (Re-Sy. Block no. 37) Re-Sy. Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1, in Karimannur Village, Thodupuzha Taluk, Idukki - WP(C) No. No. 36171 of 2022 & WP(C) No. 20030 of 2023 filed by Sri. Vincent K. George, WP(C) No. 25442 of 2023 filed by Sri. Johny Ulahannan & WP (C) No.26634/2023 filed by Sri. K. M. Stephen  
(SIA/KL/MIN/405925/2022; 1527/EC1/2019/SEIAA)**

Sri. K. M. Stephen, Kaniyarkuzhiyil, Karimkunnam P.O, Idukki submitted an Environmental Clearance application via PARIVESH on 20.11.2019 for the Granite Building Stone Quarry for an area of 4.9003 Ha (12.1086 Acres) at Block No. 27, (Re-Sy. Block No. 37) Re-Sy. Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1, in Karimannur Village, Thodupuzha Taluk, Idukki, Kerala.

The Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Filed Inspection Report. As directed by the Hon'ble High Court in WP(C) No. 36171 of 2022, the SEAC heard the complainant, Sri. Vincent K. George and project proponent in its 140<sup>th</sup> meeting held on 13<sup>th</sup> to 15<sup>th</sup> March 2023 and sought detailed hearing note from both parties within 2 weeks.

The project proponent submitted a detailed hearing note on 11.04.2023 answering the allegation of the complainants. The complainant, Sri. Vincent K. George has not submitted the hearing note even after the prescribed time period. The District Collector vide Letter dated 27.03.2023 stated that the water tank is at a distance of 2.5 km. After the due appraisal, the SEAC in its 135<sup>th</sup> and 143<sup>rd</sup> meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

In the meantime, Sri. Johny Ulahannan, another complainant filed WP(C) No. 25442 of 2023 before the Hon'ble High Court with a prayer to give a chance of hearing before taking a decision. Authority sought a legal opinion from the Standing Counsel. The Authority heard the project proponent and the complainant Sri. Johny Ulahannan in the 134<sup>th</sup> meeting held on 13<sup>th</sup> & 14<sup>th</sup> November 2023 and sought a detailed hearing note from both the parties to substantiate their claims.

The Authority examined the hearing notes vide dated 20.11.2023 and 18.11.2023 submitted by the project proponent and the complainant respectively. Authority noticed that the Sri. Vincent K. George has not yet submitted the hearing note as directed by the SEAC in its 140<sup>th</sup> meeting. The Standing Counsel vide its email dated 01.11.2023 opined that since, the petitioner in WP (C) 25441/23 has been afforded with an opportunity of hearing, there is no legal impediment for SEIAA in further proceedings with the application submitted by Sri. K. M. Stephen for grant of EC.

**In the above circumstances, the Authority decided to issue Environmental Clearance for the project life of 5 (five) years, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The validity of Environmental Clearance is subject to the final verdict of the Hon'ble High Court in WP(C) No. No. 36171 of 2022 & WP(C) No. 20030 of 2023 filed by Sri. Vincent K. George, WP(C) No. 25442 of 2023 filed by Sri. Johny Ulahannan & WP (C ) No.26634/2023 filed by Sri. K. M. Stephen.*
- 2. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter.*
- 3. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 4. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 5. Minimum 50m buffer area or the safe distance for mining should be clearly provided from the house Sri Johny Ulahannan before the commencement of mining and sketches of the same shall be submitted to the Authority.*

6. *The mining should be limited to the depth of 95m above MSL, considering the depth to water table reported as 90m above MSL. The mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
7. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
8. *Blasting should be conducted with a maximum of 30 holes in a blast round using 32mm diameter blast holes drilled with handheld Jack hammer drill to a maximum depth of 1.5m and each hole charged with a maximum of 250gm of explosive.*
9. *NONEL based shock-tube detonators should be used for initiation so as to have hole to hole delay of 17ms and 25ms and accordingly row to row delay of 25ms or 42ms.*
10. *Adequate muffling arrangements should be made to restrict fly rocks within 10m.*
11. *The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
12. *The garland canal, silt traps, siltation pond and outflow channel covering the entire project area should be provided with immediate effect. The outflow channel should be connected to the nearest natural drain.*
13. *The siltation pond should be set up at the bottom portion of the site so as to prevent outflow of turbid water.*
14. *The proponent should periodically clean and maintain the garland canal, silt traps, outflow channel and connected drains and geo-tagged photographs of the activity should be submitted along with Half Yearly Compliance Reports.*
15. *The garland canal, catch water drains, silt traps, water holding and clarifier pond and outflow channel should be cleaned and desilted periodically and geo-tagged*

*photographs of the process should be included in the Half Yearly Compliance Report.*

- 16. Overburden dumping site should be provided with protective walls in the lower slope portion of the project area and overburden dump should be protected with retention wall of appropriate height.*
- 17. Planting of trees of local species on both sides of the road within the project site should be completed prior to commencement regular mining.*
- 18. The green belt should be developed and nurtured on a regular basis and the status of the green belt should be uploaded along with geo-tagged photographs in the HYCR*
- 19. Compensatory afforestation should be done with indigenous species of trees as mentioned in the biodiversity in the land earmarked for the purpose. The geo-tagged photographs of the compensatory afforestation site should be uploaded along with the HYCR.*
- 20. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR*
- 21. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).*
- 22. Adequate sanitation, waste management and rest room facilities should be provided to the workers*
- 23. The overburden material should be stored at the designed place and the height of the retaining wall should be raised appropriately for protecting the overburden stock.*
- 24. It is desirable to erect a temporary barrier with light roofing material covering the boundary of the project area connecting Boundary Pillar No. 5, 4, 3, 2, 1, 21, 20, 19, 18, 17 and 16.*
- 25. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least, 40% of the energy requirement of the project should be met from the solar power.*
- 26. Adequate measures should be adopted to harvest the rainwater as per the guidelines*

*issued by the Central Groundwater Authority.*

- 27. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 28. As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
- 29. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 30. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 31. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

## **CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE**

### **(Extension/Amendment/Corrigendum)**

**Item No.1**                      **Extension of EC for the Granite Building Stone Quarry Project of Sri. Sivasankaran P. for an area of 2.9103 Ha at Sy Nos. 318/1/1, 318/1/2, 318/3 pt, 318/4, 319 pt in Thiruvalli Village, Nilambur Taluk, Malappuram (SIA/KL/MIN/252208/2022, 857/SEIAA/EC1/2981/2015)**

Sri. Sivasankaran P. S/o Kunhiraman Nair, Pothalakkal House, Naduvath P.O, Wandoor, Malappuram submitted an extension of Environmental Clearance application through PARIVESH on 22.01.2022 for the Granite Building Stone Quarry Project for an area of 2.9103 Ha at Sy Nos. 318/1/1, 318/1/2, 318/3 pt, 318/4, 319 pt in Thiruvalli Village, Nilambur Taluk, Malappuram.

The Authority noticed that the SEAC in its 151<sup>st</sup> meeting discussed the field inspection report conducted on 30.07.2023 and noted serious violation of the following EC conditions:

1. There are 3-4 abandoned quarries near the present project site and mining was undertaken unscientifically in all these sites. The flanks are steeply sloping to sub vertical level and quarrying was done without any bench formation. The worked-out areas with very steep cliff-like features do not have fencing and are not demarcated as danger zones with sign boards.
2. The proponent, as part of the EC issued the site earlier, agreed to remove top soil and mine waste during the operation, and the same will be stocked at pre-determined place and subsequently used for plantation and back filling of mine pits. This was not done and as a result, several meters of thick overburden is seen interspersed with cut out rocks throughout the quarry site.
3. The entire storm water from the quarry pit is let out without clarification to nearby areas. The recently built silt traps are non-functional due to unscientific construction. A higher extent of sheet erosion is noticed in the project site. The non compliance of this EC condition has resulted in severe water and soil pollution in the Project region.



Based on discussions, the SEAC recommended to SEIAA for issuing Stop Memo urgently. The project proponent may also be directed to rectify the following non-compliance of EC conditions and submit a compliance report within 3 months.

1. The boundary pillars are to be firmly fixed and geo tagged photos of the same have to be submitted.
2. Benches in the mined-out areas are to be corrected and proof of the same has to be submitted.
3. Overburden, topsoil and mine waste dump should be stalked in areas as specified in the mine plan and should be protected with gabion wall.
4. Garland drains are to be provided for the entire mine site and scientifically constructed silt traps have to be provided for the entire mine area (the present silt traps constructed is not functional).
5. The green belt should be developed all along the buffer zone with indigenous species and a report with regard to the afforestation activities undertaken has to be submitted along with geo-tagged photographs.
6. Certified report from the Mining & Geology Department regarding balance mineable resource available for the area for which the EC was issued.
7. Proof of fencing done and sign boards fixed along the worked-out areas (old quarry) with very steep cliff-like features.
8. A Comprehensive Environmental Management Plan incorporating appropriate mitigation measures to overcome the environmental issues should be prepared and submitted to the Authority.

**In the above circumstances, the Authority decided the following:**

- a. **To direct the project proponent to comply all the observations made by SEAC within 3 months and submit a compliance report. Otherwise, the**

**Environmental Clearance will be cancelled at the project proponent's risk and cost and his application for extension of EC will not be considered.**

- b. Submit a revised statement of facts on priority to defend the WP(C) No. 34223/2022 incorporating the observation of SEAC and decision of the Authority.**
- c. The SEIAA Secretariat should place this item before the Authority in the next SEIAA meeting, with all necessary documents, interim orders, if any and the present status of the WP(C).**

**Item No.2**

**Renewal of Environment Clearance for the Granite Building Stone project of Sri. Binil K John, Managing Partner, M/s Valluvanad Granites for an area of 4.8120 Ha at Survey Nos. 2/2 & 5/2 in Lakkidi-Perur I Village, Ottapalam Taluk, Palakkad SIA/KL/MIN/162964/2020, 125/SEIAA/KL/2335/2013**

Sri. Binil K John, Managing Partner, M/s Valluvanad Granites, Nellikurissi, Mulanjoor P.O., Ottapalam submitted application on 11.08.2020 for renewal of Environmental Clearance for the Granite Building Stone Quarry for an area of 4.8120Ha at Survey Nos. 2/2 & 5/2 in Lakkidi-Perur I Village , Ottapalam Taluk, Palakkad.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that after the due appraisal, the SEAC in its 146<sup>th</sup> meeting recommended extension of EC for the remaining period of 3 years subject to certain Specific Conditions in addition to the General Conditions. The Authority in its 130<sup>th</sup> meeting noted that the District Collector, vide letter dated 22.12.2021 forwarded a report of Ottappalam Sub Collector regarding the functioning of the quarry and refer back the proposal to SEAC for detailed scrutiny. Accordingly the SEAC in its 151<sup>st</sup> meeting suggested certain additional mitigative measures with respect to the report of the Sub Collector.

**The Authority decided to issue extension of Environmental Clearance for the remaining period of 3 years subject to following Specific Conditions in addition to the General Conditions.**

- 1. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli),*

*Syzygium cumini* (Njaval), *Writia tinctoria* (Dhanthapala) , *Ficus bengalensis* (Peral), *Ficus racemosa* (Atti), *Bambusa bamboos* (Mullumula), *Dendrocalamus strictus* (Kallan mula), *Strychnos nuxvomica* (Kanjiram), *Terminalia cattappa* (Thanni), *Schleicher oleosa* (Poovam), *Artocarpus hirsutus* (Ayiniplavu) etc.

2. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
3. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*
4. *The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report (HYCR).*
5. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
6. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
7. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
8. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites.*
9. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
10. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
11. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*

12. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.
13. Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
14. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
15. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
16. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.
17. Temporary wall of height 5m should be erected at the boundary pillars wherever there are building within 200m.
18. Constitute a monitoring committee comprising representative of local residents, Local ward member, PP and Mining Engineer to monitor the implementation of the EC conditions and blasting.
19. The project proponent should submit a Compliance report within 6 months after adopting all the above specific conditions and SEAC shall verify the compliance.
20. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.
21. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance

*of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

*22. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.3**

**Environmental Clearance for the Granite Building Stone Mining Project of M/s K Lekshmanan Infrastructure and Industries Pvt. Ltd for an area of 0.9812 Ha in Sy Nos. 222/4, 222/5, 222/28, 222/14, 229/1- 2, 229/15, 229/15-2-1, 229/15-2-2 (Pvt Land) and 222/13, 222/21, 222/23, 222/24 (Govt Land) in Chadayamangalam Village, Kottarakkara, Taluk, Kollam (SIA/KL/MIN/303257/2023, 1730/EC2/2020/SEIAA)**

M/s K Lekshmanan Infrastructure and Industries Pvt Ltd submitted an application for Environmental Clearance for the Granite Stone Mining Project for an area of 0.9812 Ha in Survey Nos. 222/4, 222/5, 222/28, 222/14, 229/1- 2, 229/15, 229/15-2-1, 229/15-2-2 (Pvt Land) and 222/13, 222/21, 222/23, 222/24 (Govt Land) in Chadayamangalam Village, Kottarakkara, Taluk, Kollam.

The Authority perused the item and noticed that after the due appraisal, the SEAC in its 127<sup>th</sup> meeting, recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions. The Authority in its 118<sup>th</sup> meeting observed that the Mining Plan is approved only for 1 (one) year and hence Environmental Clearance (No.177/Q/2022) dated 07.11.2022 was issued to the project for one year. Now the project proponent submitted a new proposal with a revised Mining Plan approved on 27.07.2023 for 3 years. The Committee in its 151<sup>st</sup> meeting held on 16<sup>th</sup> to 18<sup>th</sup> October 2023 recommended modification of EC to the mine life of 3 years subject to certain specific conditions in addition to the general condition.

**The Authority decided to issue modification of Environmental Clearance for the project life of 3 (three) years, subject to the following Specific Conditions in addition to the General Conditions.**

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter.*

2. *The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
3. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
4. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
5. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
6. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
7. *The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
8. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
9. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
10. *167 trees are proposed to be cut for quarrying operation. The area mostly has exposed rock, so compensatory afforestation should be done during the 1st year itself and geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR*

11. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*
12. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
13. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
14. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
15. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
16. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
17. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
18. *The access road should be developed to ensure hindrance-free road transportation and adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
19. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
20. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost*

*for implementation of CER activities shall be 2% of the project cost.*

- 21. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 22. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 23. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

### **CONSIDERATION OF TOR PROPOSALS**

#### **Item No.1**

**Terms of Reference for the Granite Building Stone Quarry of M/s. Travancore Granites for an area of 4.9101 Ha at Sy Nos. 442/2pt, 442/3pt, 442/4pt & 452/2-2pt in Valakom Village, Kottarakkara Taluk, Kollam.  
(SIA/KL/MIN/444411/2023, 2388/EC1/2023/SEIAA)**

M/s. Travancore Granites, Building No. II/326, Ummannoor, Kampamcode, Vayakkal PO, Kottarakkara submitted ToR application for the Granite Building Stone Quarry for an area of 4.9101 Ha at Sy Nos. 442/2pt, 442/3pt, 442/4pt & 452/2-2pt in Valakom Village, Kottarakkara Taluk, Kollam.

The Authority noted that SEAC in its 151<sup>st</sup> meeting recommended the Standard ToR with certain additional studies. The Authority noticed that as per the Cluster Certificate dated 30.12.2022 there are two other quarries within the radius of 500m and altogether having an area of 9.2262 Ha.



**The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study.**

- 1. The management plan for the water storage at 20m depth, near the proposed project.*
- 2. Details of the proposed water sources for the project including the yield characteristics and source sustainability*
- 3. Hydrological and hydrogeological characteristics of the area and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.*
- 4. Vibration studies to evaluate the zone of influence and impact of blasting on the neighbourhood as suggested in para (e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10- 2014 of MoEF&CC.*

**Item No.2**

**Terms of Reference for the Granite Building Stone Quarry of Sri. Prakash N for an area of 2.7123 Ha at Re-Sy Block No. 49, Re-Sy No: 229 in Vandazhi I Village, Alathur Taluk, Palakkad (SIA/KL/MIN/443257/2023, 2382/EC3/2023/SEIAA)**

Sri. Prakash N, Prakash Nivas, Mudappallur P.O, Alathur, Palakkad submitted ToR application on 07.09.23 for the Granite Building Stone Quarry, for an area of 2.7123 Ha at Re-Sy Block No. 49, Re-Sy No: 229 in Vandazhi I Village, Alathur Taluk, Palakkad, Kerala.

The Authority noted that SEAC in its 151<sup>st</sup> meeting recommended the Standard ToR with certain additional studies. The Authority noticed that as per the Cluster Certificate dated 21.07.2023 there are three other quarries within the radius of 500m and altogether having an area of 12.562 Ha.

**The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study.**

- 1. Traffic management study.*
- 2. Details of the proposed water sources for the project including the yield characteristics and source sustainability.*

3. *Hydrological and hydrogeological characteristics of the area and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.*
4. *Post mine water harvesting potential of the site and its utilization potential as well as management plan.*
5. *Vibration studies to evaluate the zone of influence and impact of blasting on the neighbourhood as suggested in para (e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10- 2014 of MoEF&CC.*

**Item No.3**      **Terms of Reference for the Granite Building Stone Quarry project of Sri. Shiju Thomas for an area of 2.6261 Ha at Sy Nos. 17/1, 17/2-1pt, 17/2-2pt, 17/3pt & 17/3-1pt in Karimannoor Village, Thodupuzha Taluk, Idukki**  
**SIA/KL/MIN/444645/2023, 2397/EC2/2023/SEIAA**

Sri. Shiju Thomas, Pallivathukkal House, Chilavu PO, Idukki submitted ToR application on 27.09.2023 for the Granite Building Stone Quarry project for an area of 2.6261 Ha at Sy Nos. 17/1, 17/2-1pt, 17/2-2pt, 17/3pt & 17/3-1pt in Karimannoor Village, Thodupuzha Taluk, Idukki

The Authority noted that SEAC in its 151<sup>st</sup> meeting recommended the Standard ToR with certain additional studies. The Authority noticed that as per the Cluster Certificate dated 01.09.2023 there is another quarry within the radius of 500m and altogether having an area of 10.0851 Ha.

**The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study.**

1. *Hydrological and hydrogeological characteristics of the site and surrounding areas and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.*
2. *Evaluate the possibility of landslide risk associated with the site and surrounding areas.*

3. *Details of the proposed water sources for the project including the yield characteristics and source sustainability*
4. *Vibration studies to evaluate the zone of influence and impact of blasting on the neighbourhood as suggested in para (e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10- 2014 of MoEF&CC.*

**Item No.4**

**Terms of Reference for the Granite Building Stone Quarry Project of Sri. Babu Nayem for an area of 2.9926 at Re-Sy. Nos. 1012/56, 1012/27 in Melmuri Village, Ernad Taluk, Malappuram SIA/KL/MIN/437072/2023, 2399/EC1/2023/SEIAA**

Sri. Babu Nayem, Moothedath, Morayur, Mongam PO, Malappuram submitted the ToR application for the Granite Building Stone Quarry Project for an area of 2.9926 at Re-Sy. Nos. 1012/56, 1012/27 in Melmuri Village, Ernad Taluk, Malappuram.

The Authority noted that SEAC in its 151<sup>st</sup> meeting recommended the Standard ToR with certain additional studies. The Authority noticed that as per the Cluster Certificate dated 20.05.2023 there are four other quarries within the radius of 500m and altogether having an area of 14.2145 Ha.

**The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study.**

1. *Landslide susceptibility of the proposed site and surrounding areas.*
2. *Hydrological and hydrogeological characteristics of the area and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.*
3. *Details of the proposed water sources for the project including the yield characteristics and source sustainability*
4. *Suggestions for avoiding the impact of the project on the nearby Arts & Science College and its functioning*

5. *Vibration studies to evaluate the zone of influence and impact of blasting on the neighbourhood as suggested in para (e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10- 2014 of MoEF&CC.*

**Item No.5**

**Terms of Reference for the Granite Building Stone Quarry Project of Sri. Prince George for an area of 0.4046 Ha at Survey Nos. 391/5/7/19 in Varappetty Village, Kothamangalam Taluk, Ernakulam.  
(SIA/KL/MIN/441983/2023, 2387/EC1/2023/SEIAA)**

Sri. Prince George, Parickal House Varappetty P.O, Ernakulam submitted a ToR application for the Granite Building Stone Quarry Project for an area of 0.4046 Ha at Survey No.391/5/7/19 in Varappetty Village, Kothamangalam Taluk, Ernakulam.

The Authority noted that SEAC in its 151<sup>st</sup> meeting examined the environmental feasibility of mining of granite building stones in a lease area of 0.5 Ha or less and found that it is difficult to ensure required environmental safeguards for mining in such small areas. In other words, if mining is permitted in a lease of 0.5 Ha or less, the stipulated environmental safeguards may be compromised to make the project viable. For ensuring environmental safeguards, the Authority in its 134<sup>th</sup> meeting, agreed to the decision of SEAC regarding the minimum area required for mining granite building stones in Kerala and had taken a decision that all the active / live applications with area 0.5 Ha or less received and pending for the appraisal by SEAC need not be appraised further as per the Clause 3 (3) of Environmental Protection Act 1986.

Considering the detailed report approved by the SEAC regarding the viability of mining in area less than 0.5 Ha, the Committee recommended rejection of the ToR proposal. The Authority perused the proposal and noted the request dated 21.11.2023 of the project proponent and **decided to reject the application since the area is less than 0.5 Ha, as recommended by SEAC.**

**Item No.6**

**Terms of Reference for the Development of additional RESA and augmentation of CNS facilities at Calicut Airport submitted by Airports Authority of India.  
(SIA/KL/INFRA2/440755/2023, 2370/EC1/2023/SEIAA)**

Application for ToR submitted by Airports Authority of India for the development of additional RESA on either end of Runway 10-28 and relocation and augmentation of CNS facilities (Construction of embankment with slope protection, drainage system and associated works for additional RESA on either end on Runway 10-28) at Calicut Airport.

The Authority observed that SEAC in its 151<sup>st</sup> meeting found that the initial EC for the project was given EC by MoEF in 2015. The present proposal is for the modification and modernization of the existing EC. Accordingly, the Committee recommended Standard ToR for the EIA study.

**The Authority decided to approve the Standard Terms of Reference under Category 7(a) “Airports” for EIA Study.**

**Item No.7**

**Terms of Reference for the proposed Granite Building Stone Quarry of Sri. K.I. Arumughan, Managing Director, M/s. Marath Enterprises & Crushers Pvt. Ltd for an area of 4.1030 Ha at Re Survey No. 197/5, 197/6, 197/2, 369/1-2, 194/11-1, 194/4, 194/11, 194/14-2, 194/12, 194/10-1, 194/13, 369/1-1 in Koppam Village, Pattambi Taluk, Palakkad  
(SIA/KL/MIN/443641/2023, 2379/EC2/2023/SEIAA)**

Sri. K.I. Arumughan, Managing Director, M/s. Marath Enterprises & Crushers Pvt. Ltd, Koppam Village, Pattambi Taluk, Amayur P.O, Palakkad submitted the ToR application on 09.09.2023 for the Granite Building Stone Quarry for an area of 4.1030 Ha at Re Survey No. 197/5, 197/6, 197/2, 369/1-2, 194/11-1, 194/4, 194/11, 194/14-2, 194/12, 194/10-1, 194/13, 369/1-1 in Koppam Village, Pattambi Taluk, Palakkad, Kerala

The Authority noted that SEAC in its 151<sup>st</sup> meeting recommended the Standard ToR with certain additional studies. The Authority noticed that as per the Cluster Certificate dated 03.08.2023 there is another quarry within the radius of 500m and altogether having an area of 6.5953 Ha.

**The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study.**

1. *Study on the particulate matter by providing an additional 16 monitoring stations within the stipulated impact zone.*
2. *Comprehensive drainage plan considering all the quarries within 500m radius.*
3. *Details of the proposed water sources for the project including the yield characteristics and source sustainability.*
4. *Hydrological and hydrogeological characteristics of the area and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.*
5. *Post mine water harvesting potential of the site and its utilization potential as well as management plan.*
6. *Vibration studies to evaluate the zone of influence and impact of blasting on the neighbourhood as suggested in para (e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10- 2014 of MoEF&CC.*

## **General Decisions**

### **1. Review of pending files in Parivesh Portal**

To dispose the backlog of pending applications, the Authority directed the SEIAA Secretariat to prepare a status report of the applications pending for more than 365 days in tabular form indicating nature of pendency, suggested action for clearance and decisions required. The Authority also decided to direct the SEAC to expedite the processing of pending applications. Additionally, it is also decided to place the review of pending files as an agenda item in every SEIAA meeting.

### **2. Addressing the observations made during field inspection**

SEAC shall ensure that all the important observations made during field inspection are addressed during subsequent appraisal and there shall be proper recommendation to address the field observations.

### **3. Training on Parivesh 2.0**

The Authority noticed that the MoEF&CC has launched the new PARIVESH Portal 2.0 with an advanced Decision Support System (DSS) that can help reduce the field inspections and facilitate quick and definite decisions by the SEAC. Therefore, the Authority decided to request MoEF&CC to conduct a training session on PARIVESH 2.0 for members of SEAC and SEIAA and all concerned staff of SEIAA. The NIC coordinator in SEIAA to co-ordinate the training.

### **4. District Survey Report (DSR) for Minor Minerals– Reminder**

The Authority has taken note of the 113<sup>th</sup> SEIAA's decision that the District Survey Reports for Minor Minerals be revised in accordance with S.O 3611(E) dated 25<sup>th</sup> July 2018 issued by MoEF&CC. The Hon'ble Supreme Court and Hon'ble NGT have also emphasized the importance DSRs in granting Environmental Clearances for mining projects. In light of this, the Authority has already informed the Mining and Geology Department to expedite the revision of the DSRs. However, the Mining and Geology Department has submitted only the DSRs of two districts (Kollam and Kannur) for the approval of SEIAA and they are under the scrutiny of SEAC.

**Under these circumstances, the Authority has decided the following:**

1. To inform the Mining and Geology Department to expedite the revision of the DSRs and to ensure their timely submission to SEIAA. A DO letter from the Member Secretary/the Secretary (Environment) shall be issued to Director, Mining and Geology Department explaining the importance of DSR and consequences on mining operations in the state without a approved DSR.
2. The SEAC shall take necessary steps to expedite the scrutiny of the already submitted District Survey Reports.

**Sd/-**  
**Dr. H. Nagesh Prabhu IFS (Retd)**  
**Chairman, SEIAA**

**Sd/-**  
**Sri. K.Krishna Panicker**  
**Expert Member, SEIAA**

**Sd/-**  
**Dr. Rathan U. Kelkar, IAS**  
**Member Secretary, SEIAA**