

# **PARIVESH FILES**

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

### **Item No.1**

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Abdul Majeed, Managing Partner & Authorized Signatory, M/s. Manjeri Blue Metals for an area of 0.4998 Ha in Survey No.310/14, 311/12 in Kavanur Village, Ernad Taluk, Malappuram, Kerala  
(SIA/KL/MIN/130330/2019; 1924/EC6/2021/SEIAA)**

Sri.Abdul Majeed, Managing Partner & Authorized Signatory, M/s. Manjeri Blue Metals, Amayur P.O, Malappuram submitted an application for Environmental Clearance through PARIVESH on 20.07.2021 for the Granite Building Stone Quarry Project for an area of 0.4988 Ha in in Survey No.310/14, 311/12 in Kavanur Village, Ernad Taluk, Malappuram District, Kerala.

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 proposal based on Form 2, Pre-Feasibility Report, Mining Plan, and the Evaluation Report. After the due appraisal, the SEAC in its 133<sup>rd</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, 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*

3. *Development of green belt should be initiated prior to the commencement of mining operation.*
4. *Compensatory afforestation should be initiated prior to the commencement of mining.*
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. *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 compliance report.*
7. *Gabion wall of appropriate height should be provided at the overburden dumping site.*
8. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
9. *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).*
10. *The haulage road should be maintained well with frequent sprinkling.*
11. *Adequate sanitation, waste management and restroom facilities should be provided to the workers.*
12. *Adequate energy conservation measures proposed should be implemented including solar power installations.*
13. *Adequate slope stabilization measures should be undertaken in areas with steep slopes.*
14. *The proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
15. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
16. *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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of the activities proposed. The follow-up action on*

*implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

- 17. 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.*
- 18. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEFCC, 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.*
- 19. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.2**

**Environmental Clearance to Smt. K. Reema, M/s Kudiyanmala Granites for the Proposed Granite Building Stone Quarry Project in Re.Sy.No.292/1A in Naduvil Village, Taliparamba Taluk, Kannur, Kerala  
(SIA/KL/MIN/131195/2019 1577/EC3/2019/SEIAA)**

Smt. K. Reema, Director, Kudiyanmala Granites, Malabar Villa, Irikkur P.O, Kannur submitted an application through PARIVESH on 14.12.2019 for Environmental Clearance in SEIAA for the proposed Granite Building Stone Quarry Project for an area of 0.8893 Ha, in Re.Sy.No.292/1A in New Naduvil Village, Taliparamba Taluk, Kannur, Kerala.

The Authority noted the action taken by SEAC in its 115<sup>th</sup>, 126<sup>th</sup>, 128<sup>th</sup>, 131<sup>st</sup> & 133<sup>rd</sup> meetings held on different dates. The Committee in its 133<sup>rd</sup> meeting decided to reject the proposal based on the Precautionary Principle due to the following reasons.

- The site is located at the mid-slope region of a very steep hill range of height 750m above MSL. The slope of the project site is also extremely steep.
- The proximity of the proposed site to the High Hazard Zone indicates that the hazard potential of the site is extremely high.
- The boulders of moderate size spread over the project area enhances the accident potential.

**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 Building Stone Quarry Project of Sri. A M Chackochan in Re-Sy. Nos. 272/3, 272/4, 272/5, of Elamadu Village, Kottarakara Taluk, Kollam, Kerala  
(SIA/KL/MIN/132154/2019, 1618/EC2/2019/SEIAA)**

Sri. A. M. Chackochan, submitted an application for Environmental Clearance *via* PARIVESH Portal on 14.03.2020, for the mining of Granite Building Stone Quarry, for an area of 0.7969 Ha. in Re-Sy Nos. Re-Sy. Nos. 272/3, 272/4, 272/5 of Elamadu Village, Kottarakara Taluk, Kollam, Kerala.

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 proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133<sup>rd</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, 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Development of green belt should be initiated prior to the commencement of mining operation.*
- 4. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 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. 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 compliance report.*
- 7. Gabion wall of should be provided at the overburden dumping site.*
- 8. There will be five working quarries within 500 m radius. Hence a time schedule must be prepared by the project proponent for blasting and transportation of materials from these quarries, to avoid simultaneous blasting and traffic congestion. Copy of the time schedule must be made available to SEIAA, District Officer, Mining & Geology, local police station and Grama Panchayat.***
- 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. *The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling.*
12. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
13. *Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office.*
14. *The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
15. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
16. *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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
17. *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.*
18. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEFCC, 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.*

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

***The Authority also decided to forward the complaint from Sri Ashraff Mohammed to the District Collector, Kollam for further necessary action.***

**Item No.4                      Environmental Clearance for the Building Stone Quarry project of Sri. A. M. Chackochan in Re-Sy. No. 244/2, of Elamadu Village, Kottarakara Taluk, Kollam, Kerala (SIA/KL/MIN/135534/2020, 1677/EC2/2020/SEIAA)**

Sri. A M Chackochan, submitted an application for Environmental Clearance via PARIVESH Portal on 28.05.2020, for the mining of Granite Building Stone Quarry, for an area of 0.3615 Ha. in. Re-Sy. No. 244/2 of Elamadu Village, Kottarakara Taluk, Kollam, Kerala.

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 proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133<sup>rd</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, 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 its amendments*

- thereby.
2. *The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
  3. *Development of green belt should be initiated prior to the commencement of mining operation.*
  4. *Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
  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. *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 compliance report.*
  7. *Gabion wall of should be provided at the overburden dumping site.*
  8. ***There will be five working quarries within 500 m radius. So schedule must be prepared for blasting and transportation of materials from these quarries to avoid simultaneous blasting and traffic congestion. Copy of the schedule must be made available to SEIAA, District Officer, Mining & Geology, local police station and Grama Panchayat.***
  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 (8.30am to 10.00am) and afternoon (3.30pm to 5 pm).*
  11. *The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling.*
  12. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
  13. *Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*



14. *The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
15. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
16. *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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
17. *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.*
18. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEFCC, 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 the 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.*
19. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

*The Authority also decided to forward the complaint from Sri Ashraff Mohammed to the District Collector, Kollam for further necessary action.*

**Item No.5**      **Environment Clearance for Granite Building Stone Quarry project of Sri. Maneesh P Mohanan” over an extent of 0.8586 Ha. (2.1216 Acres) at Sy. Nos. 476/1/15, 476/1/15, 477/2, 477/2/2, 477/2/4, Thirumarady Village, Muvattupuzha Taluk, Ernakulam, Kerala  
(SIA/KL/MIN/139351/2020; File No: 1714/EC3/2020/SEIAA)**

Sri. Maneesh P. Mohanan, submitted an application for Environmental Clearance via PARIVESH Portal on 28/01/2020, for the mining of Granite Building Stone Quarry, for an area of 0.8586 Ha. at Sy. Nos. 476/1/15, 476/1/15, 477/2, 477/2/2, 477/2/4, Thirumarady Village, Muvattupuzha Taluk, Ernakulam, Kerala.

The Authority noted the action taken by SEAC in its 130<sup>th</sup>, 131<sup>st</sup> & 133<sup>rd</sup> meetings held on different dates. The Committee in its 133<sup>rd</sup> meeting, from google imagery, observed that there is a built structure at a distance of 20m which is confirmed during the presentation. In the survey map, the structure is classified as a site office which is incorrect as there are no operational quarries in the vicinity. Based on discussions, the Committee decided to reject the proposal as it is not complying with the distance norm.

**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.6**      **Environmental Clearance for the Building Stone Quarry project of Sri. A M Chackochan in Re-Sy. No. 268/1, of Elamadu Village, Kottarakara Taluk, Kollam, Kerala  
(SIA/KL/MIN/140382/2020, 1674/EC2/2020/SEIAA)**

Sri. A M Chackochan, submitted an application for Environmental Clearance via PARIVESH Portal on 28.05.2020, for the mining of Granite Building Stone Quarry, for an area of 0.9957 Ha. in. Re-Sy. No. 268/1 of Elamadu Village, Kottarakara Taluk, Kollam, Kerala.

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 proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133<sup>rd</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, 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Development of green belt should be initiated prior to the commencement of mining operation.*
- 4. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 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. 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 compliance report.*
- 7. Gabion wall of should be provided at the overburden dumping site.*

- 8. *There will be five working quarries within 500 m radius. So schedule must be prepared for blasting and transportation of materials from these quarries to avoid simultaneous blasting and traffic congestion. Copy of the schedule must be made available to SEIAA, District Officer, Mining & Geology, local police station and Grama Panchayat.***
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. *The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling.*
12. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
13. *Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*
14. *The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
- 15. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
16. *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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

17. *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.*
18. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEFCC, 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.*
19. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

***The Authority also decided to forward the complaint from Sri Ashraff Mohammed to the District Collector, Kollam for further necessary action.***

**Item No.7                      Environmental Clearance for the proposed Granite Building Stone Quarry of Sri. Mujeeb P. K. in Sy. Nos. 137/4-11, 137/4-11-1, 137/422, 137/4-21, Thachanattukara-1 village, Mannarkad Taluk, Palakkad (SIA/KL/MIN/149660/2020; 1682/EC1/2020/SEIAA)**

Sri. Mujeeb. P .K., Parakkallil House, Nattukal P O, Palakkad submitted an application for Environmental Clearance via PARIVESH on 21.03.2020 for the proposed Granite Building Stone Quarry for an area of 0.8777 Ha in Sy.Nos.137/4-11, 137/4-11-1, 137/422, 137/4-21 in Thachanattukara-1 village, Mannarkad Taluk, Palakkad.

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

during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting recommended EC for a Project Life of 10 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 the mine as per KMMC Rules, incorporating the scheme of activities to be carried out for the next 5 years.

The Authority also observed that as per the Specific Condition No. 1 of recommendations of SEAC, the depth of mining is limited to 55m above MSL instead of 45m above MSL considering the depth to the groundwater table and hence the total mineable reserve will be reduced to 290160 MT, hence the project life of mine is to be reduced to 9 years.

**Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity of 290160 MT and then to extend the EC period to cover the project life of 9 years, from the date of issuance of the original EC, subject to the review by SEAC at the end of 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 by violating EC conditions.**

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 Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A 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 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. Depth of mining should be limited to 55m above MSL instead of 45m above MSL in*

- the approved Mining Plan considering the depth to groundwater table.*
- 5. Development of green belt should be initiated prior to the commencement of mining operation*
  - 6. Compensatory afforestation should be initiated 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. Haulage road should be developed prior to the commencement of mining and it may be maintained well with frequent sprinkling.*
  - 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 compliance report.*
  - 10. Retaining wall of appropriate height should be provided at the overburden dumping site.*
  - 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 restroom facilities should be provided to the workers prior to the commencement of mining.*
  - 14. Adequate energy conservation measures including solar power installations should be implemented prior to the commencement of mining.*
  - 15. 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.*
  - 16. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
  - 17. 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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal,*



- covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 18. 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.*
- 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 MoEFCC, 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.*

**Item No.8      Environmental Clearance for the proposed Granite / Building stone Quarry of Sri. Muhammed Mammunni in Sy No.142/1 in Thachanattukara-1 village, Mannarkad Taluk, Palakkad SIA/KL/MIN/150672/2020; 1680/EC1/2020/SEIAA**

Sri.Muhammed Mammunni submitted an application for Environmental Clearance via PARIVESH on 02.04.2020 for the proposed Granite Building Stone Quarry in Sy No.142/1 in Thachanattukara-1 village, Mannarkad 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 proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority observed that as per Specific Condition No.1 of recommendation of SEAC, the depth of mining is limited to 100m above MSL instead of 90m above MSL considering the depth to groundwater table and hence the total mineable reserve will be reduced to 224960 MT instead of 257760 MT.

**The Authority decided to issue Environmental Clearance for the project life of 5 (five) years, for the quantity of 224960 MT, 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Depth of mining should be limited to 100m above MSL instead of 90m above MSL in the approved Mining Plan considering the depth to groundwater table.*
- 4. 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.*
- 5. Development of green belt should be initiated prior to the commencement of mining operation*
- 6. Compensatory afforestation should be initiated 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. Haulage road should be developed prior to the commencement of mining and it may be maintained well with frequent sprinkling.*
  - 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 compliance report.*
  - 10. Retaining wall of appropriate height should be provided at the overburden dumping site.*
  - 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 restroom facilities should be provided to the workers prior to the commencement of mining.*
  - 14. Adequate energy conservation measures including solar power installations should be implemented prior to the commencement of mining.*
  - 15. 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.*
  - 16. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
  - 17. 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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular*

- intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 18. 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.*
- 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 MoEFCC, 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.*

**Item No.9**

**Environmental Clearance for the Proposed Granite Building Stone Quarry of Sri. Sasidharan.V, Managing Partner, M/s Deepam Granites in Block No-5, Re-Survey No. 540/5 in Pallassena Village, Chittur Taluk, Palakkad, Kerala  
SIA/KL/MIN/152995/2020, 1681/EC1/2020/SEIAA**

Sri. Sasidharan. V., Managing Partner, M/s Deepam Granites submitted an application for via PARIVESH for the Environmental Clearance for the Proposed Granite Building Stone Quarry for an extent of 0.9992 Ha in Block No-5, Re-Survey No. 540/5 in Pallassena Village, Chittur Taluk, Palakkad, Kerala.

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 proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. After the due

appraisal, the SEAC in its 133<sup>rd</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, 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Development of green belt should be initiated prior to the commencement of mining operation.*
- 4. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 5. 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.*
- 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. 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 compliance report.*
- 8. Retaining wall of appropriate height should be provided at the overburden dumping site.*
- 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. *The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling.*
12. *Adequate sanitation, waste management and restroom facilities should be provided to the workers.*
13. *Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*
14. *The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
15. *The drain water quality should be monitored regularly by an NABL accredited lab and clear water should be flowed into the natural stream.*
16. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
17. *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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
18. *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.*

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 MoEFCC, 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.*

**Item No.10**      **Environmental Clearance for the Proposed Granite Building Stone Quarry of Sri. P. K. Abdul Khader, M/s Fathima Granites in Block no.83, ReSurvey No: 66 of Ambalappara -II Village and Block No.80, Re Sy.No: 287/17 of Ambalappara-I Village in Ottappalam Taluk, Palakkad, Kerala**

**SIA/KL/MIN/153085/2020; 1777/EC1/2020/SEIAA**

Sri. P. K. Abdul Khader, M/s Fathima Granites, Fathima Manzil, Chunangad P. O., Palakkad submitted an application via PARIVESH on 12.05.2020 for the proposed Granite Building Stone Quarry in Block no.83, Re-Sy No: 66 of Ambalappara -II Village and Block No.80, Re-Sy. No: 287/17 of Ambalappara-I Village in Ottappalam Taluk, Palakkad, Kerala for an area of 0.8017 Ha.

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 proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority observed that in the inspection report as well as in the minutes of SEAC the distance to the nearest moderate hazard zone and high hazard zone is noted as 1.90 m and 18.20 m respectively. On verification, it is found that the distances are 1.90 km and 18.20 km respectively.

**The Authority decided to issue Environmental Clearance for the project life of 5 (five) 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Development of green belt should be initiated prior to the commencement of mining operation*
- 4. Compensatory afforestation should be done at the proposed site with local plants as mentioned in the biodiversity assessment and also climbers and herbs prior to commencement of mining and the progress should be documented as geotagged photographs and submitted along with HYCR.*
- 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. Haulage road should be developed prior to the commencement of mining and it may be maintained well with frequent sprinkling.*
- 7. 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 compliance report.*
- 8. Retaining wall of appropriate height should be provided at the overburden dumping site.*



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 restroom facilities should be provided to the workers prior to the commencement of mining.*
12. *Adequate energy conservation measures including solar power installations should be implemented prior to commencement of mining.*
13. *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.*
14. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
15. *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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
16. *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.*
17. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEFCC, 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 the 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.*

*18. 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 Building Stone Quarry project of Sri. S. Sundarasan in Re-Sy Nos: 114/2-1, 115/6-4-2, 113/6, 113/4- 2, 113/13 of Puthoor Village, Kottarakara Taluk, Kollam, Kerala [SIA/KL/MIN/160638/2020; 1721/EC2/2020/SEIAA]**

Sri. S. Sundarasan, submitted an application for Environmental Clearance via PARIVESH Portal on 27.06.2020, for the mining of Granite Building Stone Quarry, for an area of 0.7678 Ha in Re-Sy Nos. 114/2-1,115/6-4-2,113/6,113/4-2 &113/13, of Puthoor Village, Kottarakara Taluk, Kollam, Kerala.

The Authority noticed that in the inspection report the total mineable reserve is recorded as 190938 MT, on verifying the approved Mining Plan it is found that the total mineable reserve is 264060 MT. Since there is a huge discrepancy in the production details, the Authority decided to refer back the proposal to SEAC for further examination and clarification.

**Item No.12**                      **Environmental Clearance for the Granite Building Stone Quarry Project of Mr. Abdul Rasack. P for an area of 2.1509 Ha in Survey No. 95/9-3, 95/7-4 in Mankada Village, Perinthalmanna Taluk, Malappuram, Kerala (SIA/KL/MIN/161069/2020; 1799/EC6/2020/SEIAA)**

Sri. Abdul Rasack. P. Pattakkal House, Vadakkangara P.O, Malappuram submitted an application for Environmental Clearance through PARIVESH on 29.04.2021 for the Granite Building Stone Quarry Project for an area of 2.1509 Ha in Survey No. 95/9-3, 95/7-4 in Mankada Village, Perinthalmanna Taluk, Malappuram, Kerala.

The Authority noticed that there is a complaint received from Sri. Abdu Haji vide email dated 09.10.2021 against the issuance of EC to the project. The Authority decided to give an opportunity of hearing to the complainant and the project proponent in the next SEIAA meeting before taking a final decision. The intimation regarding the same shall be given to them well in advance.

The Authority also noticed that the complaint received was forwarded to the District Collector, Malappuram vide Letter dated.28.10.2021 for report which is not received till date. Authority also decided to send a reminder to the District Collector to submit the report within 15days since the application is at the final stage of appraisal.

**Item No.13**                      **Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. P T Anilkumar in Survey number 307/1A in Anakkara Village, Pattambi Taluk, Palakkad, Kerala SIA/KL/MIN/162354/2020 , 1746/EC1/2020/SEIAA**

Sri. P.T. Anilkumar, Parammalthodi House, Vadakkumpuram, Edayur P.O, Valanchery, Malappuram – 676 552, submitted an application via PARIVESH on 07.07.2020 for the Proposed Laterite Building Stone Quarry of Sri. P T Anilkumar for an area of 0.4827 Ha in Sy. No. 307/1A in Anakkara Village, Pattambi Taluk, Palakkad, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report and Mining Plan. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting recommended to issue EC for the period 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 activity associated with borrowing/excavation should not involve blasting.*
4. *The borrowing/excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
5. *The borrowing/excavation activity should be restricted to 2m above the ground water table at the site.*
6. *The borrowing/excavation activity should not alter the natural drainage pattern of the area.*
7. *The borrowed/excavated pit should be restored by the project proponent for useful purposes.*
8. *Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap.*
9. *Measures should be taken to prevent dust emission by covering of borrowed/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 borrowing/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 proposed excavation.*
13. *A minimum distance of 15m from any civil structure should be kept from the periphery of the excavation area.*
14. *Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary.*
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 as per norms.*
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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
21. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.14**

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Sukumaran, President, Ottappalam Taluk Karinkal Quarry Operators Industrial Co-operative Society Ltd in Survey Nos: 60/1, 53/1 of Nellaya Village and Re Survey No. 150/1 of Cherpulassery Village, Ottapalam Taluk, Palakkad.  
SIA/KL/MIN/175536/2020, 1846/EC1/2020/SEIAA**

Sri. Sukumaran, President, Ottappalam Taluk Karinkal Quarry Operators Industrial Co-operative Society Ltd submitted application for the Environmental Clearance for the

Granite Building Stone Quarry for an area of 0.9407 Ha in Survey No: 60/1, 53/1 of Nellaya Village and Re Survey No. 150/1 of Cherpulassery Village, Ottapalam 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 proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

Authority decided to limit the depth of mining to 130 above MSL considering local groundwater level recorded in the field inspection report by which 7009 MT of mineral will be reduced and the total mining quantity will be 146320 MT.

**The Authority decided to issue Environmental Clearance for the project life of 5 (five) years, for the quantity of 146320 MT, 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The green-belt development should initiate prior to the commencement of mining operations. As the mining area is part of an agriculture field, the green belting plants also could include Jack, Avocado, Litchi and Rambutan mixed with the species of wild trees removed for the project site.*
- 4. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 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. 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 compliance report.*
  - 7. Retaining wall of appropriate height should be provided at the overburden dumping site.*
  - 8. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
  - 9. 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).*
  - 10. The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling. Considering the inadequate width of the road on vehicles with 3 ton capacity should be allowed.*
  - 11. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
  - 12. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*
  - 13. The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
  - 14. The drain water quality should be monitored regularly by an NABL accredited lab and clear water should be flowed into the natural stream.*
  - 15. Boundary fencing should be done and the details with geo-tagged photos to be submitted along with HYCR.*
  - 16. Major part of the proposed quarry site includes an abandoned quarry without any benches with steep wall and irregular quarry faces. This should be rectified by developing proper benches during the future quarrying operations under the supervision of qualified mining.*
  - 17. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***

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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.
19. 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.
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 MoEFCC, 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.15**      **Environment Clearance for Laterite Building Stone Quarry Project of Sri. Thankappan M.M. for an area of 0.0970 at Re-Survey No-55/1-4 in Edakattuvayal Village, Kanayannur Taluk, Ernakulam, Kerala. (SIA/KL/MIN/177504/2020; File No: 1864/EC3/2020/SEIAA)**



Sri. Thankappan M.M., submitted an application for Environmental Clearance via PARIVESH Portal on 05/10/2020, for the mining of Laterite Building Stone Quarry, for an area of 0.0970 at Re-Sy No-55/1-4, in Edakattuvayal Village, Kanayannur Taluk, Ernakulam, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report and Mining Plan. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting recommended to issue EC for the period 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The excavation activity associated should not involve blasting.*
- 4. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site*
- 5. The excavation activity should be restricted to 2m above the ground water 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 useful purpose*
- 8. Appropriate fencing all around the excavated pit should be made to prevent any mishap*
- 9. Measures should be taken to prevent dust emission by covering of 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 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 proposed excavation*
13. *A minimum distance of 15m 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 as per norms*
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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
20. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.16**      **Environmental Clearance for the Granite Building Stone Quarry of Shri. Najeeb Hassan in Survey No. 372/1-2, Ongallur-II Village, Pattambi Taluk, Palakkad.**  
**SIA/KL/MIN/177823/2020, 1829/EC1/2020/SEIAA**

Shri. Najeeb Hassan submitted application via PARIVESH for Environmental Clearance for the Granite Building Stone Quarry for an area of 0.8747 Ha in Survey No. 372/1-2, Ongallur-II Village, Pattambi Taluk, Palakkad District

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 proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133<sup>rd</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, 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Development of green belt should be initiated prior to the commencement of mining operation.*
- 4. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 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. 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 compliance report.*
  - 7. OB dumping area should be relocated to lower elevation on northern side. Retaining wall of appropriate height should be provided at the overburden dumping site.*
  - 8. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
  - 9. 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).*
  - 10. The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling. Considering the inadequate width of the road on vehicles with 3 ton capacity should be allowed.*
  - 11. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
  - 12. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*
  - 13. The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
  - 14. The drain water quality should be monitored regularly by an NABL accredited lab and clear water should be flowed into the natural stream.*
  - 15. Boundary fencing should be done and the details with geo-tagged photos to be submitted along with HYCR.*
  - 16. The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan and as per KMMC Rules within 6 months and a report from District Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this*

*condition should also be reported in the HYCR.*

***17. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***

*18. If the abandoned quarry in the proposed project area is owned by the Project Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the district geologist shall verify the mine closure status and no further transport permit shall be issued if final closure has not been carried out as per norms.*

*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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

*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 MoEFCC, 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.17**                      **Environmental Clearance to M/s Balipattam Tile Works for the Mining of Ordinary Clay Project in Re. Sy. Nos. 7/6, 7/7, 7/8, 7/9 in Pariyaram Village, Taliparamba Taluk, Kannur, Kerala (SIA/KL/MIN/178887/2020 1850/EC4/2020/SEIAA)**

Sri. Sushil Aaron, Managing Director, M/s Baliapatam Tile Works Ltd, Pappinisseri P.O, Kannur submitted an application through PARIVESH on 14.10.2020 for Environmental Clearance in SEIAA for the Mining of Ordinary Clay Project for an area of 0.1665 Ha, in Block 79, in Re.Sy.Nos.19/514,19/515 in Pariyaram Village, Taliparamba Taluk, Kannur, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report and Mining Plan. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting recommended to issue EC for the period of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noticed that the project site is located in a paddy field as per land tax receipt and as per the Kerala Conservation of Paddy Land and Wetland Act, 2008, the conversion of paddy fields needs NOC from designated authorities. Hence the Authority decided to direct the proponent to submit the NOC from the concerned Authority.

**Item No.18**                      **Environmental Clearance for the Building Stone Quarry project of Sri. Sudheesh A T in Re-Sy No: 432/584, of Nenmeni Village, Sulthan Bathery Taluk, Wayanad, Kerala (ToR- SIA/KL/MIN/37909/2019, 1396 /EC1/2019/SEIAA) [SIA/KL/MIN/183324/2020; 2084/EC2/SEIAA/2022]**

Sri. Sudheesh A T submitted an application for Environmental Clearance *via* PARIVESH Portal on 19.04.2022, for the mining of Granite Building Stone Quarry, for an area of 0.9612 Ha. in Re-Sy No. 432/584, of Nenmeni Village, Sulthan Bathery Taluk, Wayanad, Kerala.

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 proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133<sup>rd</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, 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the 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. Development of green belt should be initiated prior to the commencement of mining operation.*
- 4. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 5. 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.*
- 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. A seasonal overland drain with flow direction towards the proposed site should be diverted from outside the buffer zone of the project site. If not, it should be connected to the garland drain subject to the conditions that the garland drain is designed with adequate carrying capacity to contain the flow from overland drain in addition.*
- 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 compliance report.*
- 9. Retaining wall of appropriate height should be provided at the overburden dumping site.*
- 10. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
- 11. 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).*
- 12. The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling.*
- 13. Adequate sanitation, waste management and restroom facilities should be provided to the workers.*
- 14. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*
- 15. The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
- 16. The drain water quality should be monitored regularly and only clear water should be allowed into the natural stream.*
- 17. The dilapidated house located within the project site should be demolished prior to the commencement of mining activity.*
- 18. The Project Proponent shall take immediate measures to close the abandoned quarry in the project site if it belongs to him as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the SEIAA to the effect that the final closure of quarry has been done as per the*



*approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the district Geologist shall verify the mine closure status and no further transport permit shall be issued if final closure has not been carried out as per norms.*

**19. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***

**20. *The resultant quarry pond should be safeguarded with strong fencing or boundary wall to prevent any accidents.***

**21. *In the interest of residential buildings located at a distance of 51-200 m radius from the quarry site, the Project Proponent should attend the following:***

- *An impact vibration study has to be carried out through a reputed agency and 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 within 3 months of commencing quarry operations and included in the Half Yearly Compliance Report. This study must be monitored by a committee which includes concerned ward member of Grama Panchayat and a representative of residents within 200 mts radius. The corrective measures have to be taken to minimize the vibration effect if any as suggested by the agency engaged for the study and the monitoring committee.*
- *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- *Priority should be given to the needs of local residences while implementing CER activities. If the need be the EMP approved shall be modified to accommodate these changes under intimation to SEAC*
- *One of the local residents shall be made member of the Environmental management cell and their grievances shall be heard and addressed.*

**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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation***



*with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

- 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 MoEFCC, 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.19**

**Environmental Clearance for Ordinary Earth Mining project of Sri. Biju K. Peter, for an area of 0.8245 Ha. in Re. Sy. No-111/13 of Aikaranad south Village, Kunnathunad Taluk, Ernakulam, Kerala. (SIA/KL/MIN/219969/2021; File No: 1934/EC3/2022/SEIAA)**

Sri. Biju K. Peter, submitted an application for Environmental Clearance via PARIVESH Portal on 14/07/2021, for the mining of Ordinary Earth, for an area of 0.8245 Ha. in Re. Sy. No-111/13 of Aikaranad South Village, Kunnathunad Taluk, Ernakulam, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report and Mining Plan. After the due appraisal, the

SEAC in its 133<sup>rd</sup> meeting recommended to issue EC for the period 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The excavation activity associated should not involve blasting.*
- 4. The excavation activity should be restricted to 2m above the ground water 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 useful purpose*
- 7. Appropriate fencing all around the excavated pit should be made to prevent any mishap*
- 8. Measures should be taken to prevent dust emission by covering of 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 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 proposed excavation*
- 12. A minimum distance of 15m 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 as per norms.*
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 the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEFCC, 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.*
19. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.20      Environmental Clearance for the Proposed Granite Building Stone Quarry Project of M/s Chathamala Crushers Private Limited over an extent of 1.7424 Ha, at Block No.83, Re.Sy.No.5/210, 5/927 Eruvessi Village, Taliparamba Taluk, Kannur District, Kerala**

**(SIA/KL/MIN/220733/2021    1930/EC4/2021/SEIAA}**

Sri. K. K. Radhakrishnan, Managing Director, M/s Chathamala Crusher Private Limited, No.23/212, Puthiyaparamba, Alavil P.O, Kannur-670008 submitted an application through PARIVESH on 22.07.2021 for Environmental Clearance in SEIAA for the proposed Granite Building Stone Quarry Project for an area of 1.7424 Ha, in Re.Sy.Nos.5/210,5/927 in Eruvessi Village, Taliparamba Taluk, Kannur, Kerala.

The Authority noted the action taken by SEAC in its 130<sup>th</sup>, 132<sup>nd</sup> & 133<sup>rd</sup> meetings held on different dates. Based on the Precautionary Principle, the Committee in its 133<sup>rd</sup> meeting recommended rejection of the proposal due to the following reasons.

1. Project area is located at the southern steep flank of an E-W trending the ridge with maximum elevation of 670m above MSL.
2. The highest and lowest elevation of the project site is 525m and 480m above MSL and the slope is extremely steep.
3. The downstream side of the site is high hazard zone. It is reported that the high hazard zone is at a distance of 11m and medium hazard zone is at a distance of 84m and both are in the proximity.
4. Boulders of moderate size are spread all over the steep sloping project area.

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

**Item No.21**

**Environmental Clearance to Sri. Subair Chakkingal for the Proposed Laterite Building Stone Quarry Project in Re.Sy.Nos.19/514, 19/515 in Koodathai Village, Thamarasser Taluk, Kozhikode District, Kerala.  
(SIA/KL/MIN/229459/2021 1948/EC4/2022/SEIAA)**

Sri. Subair Chakkingal, S/o Mohammed, Chakkingal House, Karassery P.O, Kozhikode-673602 submitted an application through PARIVESH on 25.09.2021 for Environmental Clearance in SEIAA for the proposed Laterite Building Stone Quarry Project for an area of 0.668617 Ha, in Re.Sy.Nos.19/514,19/515 in Koodathai Village, Thamarassery Taluk, Kozhikode, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal and the Field Inspection Report. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting recommended to issue EC for the period 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 Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The activity associated with borrowing/excavation should not involve blasting.*
- 4. The borrowing/excavation activity should not alter the natural drainage pattern of the area.*
- 5. The borrowed/excavated pit should be restored by the project proponent for useful purposes.*
- 6. Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap.*
- 7. Measures should be taken to prevent dust emission by covering of borrowed/excavated earth during transportation.*
- 8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth.*
- 9. Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
- 11. Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary and geo-tagged photographs of all the boundary pillars should be submitted prior to commencement of mining.*
- 12. 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.*
- 13. 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.*
- 14. The drainage system should be cleaned and desilted periodically to facilitate*

*unhindered drainage.*

- 15. Measures incorporated in the CER should be implemented as per norms*
- 16. 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).*
- 17. Project Proponent shall take immediate measures to close the two abandoned quarry pits in the project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the SEIAA to the effect that the final closure of quarry has been done as per the approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the district Geologist shall verify the mine closure status and no further transport permit shall be issued if final closure has not been carried out as per norms.*
- 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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 19. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.*

**Item No.22**

**Environmental Clearance to Sri. Mirshad C.K for the Proposed Laterite Building Stone Quarry Project in Re.Sy.Nos.35/153 in Puthoor Village, Thamarassery Taluk, Kozhikode District, Kerala (SIA/KL/MIN/229588/2021 1928/EC4/SEIAA/2021}**

Sri. Mirshad C.K, S/o Aboobacker, Charalikunnath House, Keezhuparambath P.O, Malappuram submitted an application through PARIVESH on 16.09.2021 for Environmental Clearance in SEIAA for the proposed Laterite Building Stone Quarry Project for an area of 0.3875 Ha, in Re.Sy.No.35/153 in Puthoor Village, Thamarassery Taluk, Kozhikode, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting recommended to issue EC for the period 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The excavation activity associated should not involve blasting.*
- 4. The excavation activity should be restricted to 2m above the ground water 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 useful purpose*
- 7. Appropriate fencing all around the excavated pit should be made to prevent any mishap*



8. *Measures should be taken to prevent dust emission by covering of 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 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 proposed excavation*
12. *A minimum distance of 15m 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 as per norms.*
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. *There are two abandoned quarry pits nearby the project area Project Proponent shall take immediate measures to close the abandoned quarry pits in the project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the SEIAA to the effect that the final closure of quarry has been done as per the approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the district Geologist shall verify the mine closure status and no further transport permit shall be issued if final closure has not been carried out as per norms.*
19. *Compensatory afforestation should be done for the trees removed from the site.*
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 shall prepare an*

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

*21. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.23**

**Environmental Clearance for Ordinary Earth Mining Project of Mrs. Resmi Mathew, for an area of 0.9915 Ha. in Re Sy No-306/4-2, 306/3 of Keezhmad Village, Aluva Taluk, Ernakulam, Kerala (SIA/KL/MIN/230280/2021; File No: 1959/EC3/2022/SEIAA)**

Mrs. Resmi Mathew., submitted an application for Environmental Clearance via PARIVESH Portal on 23/09/2021, for the mining of Ordinary Earth, for an area of 0.9915 Ha. in Re Sy No-306/4-2, 306/3 of Keezhmad Village, Aluva Taluk, Ernakulam, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report and Mining Plan. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting recommended to issue EC for the period 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 the 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 associated should not involve blasting.*
- 4. The excavation activity should be restricted to 2m above the ground water 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 useful purpose*
- 7. Appropriate fencing all around the excavated pit should be made to prevent any mishap*
- 8. Measures should be taken to prevent dust emission by covering of 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 excavation of earth*
- 10. Workers/labourers should be provided with facilities for drinking water and sanitation*
- 11. A berm of 2m should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation*
- 12. A minimum distance of 15m 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. Amount should be earmarked for CER as per stipulation and it should be expended for monitorable work targets as per OM.*
- 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 the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEFCC, 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.*
- 19. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

**Item No.24**

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Alavi P.P for an area of 0.0971 Ha in Re-Survey no. 232/2 in Melmuri Village, Tirur Taluk, Malappuram, Kerala (SIA/KL/MIN/236496/2021, 1978/EC6/2022/SEIAA)**

Sri. Alavi .P.P, Puthenpeediyekkal House, Pathayakkallu, Maravattom, Malappuram submitted an application for Environmental Clearance through PARIVESH on 20.04.2022 for the Laterite Building Stone Quarry Project for an area of 0.0971 Ha in Re-sy no. 232/2 in Melmuri Village, Tirur Taluk, Malappuram, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report and Mining Plan. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting recommended to issue EC for the period 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 its amendments thereby.*
2. *The Project Proponent shall obtain consents from the owners of nearby houses and mining shall be carried out without effecting the life and property of people staying nearby.*
3. *The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
4. *The activity associated with borrowing/excavation should not involve blasting.*
5. *The borrowing/excavation activity should be restricted to 2m above the ground water table at the site*
6. *The borrowing/excavation activity should not alter the natural drainage pattern of the area.*
7. *The borrowed/excavated pit should be restored by the project proponent for useful purposes.*
8. *Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap.*
9. *Measures should be taken to prevent dust emission by covering of borrowed/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 borrowing/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 proposed excavation.*
13. *A minimum distance of 15m from any civil structure should be kept from the periphery of the excavation area.*
14. *Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary.*
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 as per norms.*
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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
21. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.25**

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Haneefa Kottayi for an area of 0.1943 Ha in Block No. 14, Re-Sy Nos. 63/1/5-1, 63/3/3-1 of Muthuvallur Village, Kondotty Taluk, Malappuram, Kerala  
(SIA/KL/MIN/261870/2022, 2005/EC6/2022/SEIAA)**

Sri. Haneefa Kottayi, S/o Veeran, Melekarattu House, Pallikkal Post, Malappuram submitted an application for Environmental Clearance through PARIVESH on 14.05.2022 for the Laterite Building Stone Quarry Project for an area of 0.1943 Ha in Block No. 14, Re-Sy Nos. 63/1/5-1, 63/3/3-1 of Muthuvallur Village, Kondotty Taluk, Malappuram, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report and Mining Plan. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting recommended to issue EC for the period 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The excavation activity associated should not involve blasting.*
- 4. The excavation activity should be restricted to 2m above the ground water 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 useful purpose*
- 7. Appropriate fencing all around the excavated pit should be made to prevent any mishap*
- 8. Measures should be taken to prevent dust emission by covering of 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 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 proposed excavation*
- 12. A minimum distance of 15m 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 as per norms.*
- 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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 19. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.*

**Item No.26**

**Environmental Clearance for the Laterite Building Stone Quarry of Sri. Manikandan P. V, in Sy No.65 in Anakkara Village, Pattambi Taluk, Palakkad, Kerala  
SIA/KL/MIN/262486/2022; 1962/EC1/2022/SEIAA**

Sri. Manikandan P. V., S/o Pottammal Velayudhan, Pottammal House, Muthoor P.O Malappuram submitted application via PARIVESH on 19.03.2022 for the Laterite Building Stone Quarry for an extent of 0.7575 Ha in Survey No.65 in Anakkara Village, Pattambi Taluk, Palakkad, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan and field inspection report. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting recommended to issue EC for the period 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 its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The activity associated with the excavation should not involve blasting.*
- 4. The excavation activity should not alter the natural drainage pattern of the area.*
- 5. The excavated pit should be restored by the project proponent for useful purposes.*
- 6. Appropriate fencing all around the excavated pit should be made to prevent any*

*mishap.*

- 7. Measures should be taken to prevent dust emission by covering of excavated laterite during transportation.*
- 8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of laterite.*
- 9. Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
- 11. A minimum distance of 50m from any civil structure should be kept from the periphery of the excavation area.*
- 12. Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary.*
- 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 as per norms.*
- 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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

19. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th 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.*

**Item No.27**

**Environmental Clearance for the proposed Granite Building Stone Quarry Project of Sri. Sudheesh A T in Sy Nos: 55/2, 55/3, 55/4, in Irulam Village, Sulthan Bathery Taluk, Wayanad, Kerala (SIA/KL/MIN/39592/2019; 1412/EC2/2019/SEIAA) [SIA/KL/MIN/272255/2022; 1412/EC2/2019/SEIAA]**

Sri. Sudheesh A T submitted an application for Environmental Clearance via PARIVESH Portal on 12.05.2022, for the mining of Granite Building Stone Quarry, for an area of 2.4973 Ha. in Sy Nos: 55/2, 55/3, 55/4, of Irulam Village, Sulthan Bathery Taluk, Wayanad, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 130<sup>th</sup> meeting recommended EC for a Project Life of 10 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.

**The Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan, and then to extend the EC**

**period to cover the project life of 10 years, from the date of issuance of original EC, subject to the review by SEAC at the end of 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 by violating EC conditions.**

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 Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A 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 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. Since the quarry site is located within a distance of 10 km from Wayanad Wild Life Sanctuary, as per OM dated 8.8.2019 of MoEFCC, Clearance from the Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site.*
- 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 MoEFCC and SEIAA shall not be responsible in this regard in any manner.*
- 6. The overburden dumping site should be protected with gabion wall to a height of about 2.5 m.*

7. *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 first Half Yearly Compliance Report.*
8. *Green belt should be developed all along the entire buffer zone using indigenous species including climbers and herbs in the first year itself and it should be nurtured and maintained.*
9. *Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
10. *Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps, siltation pond and outflow channel and it should be connected to the nearest natural drain.*
11. *Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
12. *The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
13. *The haulage road should be maintained well.*
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. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District Collector, Wayanad and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
16. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
17. *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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both*

*physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

- 18. 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.*
- 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 MoEFCC, 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.*

**Item No.28**

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K.J. Baiju, Managing Partner, M/s. B & B Granites in Survey No.911 & 912 in Thekkumkara Village, Thalappilly Taluk, Thrissur, Kerala  
(SIA/KL/MIN/272314/2022, File No. 1339/EC2/2019/ SEIAA)**

Sri. K. J. Baiju, Managing Partner, M/s. B & B Granites, House No.11/384, Vattai, Kundukadu P.O, Thekkumkara, Thrissur-680028 Kerala, vide the hardcopy of application received on 17.05.2019, sought Environmental Clearance under EIA Notification, 2006 for the



quarry project for an area of 0.8075 Ha in Sy No.911 & 912 in Thekkumkara Village, Thalappilly Taluk, Thrissur, Kerala.

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 proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

Authority noted the decision of the SEAC to limit the depth of mining to 195 above MSL instead of the proposed 185 m above MSL considering the depth to the ground water table. Therefore, the total mining quantity will be reduced to 1,17,775 MT.

**The Authority decided to issue Environmental Clearance for the project life of 5 (five) years, for the quantity 1,17,775 MT 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. Since the quarry site is located within a distance of 10 km from Peechi- Vazhani Wild Life Sanctuary, as per OM dated 8.8.2019 of MoEFCC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site.*
- 4. 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.*

- 5. The depth of mining should be limited to 195 m above MSL instead of the proposed 185 m above MSL considering the depth to the ground water table.*
- 6. Medium sized carriages (trucks) should only be used for transportation and only one-way traffic should be allowed for loaded vehicles.*
- 7. 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.*
- 8. Development of green belt should be initiated prior to the commencement of mining operation.*
- 9. Compensatory afforestation should be initiated prior to the commencement of mining.*
- 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. 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 compliance report.*
- 12. Gabion wall of appropriate height should be provided at the overburden dumping site.*
- 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. The haulage road should be maintained well with frequent sprinkling.*
- 16. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
- 17. Adequate energy conservation measures proposed should be implemented including solar power installations*

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. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
20. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District Collector, Thrissur and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
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.29**                      **Environmental clearance for the Granite Building Stone Quarry Project of Sri. Mohammed Shereef for an area of 1.3997 Ha in Sy No. 1/1A in Pulamanthole Village, Perinthalmanna Taluk, Malappuram, Kerala**  
**(SIa/KL/MIN/278602/2022, File No. 1213/EC2/2019/SEIAA)**

Mr. Mohammed Shereef, Kuttikkadan House, Athavanad P.O, Tirur Taluk, Malappuram-676301, vide the hardcopy of the application received on 12.02.2019, has sought Environmental Clearance under EIA Notification, 2006 for the quarry project for an area of 1.3997 Ha in Survey No.1/1A in Pulamanthole village, Perinthalmanna Taluk, Malappuram, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133<sup>rd</sup> meeting recommended EC for a Project Life of 7 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.

**The Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan, and then to extend the EC period to cover the project life of 7 years, from the date of issuance of original EC, subject to the review by SEAC at the end of 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 by violating EC conditions.**

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 Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A 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 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. The CER proposed should be implemented during the first two years and maintained and operated during the rest of project period.*
- 5. The proponent should constitute a monitoring committee including a member from LSGD for monitoring the implementation of the CER activities as agreed.*
- 6. The OB dump should be protected with a retaining wall and the height of the dump should not exceed the height of the retaining wall. The geotagged photos as proof should be submitted along with HYCR.*
- 7. The drainage channel, silt traps and collection tank should be cleaned periodically to remove the deposited silt so as to prevent any obstructions to the overland flow.*
- 8. 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).*
- 9. The sprinkling of water should be done on the unsurfaced road before the movement of each truck.*
- 10. The green-belt development should be initiated before the commencement of quarry operations. The species selected for green belting should be diverse and preferably locally known and relevant for their multiple values.*
- 11. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
- 12. 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 shall prepare an*

*Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

- 13. 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.*
- 14. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16<sup>th</sup> January 2020 issued by MoEFCC, 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.*
- 15. 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)**

<b><u>Item No.1</u></b>	<b>Granite Building stone quarry of “Sri. Saji K Alias, M/s Mariyem Industries, Kuzhikandathil House, Thiruvaniyoor P O, Ernakulam At Survey No: 302/6,</b>
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**302/7-1, 302/7-2, 302/8, 302/1- 2, 298/15, 298/14, 298/16, 298/13, 298/12, 302/2-2, 301/1, 301/2, 302/5-1, 302/5-2-2, in Thiruvaniyoor Village, Muvattupuzha Taluk, Ernakulam District, Kerala State - Extension of EC**

**Judgment in IA. No. 2/2022 dated 23-02-2022 in WP(C) No. 15475/2016 (H) filed by Sri. Saji K. Elais, Kuzhikandathil House, Thiruvaniyoor P.O., Ernakulam-682 308**

**(SIA/KL/MIN/262617/2022 File No. 553/SEIAA/KL/4087/2014)**

As intimated by SEIAA, Sri. Saji. K. Alias and his advocate Sri. Shenai attended for hearing and explained their averments. The Authority after hearing directed them to submit the hearing note within 7 days for further decision to be taken in the next SEIAA meeting.

## **CONSIDERATION OF TOR PROPOSALS**

### **Item No.1**

**ToR application for the Building Stone Quarry project of Sri. Sukumaran E in Re-Sy. No. 430/1pt116, 430/1pt607, 430/1pt66, 430/1pt841, 430/1pt473, 430/1pt842, 430/1pt701, 430/1pt843, of Thayanoor Village, Vellarikund Taluk, Kasaragod, Kerala  
(SIA/KL/MIN/78023/2022, 2033/EC2/2022/SEIAA)**

Sri. Sukumaran E, submitted an application for Terms of Reference *via* PARIVESH Portal on 07.07.2022, for the mining of Granite Building Stone Quarry, for an area of 4.6189 Ha. in Re- Sy. Nos. 430/1pt116, 430/1pt607, 430/1pt66, 430/1pt841, 430/1pt473, 430/1pt842, 430/1pt701, 430/1pt, 843 of Thayanoor Village, Vellarikund Taluk, Kasargod, Kerala.

**The Authority noted that SEAC in its 133<sup>rd</sup> meeting recommended the Standard ToR with certain additional studies. The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study as recommended by SEAC.**

1. Landslide proneness & soil piping potential of the project impact zone.



2. Vibration impact on structures within 1 km radius.

**Item No.2**

**ToR Application for the Granite Building Stone Quarry Project of Sri.Arshak Ali.E.K for an area of 2.0144 Ha in Survey No. 104/2B-09 & 104/2B-44 in Kannamangalam Village, Thirurangadi Taluk, Malappuram, Kerala  
(SIA/KL/MIN/73017/2022, File No. 2069/EC6/2022/SEIAA)**

Sri. Arshak Ali. E. K, Edathola Kottasseri, Malabar Manzil, Eranippadi, Kannamangalam P.O, Malappuram submitted an application for Terms of Reference through PARIVESH on 17.08.2022 for the Granite Building Stone Quarry Project for an area of 2.0144 Ha in Survey No. 104/2B-09 & 104/2B-44 in Kannamangalam Village, Thirurangadi Taluk, Malappuram, Kerala.

**The Authority noted that SEAC in its 133<sup>rd</sup> meeting recommended the Standard ToR with certain additional studies. The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study as recommended by SEAC.**

1. Landslide proneness of the impact zone.
2. Accident potential analysis to the houses in the immediate vicinity.
3. Water quality of the streams in the impact zone.

**Item No.3**

**Environmental Clearance for the proposed Granite Building Stone Quarry Project of Sri. Sudheesh A T in Survey No: 55/2, 55/3, 55/4, in Irulam Village, Sulthan Bathery Taluk, Wayanad, Kerala  
(SIA/KL/MIN/39592/2019, 1412/EC2/2019/SEIAA)  
[SIA/KL/MIN/272255/2022, 1412/EC2/2019/SEIAA]**

Decision taken in EC proposal, Item No.27

**Item No.4**

**ToR application for the Construction of Hospital of “N.S. Memorial Institute of Medical Sciences” project of Shibu P, Secretary, in Re-Sy. Nos. 557/2, 5, 6, 557/4, 571/15, 16, 572/33-34, 9-5, 572/35, 572/35/2, 557/1, 571/18, 573/13-2, 571/11, 571/12, 572/8/2, of Vadakkevila Village, Kollam Taluk, Kollam, Kerala  
(SIA/KL/MIS/82880/2022, 2085/EC2/SEIAA/2022)**

Sri. Shibu P, Secretary submitted an application for Terms of Reference *via* PARIVESH Portal on 24.08.2022, for the mining of Granite Building Stone Quarry, for an area of 4.6189 Ha. in Re- Sy. Nos. 557/2, 5, 6, 557/4, 571/15, 16, 572/33-34, 9-5, 572/35, 572/35/2, 557/1, 571/18, 573/13-2, 571/11, 571/12, 572/8/2 of Vadakkevila Village, Kollam Taluk, Kollam, Kerala.

The Authority noted that SEAC in its 133<sup>rd</sup> meeting examined the proposal and decided to approve Specific ToR and General ToR as per MoEF Notification No. S.O. 804 (E) dated 14.3.2017 and other required studies for enabling the appraisal of the project as per SoP for identification and handling of violation cases under EIA notification 2006 vide OM dated 7.7.2021.

**The Authority decided to approve the Specific ToR and General ToR as per MoEFCC Notification No. S.O. 804 (E) dated 14.3.2017 and other required studies for enabling the appraisal of the project as per SoP for identification and handling of violation cases under EIA Notification 2006 vide OM dated 7.7.2021.**

**Item No.5**

**Application for ToR for the Granite Building Stone Quarry Project of Sri. Eranhikkal for an area of 1.6853 Ha in Block No.8, Sy.Nos.147/7-1, 147/1, 146/1-3, 146/1-4, 146/1-5, 146/1-6, 146/1-7 in Pulikkal Village, Kondotty Taluk, Malappuram, Kerala.  
(SIA/KL/MIN/81219/2022, File No. 2097/EC6/2022/SEIAA)**

Sri. Riyas Eranhikkal, Managing Director, Minecraft Granites Pvt.Ltd, 6/450 D-3, Apple Tower, Feroke P.O, Kozhikkode submitted an application for Terms of Reference through PARIVESH on 14.09.2022 for the Granite Building Stone Quarry Project for an area of 1.6853 Ha in Block No.8, Sy.Nos.147/7-1, 147/1, 146/1-3, 146/1-4, 146/1-5, 146/1-6, 146/1-7 in Pulikkal Village, Kondotty Taluk, Malappuram District, Kerala.

**The Authority noted that SEAC in its 133<sup>rd</sup> meeting recommended the Standard ToR with certain additional studies. The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study as recommended by SEAC.**

1. Landslide proneness of the proposed area.
2. Breach potential study.
3. Accident proneness to the nearby houses.