

# **PARIVESH FILES**

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

**Item No.1**                      **Environmental Clearance for the Granite Quarry of Sri. Mathew Daniel at Sy Nos: 340/1/99-1, 340/1/99-2, 340/1/102/2-1, 340/1/100/3, 340/1/100-4, 340/1/100-1, 340/1/100-2, 340/1/102-2, 340/1/103-1 in Enadimangalam Village, Adoor Taluk, Pathanamthitta, Kerala. (SIA/KL/MIN/127122/2019; 1562/EC1/2019/SEIAA)**

Sri. Mathew Daniel submitted an application for EC via PARIVESH on 13.12.2019 for the Granite Building Stone Quarry for an extent of 2.2392 Ha at Sy. Nos: 340/1/99-1, 340/1/99-2, 340/1/102/2-1, 340/1/100/3, 340/1/100-4, 340/1/100-1, 340/1/100-2, 340/1/102-2, 340/1/103-1 in Enadimangalam Village, Adoor Taluk, Pathanamthitta, Kerala

The Authority perused the item and considered the hearing note submitted by the Project Proponent vide Letter dated 01.02.2023 Authority decided to direct the Project Proponent to submit the updated Mining Plan approved by the Department of Mining & Geology for the appraisal of the EC application.

**Item No.2**                      **Application for Environmental Clearance of Sri. Abdul Rasack P. for the Granite Building Stone Quarry Project for an area of 2.1509 Ha at Sy Nos. 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 at Survey No. 95/9-3, 95/7-4 in Mankada 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, EIA 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 for a Project Life of 11 years with certain Specific Conditions in addition to the General Conditions.

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

**The Authority decided to issue Environmental Clearance subject to a condition that the District Geologist shall issue the lease/permit only after completing all the formalities as per judgement of Hon'ble Court. The EC is issued 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 11 years, from the date of execution of mine lease / permit, 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. As the Project Proponent had committed various **irregularities** under KMMCR and penalized in the past , the SEAC shall inspect the site once in a year to verify the compliance status of EC conditions.*
- 2. 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.*
- 3. The EC shall be valid from the date of execution of permit/lease from the Department of*

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

- 4. The EC issued will be subject to a review by SEAC after 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 5. Depth of mining should be limited to a maximum of 60m above MSL instead of 50m in the approved Mine Plan considering the depth to groundwater table*
- 6. The abandoned quarry should be protected with strong fencing all-around to prevent any accident and it should be closed as per the mine closure plan and put to useful purposes.*
- 7. Development of green belt should be initiated prior to the commencement of mining operation.*
- 8. Compensatory afforestation should be initiated prior to the commencement of mining.*
- 9. 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.*
- 10. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
- 11. Gabion wall of appropriate height should be provided at the overburden dumping site.*
- 12. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
- 13. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5pm).*
- 14. The haulage road should be maintained well with frequent sprinkling.*
- 15. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
- 16. Adequate energy conservation measures proposed should be implemented including solar power installations*

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

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

**Item No. 3**                      **Application for Environmental Clearance of Sri. Abdul Majeed P. for the Laterite Building Stone Quarry Project for an area of 0.9716 Ha at Re-Sy No. 1/4 in Pulikkal Village, Kondotty Taluk, Malappuram (SIA/KL/MIN/261884/2022, 2072/EC6/2022/SEIAA)**

As intimated by the Authority, the Project Proponent Sri. Abdul Majeed, on behalf of the Petitioners Adv. Yasar K.V and on behalf of SAFIBA, Sri. Nizar Ahamed Seethi attended the hearing on 27.02.2023. After hearing, the Authority directed the Project Proponent & the Petitioners to submit a detailed hearing note within 7 days with necessary supporting documents to substantiate their claims.

**Item No.4**                      **Application for Environmental Clearance of Sri. Arif for the Granite Building Stone Quarry Project for an area of 2.3045 Ha at unsurveyed Land in Kurumbalangode Village, Nilambur Taluk, Malappuram (SIA/KL/MIN/277649/2022; 2105/EC6/2022/SEIAA)**

The Authority perused the item and noticed that the SEIAA in its 123<sup>rd</sup> meeting deliberated the matter on considering the mining applications falling in ESA villages. In the light of the decisions taken under Item No. 123.29, the Authority decided to refer those proposals back to SEAC to appraise the project as per the conditions stipulated. The Project Proponent should submit all the necessary documents as envisaged in minutes of the 123<sup>rd</sup> SEIAA meeting (Item 123.29) and SEAC shall reconsider the proposal as per the procedure laid down in EIA Notification 2006 by following all existing rules and regulations.

**Item No.5**                      **Application for Environmental Clearance of Mr. Sabu Kuriakose, Managing Director, M/s Kavumkal Granites for the Granite Building Stone Quarry project for an area of 0.7070 Ha at Re-Sy No. 470/6 in Vadasserikkara Village, Ranni Taluk, Pathanamthitta. (SIA/KL/MIN/278377/2022; 2058/EC1/2022/SEIAA)**

The Authority perused the item and noticed that the SEIAA in its 123<sup>rd</sup> meeting deliberated the matter on considering the mining applications falling in ESA villages. In the light of the decisions taken under Item No. 123.29, the Authority decided to refer those proposals back to SEAC to appraise the project as per the conditions stipulated. The Project Proponent should submit all the necessary documents as envisaged in minutes of the 123<sup>rd</sup> SEIAA meeting (Item 123.29) and SEAC shall reconsider the proposal as per the procedure laid down in EIA Notification 2006 by following all existing rules and regulations.

**Item No.6**                      **Application of Sri. P.M. Moitheen for Environmental Clearance for the Granite Building Stone Quarry Project for an extent of 0.5522 Ha at Survey No 326/2-9 in Eramalloor Village, Kothamangalam Taluk, Ernakulam, Kerala**  
**SIA/KL/MIN/145890/2020 (Online rejected proposal)**  
**SIA/KL/MIN/403610/2022 (Recommended proposal)**  
**File No: 1430/EC3/2019/SEIAA**

Sri. P.M. Moitheen submitted an application for Environmental Clearance on 08<sup>th</sup> July 2020 for the Granite Building Stone Quarry Project for an extent of 0.5522 Ha at Re-Sy No 326/2-9 in Eramalloor Village, Kothamangalam Taluk, Ernakulam, 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 1, 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 132<sup>nd</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 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. *Development of green belt to be initiated prior to the commencement of mining operation and its maintenance status should be included in the HYCR.*
4. *The Road is narrow and should be widened prior to the commencement of further operation of the quarry.*
5. *Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place along with geotagged photographs should be provided along with HYCR.*
6. *Fencing should be done around the old quarry pit to avoid accidents.*
7. *Benches should be developed under the supervision of mining expert.*
8. *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 (HYCR).*
9. *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.*
10. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
11. *Gabion wall of appropriate height should be provided at the overburden dumping site.*
12. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
13. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
14. *The haulage road should be developed and maintained well with frequent sprinkling.*

15. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
16. *Adequate energy conservation measures proposed should be implemented including solar power installations.*
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 should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
19. *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 MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
21. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*



**Item No.7**

**Environmental Clearance for the proposed Granite Building Stone Quarry Project of M/s Kodancheri Granites and Stones Pvt Ltd at Re-Sy Nos. 159/3208, 159/3209, 159/5172, 159/8673, 159/8746, 159/8747, 159/8556, 159/8557, 159/8709, 159/4875, 159/7525, 159/8745 in Nellippoyil Village, Thamarassery Taluk, Kozhikode, Kerala (SIA/KL/MIN/406104/2022; 2173/EC4/SEIAA/2022)**

The Authority perused the item and noticed that the SEIAA in its 123<sup>rd</sup> meeting deliberated the matter on considering the mining applications falling in ESA villages. In the light of the decisions taken under Item No. 123.29, the Authority decided to refer those proposals back to SEAC to appraise the project as per the conditions stipulated. The Project Proponent should submit all the necessary documents as envisaged in minutes of the 123<sup>rd</sup> SEIAA meeting (Item 123.29) and SEAC shall reconsider the proposal as per the procedure laid down in EIA Notification 2006 by following all existing rules and regulations.

**CONSIDERATION OF TOR PROPOSALS****Item No.1**

**Application for ToR for the Building Stone Mine (Quarry, Minor Mineral Mining) project of M/s R.V. Associates at Sy. Nos. 274/25, 274/28, 274, Thirumittacode II Village, Pattambi Taluk, Palakkad, Kerala (SIA/KL/MIN/410972/2022; 2166/EC1/2022/SEIAA)**

Mr. Eldhose Kuriakose, Managing Partner, M/s R.V. Associates submitted an application for ToR via PARIVESH on 17.12.2022 for the Building Stone Quarry project for an area of 5.5228 ha at Sy. Nos. 274/25, 274/28, 274 in Thirumittacode II Village, Pattambi Taluk, Palakkad, Kerala.

**The Authority noted that SEAC in its 137<sup>th</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. *Detailed plan for compensatory afforestation considering factors such as rainfall, soil type, species etc.*
2. *Vibration studies to evaluate the zone of influence and impact of blasting on the neighborhood as suggested in para ( e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10-2014 of MOEF&CC*
3. *Landslide proneness of the area due to proposed activity.*
4. *Detailed traffic study focused on panchayat road as well as the main road.*
5. *Specific impacts on hydrological and hydrogeological conditions.*
6. *Detailed plan for utilizing the harvested water in the quarry cluster*
7. *Risk associated with harvested water storage in quarry pond, if any.*

**Item No.2**

**ToR application for the Building Stone Quarry project of Sri. S. Shemeel, Managing Partner, M/s Galaxy Rocks at Re-Sy Nos. 416/10, 416/12, 419/3-2, 416/3, 416/3-3, 417/8, 417/7, 417/8-2, 417/3, 417/9, 417/2, 417/1-2, 413/2, 417/1-3, 417/1-6, 417/1-4, 417/1-5 in Kummil Village, Kottarakara Taluk, Kollam, Kerala (SIA/KL/MIN/411072/2022; 2162/EC2/2022/SEIAA)**

Sri. S. Shemeel R, submitted an application for Terms of Reference via PARIVESH Portal on 27.06.2020, for the mining of Granite Building Stone Quarry, for an area of 0.7678 Ha. at Re-Sy Nos. 416/10, 416/12, 419/3-2, 416/3, 416/3-3, 417/8, 417/7, 417/8-2, 417/3, 417/9, 417/2, 417/1-2, 413/2, 417/1-3, 417/1-6, 417/1-4, 417/1-5 in Kummil Village, Kottarakara Taluk, Kollam, Kerala.

**The Authority noted that SEAC in its 137<sup>th</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. *Detailed studies on slope stability and landslide proneness*

2. *Vibration studies to evaluate the zone of influence and impact of blasting on the neighborhood as suggested in para ( e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10-2014 of MOEF&CC*
3. *Predicted changes in the groundwater regime*
4. *Predicted changes in the surface drainage*
5. *Stakeholder consultation for evolving CER.*

**Item No.3**

**Application for ToR for the Granite Building Stone Quarry of Sri. Benny Abraham, Managing Partner, M/s. Amayoor Granites at Re-Sy Block No: 2, Re-Sy. No: 33/8-2 in Pattambi Village and Re-Sy Block No: 24, Re-Sy. Nos. 314/5 & 314/6 in Koppam Village, Pattambi Taluk, Palakkad, Kerala  
(SIA/KL/MIN/412126/2023; 2184/EC1/2023/SEIAA)**

Sri. Benny Abraham, Managing Partner, M/s. Amayoor Granites submitted an application for ToR via PARIVESH on 06.01.2023 for the Granite Building Stone Quarry for an area of 3.6733 Ha at Re-Sy Block No: 2, Re-Sy. No: 33/8-2 in Pattambi Village and at Re-Sy Block No: 24, Re-Sy. Nos. 314/5 & 314/6 in Koppam Village, Pattambi Taluk, Palakkad, Kerala.

**The Authority noted that SEAC in its 137<sup>th</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. *Detailed studies on slope stability and landslide proneness*
2. *Vibration studies to evaluate the zone of influence and impact of blasting on the neighborhood as suggested in para ( e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10-2014 of MOEF&CC*
3. *Predicted changes in the groundwater regime*
4. *Predicted changes in the surface drainage and drainage management plan*

5. *Traffic study focusing on main road and panchayat road based on monitoring during working days and holidays.*
6. *Detailed plan for compensatory afforestation considering factors such as rainfall, soil type, species etc.*

**Item No.4**

**Application for Terms of Reference for the Granite Building Stone Quarry Project of Sri. Mujeeb K.P, Managing Partner, M/s. KPA Crusher Private Limited for an area of 1.2485 Ha at Re-Sy Nos. 188/1-1, 188/3, 188/3-1, 190/1-3, 188/1-5, 188/2-4, 188/3-2, 188/4-1, 188/4-2 in Pulikkal Village, Kondotty Taluk, Malappuram, Kerala (SIA/KL/MIN/412566/2022; 2187/EC6/2023/SEIAA)**

Sri. Mujeeb K.P, Managing Partner, M/s. KPA Crusher Private Limited submitted an application for the Terms of Reference through PARIVESH on 10.01.2023, for the Granite Building Stone Quarry, for an area of 1.2485 Ha at Re-Sy Nos. 188/1-1, 188/3, 188/3-1, 190/1-3, 188/1-5, 188/2-4, 188/3-2, 188/4-1, 188/4-2 in Pulikkal Village, Kondotty Taluk, Malappuram, Kerala.

**The Authority noted that SEAC in its 137<sup>th</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. *Considering the large no. of quarries within a limited area detailed carrying capacity with respect to air quality, ground vibration, surface and ground water, traffic and social infrastructures.*
2. *Vibration studies to evaluate the zone of influence and impact of blasting on the neighborhood as suggested in para ( e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10-2014 of MOEF&CC*
3. *Impact of ground vibration due to simultaneous blast from adjacent quarries.*
4. *Detailed studies on slope stability and landslide proneness*

5. *Predicted changes in the groundwater regime*
6. *Predicted changes in the surface drainage and drainage management plan*
7. *Traffic study focusing on main road and panchayat road based on monitoring during working days and holidays.*

## **PART – 2**

**Item No.1**                      **Environmental Clearance for the proposed Granite Building Stone Quarry Project of M/s Megha Engineering & Infrastructures Ltd. at Re-Sy. Nos. 74/772, 74/151, 74/154, 74/152, 74/1D in Kuttur Village, Payyannur Taluk, Kannur, Kerala (SIA/KL/MIN/269091/2022; 1975/EC4/2022/SEIAA)**

Sri. Prabakar, General Manager, M/s Megha Engineering & Infrastructure Ltd, S2-Technocraft Industrial Estate, Balanagar, Hyderabad, Telengana-500037 submitted an application for Environmental Clearance through PARIVESH on 22.04.2022 for the proposed Granite Building Stone Quarry Project for an area of 2.1854 Ha at Re-Sy. Nos. 74/772, 74/151, 74/154, 74/152, 74/1D in Kuttur Village, Payyannur Taluk, Kannur, 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 1, 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 138<sup>th</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 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. All the observations/directions made by NGT in the case of nearby quarry( RDS Project) shall be scrupulously followed.*

4. *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.*
5. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
6. *Green belt development in the buffer zone should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
7. *Compensatory afforestation should be done with indigenous species and the geo-coordinates of the afforested place with photographs should be provided along with HYCR.*
8. *Gabion 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 impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
12. *The haulage road should be strengthened and maintained dust-free and with avenue trees of indigenous species.*
13. *Adequate sanitation, waste management and rest room 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 Environmental expert and the proceedings of the monthly meeting of the Environment Management Cell (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 should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
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 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.2**

**Environmental Clearance for the Building Stone Quarry project of Sri. Safarulla K. at Re-Sy Nos: 320/1 & 321/2 in Vorkady Village, Manjeshwaram Taluk, Kasaragod, Kerala  
(SIA/KL/MIN/134824/2020, 1729/EC2/2020/SEIAA)**



Sri. Safarulla K, submitted an application for Environmental Clearance via PARIVESH Portal on 03/01/2020, for the mining of Granite Building Stone for an area of 0.1920 Ha at Re-Sy Nos. 320/1 & 321/2 in Vorkady Village, Manjeshwaram Taluk, Kasaragod, 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 1, 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 134<sup>th</sup> meeting, recommended EC with the project life of 2 years, subject to certain Specific Conditions in addition to the General Conditions. Though the project area is small, the abandoned quarry within the project area can be made more useful to the livelihood by the proposed mining and at least some benches can be created in the existing vertical face. Further SEAC informed that there would not be any operational difficulty.

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

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Approach road should be developed prior to the commencement of mining and it should be maintained well and dust-free by providing sprinkling arrangements.*
- 4. Development of green belt should be initiated with indigenous species 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 canal, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
7. *Retaining wall of appropriate height should be provided at the overburden dumping site.*
8. *CER Plan should be implemented in the first year 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. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
11. *Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office.*
12. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
13. *As per OM no F.No.22-65/2017-IA.III dated 30<sup>th</sup> September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
14. *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.*

15. 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.

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

**Item No.3**

**Extension of validity of Environmental Clearance for the Laterite Quarry project of Sri. Muraleedharan L at Survey No: 467/8-2 in Naduvathoor Village, Kottarakara Taluk, Kollam, Kerala (SIA/KL/MIN/276929/2022; 540/A1/2019/SEIAA)**

Sri. Muraleedharan L, submitted an application for Environmental Clearance via PARIVESH Portal on 07.06.2022, for the mining of Laterite Stone Quarry, for an area of 0.1158Ha at Survey No. 467/8-2 in Naduvathoor Village, Kottarakara Taluk, Kollam, Kerala.

The Authority perused the item and observed that the Committee in its 138<sup>th</sup> meeting noted that EC was issued on 03-05-2019 with a validity of 6 months, which expired on 02-10-2019. As per the SO No. 2944 (E) dated 14<sup>th</sup> September, 2016, no condonation for delay can be granted for any application for extension filed after 90 days of the validity period of EC.

The Authority agreed to the recommendation of SEAC and decided to direct the Project Proponent to apply afresh for EC in PARIVESH portal.

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

**Sd/-**  
**Dr. V. Venu IAS**  
**Member Secretary, SEIAA**

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