

**MINUTES OF THE 122nd MEETING OF THE STATE LEVEL
ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)
KERALA, HELD ON 7th JANUARY 2023 IN THE CONFERENCE HALL,
SEIAA KERALA.**

Present:

- 1. Dr. H. Nagesh Prabhu IFS (Retd), Chairman, SEIAA, Kerala**
- 2. Sri. K. Krishna Panicker, Member, SEIAA**
- 3. Dr. V. Venu IAS, Member Secretary, SEIAA**

The 122nd meeting of the SEIAA, Kerala was held on 7th January 2023 at the Conference Hall, SEIAA, Kerala, Thiruvananthapuram. The meeting started at 10.30 AM on 7th January 2023. Dr. H. Nagesh Prabhu, Chairman, SEIAA Kerala chaired the meeting. Dr. Venu V. IAS, Member Secretary, SEIAA and Sri. K. Krishna Panicker, Expert Member, SEIAA attended the meeting. The Authority considered the agenda for the 122nd meeting and took the following decisions:

Physical Files

<u>Item No.122.01</u>	Environmental Clearance for the Granite Building Stone Quarry of Shri. Najeed Hassan in Survey No. 372/1-2, Ongallur-II Village, Pattambi Taluk, Palakkad District (SIA/KL/MIN/177823/2020; 1829/EC1/2020/SEIAA)
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The Authority perused the item and noted the request of the Project Proponent dated 27.12.2022 to eliminate the Specific Condition No. 10. The Authority examined the documents and observed that the two other running quarry projects utilize the same road for transportation of mined material. Under the circumstances, the Authority decided to agree to request of the

Project Proponent to replace the Specific Condition No. 10 with another condition that ‘the road should be used without any hindrance to the public transport and general public’.

Item No.122.02 **Environmental Clearance issued to the Quarry Project, M/s Tripthy Granites Pvt Ltd in Sy. No. 274, 275/1A3, Thirumittacode Village II, Thirumittacode Panchayat, Pattambi Taluk, Palakkad, Kerala - Judgment dated 17.11.2020 in WP(C) No. 25111/2020 (File No. 826/ SEIAA/EC1/2609/ 2015)**

The Authority perused the item and noted the decisions of various SEAC meetings, the field inspection report of the Sub-Committee and the CCR received from IRO, MoEF& CC, Bangalore. The SEAC in its 135th meeting has recommended the revalidation of EC with the project life of 8 years from the date of original EC i.e., 17.08.2016 subject to certain additional Specific Conditions in addition to the Specific Conditions in the original EC.

The Authority decided to revalidate the Environmental Clearance for the project life of 8 years from the date of original EC (17.08.2016). The revalidation of EC is subject to the Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

- 1. Proponent should take at most care to provide appropriate benches in the mining process*
- 2. Where ever mining is done without maintaining 45° slope, such areas should be closed for mining and rehabilitated with immediate effect considering the closure plan.*
- 3. Strengthen planting and nurturing of avenue trees using suitable indigenous species*
- 4. Provide garland drain, silt traps, siltation tanks and outflow channel covering the entire project area and periodically desilt, clean and maintain the drainage system.*
- 5. Enhance the capacity of the setting pond appropriately*
- 6. Proponent should not resort to haphazard dumping of overburden in the quarry site.*
- 7. Overburden dump has to be properly protected with retaining wall/ gabion structure*
- 8. Segregate 7.5m buffer zone from the quarry pit and develop green belt all over the buffer zone. If hard rock is exposed in the buffer zone that prevent development of green belt,*

develop compensatory afforestation. The geocoordinates of the afforested area alongwith geo-tagged photographs of the site should be submitted along with HYCR”

- 9. 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.*
- 10. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.122.03

**O.A No. 155/2020 filed by Sri. Vijeesh Kumar against M/s Covenant Stones Pvt. Ltd before the Hon’ble NGT
(File No. 1422/EC1/2019/SEIAA)**

The Authority perused the item and accepted the recommendation of the 135th SEAC. The 135th meeting the SEAC recommended that “it is desirable to implement the eco-restoration part through the DoECC, the nodal agency for environmental protection in the State. Therefore Mining and Geology Department may be addressed to place the excess amount environmental compensation for excess mining recovered from the Project Proponent at the disposal of the Directorate of Environment and Climate Change, Govt. of Kerala for eco-restoration including the implementation of mine closure plan”. The fund shall be credited to the Environment Benefit Fund created by the Government of Kerala and decided to inform SEAC to prepare the guidelines for utilization of Environment Benefit Fund for the benefit of the environment.

Item No.122.04

Common judgment dated 11.12.2019 in WP (C) No.5589/2019, WP (C) No.9656/19 and WP (C) No.25439/2019 filed by Sri. Unnikrishnan K. P and the President, Vaniyamkulam Grama Panchayat against M/s

**JMC Granites, Palakkad-Constitution of Joint Committee for
monitoring the status of compliance
(File No.4429/A2/2019/SEIAA)**

The Authority deliberated the item and noticed that as the proponent did not make necessary arrangements, the Joint Committee Team could not proceed with the experimental blast. Hence the Authority decided to direct the Joint Committee complete the field visit procedures by giving one more opportunity to the Project Proponent. The project proponent shall ensure the availability of required instrument/facilities to facilitate the experimental blast during the visit of the Joint Committee. The Authority also directed the Joint Committee to hear the complainant, Sri. E. Sreedharan during the time of visit.

Item No.122.05 **Granite Building Stone quarry of Sri. T. Anilkumar over an Extent of 0.6018 Ha in Sy. Nos. 352/2-1, 352/2-2, 352/2(Pt), 352/1-2 at Nedumangad Village of Nedumangad Taluk, Thiruvananthapuram (SIA/KL/MIN/163973/2020; 2076/EC1/2022/SEIAA)**

The Authority perused the item and noted that the proponent has not submitted the necessary documents for appraisal such as recent cluster certificate, afforestation plan, correct details regarding the mine void, pre/post mining usage, etc and hence the SEAC in its 135th meeting recommended to delist the proposal. The Authority agreed to the decision of SEAC and decided to delist the application.

Item No.122.06 **Complaint against Environmental Clearance issued to Sri. B. Sundaran in Survey No. 302/1/274, 302/275/457, 302/148/1, 301/148/2, 302/148/3, 302/148/4, 302/148/5 in Vilakudy Village, Pathanapuram Taluk, Kollam, Kerala- Resolution & letter received from Vilakkudy GP
(File No. 1340/EC1/2019/SEIAA)**

The Authority deliberated the item and observed that the Authority heard both the Secretary, Vilakkudy Grama Panchayat and the Project Proponent on 30th September 2022 and directed to submit a hearing note within 7 days with necessary supporting documents to

substantiate their claims, if any. The Authority noticed that the Panchayat Secretary has not submitted the hearing notes till date, even after forwarding a reminder on 30.11.2022. Under the circumstances, the Authority decided to close the complaint raised by the Panchayat authorities at their own risk and inform Panchayat authorities that there is no action pending with SEIAA.

Item No.122.07 **Environment Clearance for the Granite Building Stone Quarry of Sri. Robin P.R for an area of 1.9480 ha (4.813 Acres) at Survey No. 144/4 & 144/5, Kalpetta Village, Vythiri Taluk, Wayanad, Kerala (SIA/KL/MIN/43182/2019; 1479/EC2/2019/SEIAA)**

The Authority perused the item and observed the decisions of the 135th meeting of SEAC. In the meeting, the SEAC observed that the distance to the medium and high hazard zones are 63m and 650m respectively. However, the Committee has arrived at the decision to recommend rejection of the proposal not only based on the nearness of medium and high hazard zones but also based on the inference on the terrain conditions characterized by the nature and magnitude of slope, thickness of soil, vegetation, habitation upstream and downstream, climatic characteristics etc.

The Committee also verified the Digital Elevation Model of the site and surrounding region to assess the susceptibility to landslides. The quarry is located in the middle portion of an elongated slope with the terrain characterized by relatively thick soil cover. The breaking slope in the immediate upstream and downstream areas are vulnerable and the residential houses in the upstream and downstream areas are precariously located. Therefore, the SEAC rejected the proposal considering the vulnerability of the terrain to slide, slope characteristics and hazard potential of the site, insecure residential locations etc.

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.122.08 **Environment Clearance to Sri. Biju Khan for the Granite Building Stone Quarry for an area of 0.9037 Ha in Re-Survey No.-214/1-1-1, 214/1-1-2, 214/2pt (Own Patta land) & Re-Sy.No.-214/1pt (Govt. Land) Pooyapally Village, Kottarakara Taluk, Kollam, Kerala**

Sri. Biju Khan, Biju Manzil, Mylakadu (PO), Kollam 691 571, vide application received on 13.12.2019, sought Environmental Clearance for the proposed Granite Building Stone Quarry in Re-Sy Nos. 214/1-1-1, 214/1-1-2, 214/2pt (Own Patta Land) & Re-Sy. No. 214/1pt (Govt. Land) of Pooyapally 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, NOC, additional details/documents obtained from the proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with the project life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 2 (two) years, subject to the following Specific Conditions in addition to the General Conditions. District Geologist, Mining & Geology Department, Kollam has to re-estimate mineable reserve considering mineral blocked in benches and buffer zone and the proponent be allowed to mine out only the re-estimated mineable reserve.

- 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 maximum depth of mine should be limited at 88m above MSL. The elevation difference of the site is 88m to 124m above MSL. The Project Proponent should prepare the Scheme of Mine according to the quantity mentioned in the EC.*
- 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. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained subsequently.*
- 5. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage.*

6. *The drainage along with silt traps, collection tanks and outflow channel should be desilted periodically and geotagged photograph should be incorporated in the Half Yearly Compliance Report.*
7. *The overburden dump should be protected with retention wall to avoid soil erosion*
8. *Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
9. *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.*
10. *Measures incorporated in the CER should be implemented in total during the first year and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
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. *Since an abandoned quarry is located between the boundaries of the two proposed quarries, the EMP should be implemented in an integrated manner, especially drainage, reclamation of abandoned quarry, afforestation, etc without reducing the cost earmarked for the EMPs of both quarries.*
13. *Carrying capacity required for both the quarrying sites should be assessed, while implementing the drainage plan.*
14. *The Project Proponent shall take immediate measures to close the abandoned quarry in between 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.*
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 30th 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 Corporate Environmental Responsibility (CER) shall be 2% of the total project cost.

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

Item No.122.09

**Environment Clearance to Sri. Biju Khan for the Granite Building Stone Quarry for an area of 0.5456 Ha in Re-Survey No.-217/17pt(Patta land) & Re-Survey No.-214/1pt (Govt. Land) Pooyapally Village, Kottarakara Taluk, Kollam, Kerala.
(SIA/KL/MIN/43937/2019, 1547/EC2/2019/SEIAA)**

Sri. Biju Khan, Biju Manzil, Mylakadu (PO), Kollam 691 571, vide application received on 13.12.2019, sought Environmental Clearance for the proposed Granite Building Stone Quarry

in Re-Survey No.- 217/17pt(Patta land) & Re-Survey No.-214/1pt (Govt. Land) of Pooyapally 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, NOC, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with the project life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 2 (two) years, subject to the following Specific Conditions in addition to the General Conditions. District Geologist, Mining & Geology Department, Kollam has to re-estimate mineable reserve considering mineral blocked in benches and buffer zone and the proponent be allowed to mine out only the re-estimated mineable reserve.

- 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 total depth of mine should not exceed 25m below the highest elevation of the site i.e. 116m above MSL. The Project Proponent should prepare the Scheme of Mine according to the quantity mentioned in the EC.*
- 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. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained subsequently.*
- 5. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage.*
- 6. The drainage along with silt traps, collection tanks and outflow channel should be desilted periodically and geotagged photograph should be incorporated in the Half Yearly Compliance Report.*

7. *The overburden dump should be protected with retention wall to avoid soil erosion*
8. *Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR*
9. *Measures incorporated in the CER should be implemented in total during the first year and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
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. *Since an abandoned quarry is located in ~~shares~~ between the boundaries of the two proposed quarries, the EMP should be implemented in an integrated manner, especially drainage, reclamation of abandoned quarry, afforestation, etc without reducing the cost earmarked for the EMPs of both quarries.*
12. *Carrying capacity required for both the quarrying sites should be assessed, while implementing the drainage plan.*
13. *The Project Proponent shall take immediate measures to close the abandoned quarry in between 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.*
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 30th 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 Corporate Environmental Responsibility (CER) shall be 2% of the total project cost.

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 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.

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

**Item No.122.10 Environmental Clearance for the Mining of Building Stone Quarry Project in Re-Survey No. 8/9, in Alakkod Village, Thodupuzha Taluk, Idukki District, Kerala by Mr. U. I. John, Managing Partner, M/s Marthoma Granites - Judgment of Hon'ble Supreme Court in C.A. No. 878/16 arising from SLP(C) 27079/2011 filed by M/s Marthoma Granites
(File No. 1413(A)/EC1/2019/SEIAA)**

The Authority perused the item and noted the decision of 135th SEAC meeting to recommend EC subject to the production of some documents. The Authority also noticed that as per the direction of 131st SEAC meeting, the Project Proponent has submitted a compliance report, but the copy of the register showing the production and dispatch of building stone submitted as proof regarding production details is not found verified/authenticated by the Mining and Geology Department. Hence Authority decided the following:

1. The Project Proponent should submit the submit the certified copy of the register showing the production and dispatch of building stone as proof regarding production details verified/ authenticated by the Mining and Geology Department
2. The Mining & Geology Department shall rework the penalty at 10% of the annual turnover for a period of 8 years from 2008 to till the date of order in OA No. 168/2015 of the Hon. NGT and sanction lease only after the payment of penalty.
3. As decided in 114th SEIAA meeting and communicated already, KSPCB shall charge the case as per Section 19 of the EP Act 1986 if it is not done so far.
4. SEAC to submit specific recommendation with validity of EC, specific conditions, etc

**Item No.122.11 Environmental Clearance to M/s Sobha Developers Ltd for Housing Project (Sobha Rio Vista) in Sy. No. 159/28B (p) at Calicut, Feroke Petta (Chandhakadavu), Feroke Village and Panchayath, Kozhikode Taluk, Kozhikode, Kerala.
(File No. 371/SEIAA/EC4/2611/2014)**

The Authority perused the item and noted the decision of the 135th SEAC meeting. The Authority also examined the documents submitted by the Project Proponent on 21.10.2022 and was not satisfied with the documents. The Authority rejects the argument of the proponent that mining plan is not required. As per the details available, a large quantity of ordinary earth has to be excavated and to be removed from the project site. When the excavated earth is removed from the project site it tantamounts to winning over the mineral for business purpose which requires EC and mining plan.

Further, as per section 3(2)(v) of EPA Act 1986 SEIAA can impose any condition as safe guard for the protection and improvement of Environment. Hence Authority decided to direct the Project Proponent to comply with the decision taken by the SEIAA in its 99th meeting and to submit an approved Mining Plan clearly specifying the total quantity of ordinary earth to be excavated, the quantity already excavated, the quantity that can be used at site, the quantity required to be transported from the site and its end use.

Item No.122.12 **Environmental Clearance issued by DEIAA to Sri. Vintu Thomas Kannur -Judgment dated 24.03.2022 in the WPC No.4249/2022. (File No.3517/EC4/SEIAA/2021)**

The Authority perused the item and noticed that the Hon'ble High Court in its order dated 08.11.2022 in WP (C) No. 4249/2022 directed the 6th respondent (SEIAA) to conduct an inspection in the quarry of the 9th respondent (Sri. Joseph T.T) and submit a report before the Court within a period of three weeks from the date of receipt of a copy of the order. The Sub-Committee, SEAC visited the project site on 21.11.2022 and reported that the compliance to the environmental management and safeguard conditions is not satisfactory. There is also over-extraction of resource from the buffer zone and beyond the actual boundary of the mine. Hence the Committee in its 135th SEAC meeting recommended to take action against the EC holder for non-compliance with EC conditions and over-extraction from areas outside the mine area. The Authority also noted that the report has submitted to the Hon'ble Court.

In the above circumstances, the Authority decided the following:

- 1) Issue a Stop Memo to the Project Proponent.
- 2) Issue a Show Cause Notice for the cancellation of EC. The Project Proponent should submit the explanation for the Show Cause Notice within 30 days from the date of notice otherwise the Authority will proceed with further action.
- 3) Intimate Department of Mining & Geology to take action for over-extraction and all other illegalities under KMMC Rules, 2015.

Item No.122.13 **Environmental Clearance for the proposed Granite Building Stone Quarry in Re-Sy No. 196, 1293 in Ayyankunnu Village, Iritty Taluk, Kannur Kerala - Judgment dated 10.02.2021 in the WPC No.27890/2020 filed by Sri. Usman, Kannur before the Hon'ble High Court of Kerala. (SIA/KL/MIN/129447/2019; File No.1538/EC3/2019/SEIAA)**

The Authority perused the item and noted the Judgment dated 10.02.2021 of the Hon'ble High Court in WP (C) No. 27890/2020, in which SEIAA is directed to consider and pass orders

on Ext.P10 (representation preferred by the petitioner) within three weeks from the date of receipt of a copy of this judgment, after hearing the petitioner. The Standing Counsel was directed to file an extension before the Hon'ble High Court explaining the time required to complete the entire process at the level of SEIAA and SEAC.

As directed by the Court, the petitioner was heard by the Committee in its 120th SEAC meeting and a site inspection was also carried out by a team of experts on 11.05.2022. The Committee also decided to seek a detailed slope stability study done by a national agency of repute, since the project site falls in the moderate hazard zone in continuation with the high hazard zone which is at a distance of 43m. After getting the report on 15.11.2022, the Committee in its 135th meeting studied the report on Slope Stability Analysis done by NIT, Surathkal and observed that the report does not rule out the possibility of landslide incidents. Considering the past incidences of landslides in the locality and the magnitude of slope, break-in-slope, thickness of soil, vegetation etc. of the hillock and the enhanced magnitude and intensity of rainfall in recent years etc., the Committee concluded that the project is not feasible and hence decided to recommend rejection of the proposal.

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.122.14 Environmental Clearance to Sri. A. G. Madhavan, Managing Director, M/s Nila Metals Pvt. Ltd for the quarry project in Sy.Nos. 1853/1, 1854, 1855, 1856, 1857, 1858, and 1860/1 in Pazhayannur Village, Thalappilly Taluk, Thrissur, Kerala– Judgment dated 01.02.2021 in WP(C) No.2512 of 2021 - Revalidation of EC. (File No. 900/SEIAA/EC1/3461/2015)

The Authority perused the item and noted the decisions of various SEAC meetings, the field inspection report of the Sub-Committee and the CCR received from IRO, MoEF& CC, Bangalore. The SEAC in its 135th meeting has recommended the revalidation of EC with the project life of 9 years from the date of original EC i.e., 16.12.2016 subject to certain additional Specific Conditions in addition to the Specific and General Conditions in the original EC.

The Authority decided to revalidate the Environmental Clearance for the project life of 9 years from the date of original EC (16.12.2016). The revalidation of EC is subject to the Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

- 1. The Project Proponent shall improve the drainage system especially to avoid water logging in the mine area*
- 2. The Project Proponent shall maintain and clean the garland canal, silt traps, siltation ponds and connected drains periodically and geo-tagged photographs of it should be submitted along with Half Yearly Compliance Reports (HYCRs).*
- 3. Green belt along the southern boundary shall be strengthened and geo-tagged photographs of the same should be submitted along with HYCRs.*
- 4. The abandoned benches shall be backfilled and suitable species including fodder grass shall be planted.*
- 5. Appropriate silt traps shall be provided at the mouth of the natural drain on the southern side to improve the quality of outflow water.*
- 6. Though solar street lights are installed, the compliance with the 4th general condition of the EC shall be improved by installing a solar power unit for the office building*
- 7. The CER activities shall be implemented during the 1st year itself and the maintenance shall be carried out during subsequent years.*
- 8. 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.*
- 9. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 10. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.122.15 **Environmental Clearance to Sri. Micheal T.T for the Granite Building Stone Quarry Project in Sy. No. 294, 285, 103 in Mupliyam Village, Chalakudi Taluk, Thrissur, Kerala.**

(File No. 1240/EC2/2019/SEIAA)

Sri. Micheal T.T, Managing Director, Thazhathel (H), Varandrapilly P.O, Thrissur District, vide the hardcopy of the application received on 06.03.2019 sought Environmental Clearance under EIA Notification, 2006 for the quarry project for an area of 1.3722 Ha in Sy No.294, 285, 103 in Mupliyam Village, Chalakudi Taluk, Thrissur, Kerala.

The Authority noted the action taken by SEAC in its 95th, 126th & 135th meetings held on different dates. The Committee in its 135th meeting examined the proposal and discussed the field inspection report and observed that the population distribution and built structures in the micro watershed in which the quarry is proposed is a matter of concern. It is observed that a stream is flowing through the middle of the project area and the mine depth is beyond the depth of the stream. A poultry farm is located within 50m distance and there are two abandoned quarry pits within the project area. Overall, the site exhibits higher environmental sensitivity and indicates environmental degradation. The proposed activity will be critical to the sensitive environmental setup and further degrade the environmental set up in the project region, hence the Committee recommended rejection of the proposal.

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.122.16 **Environmental clearance to Mr. K.V. Moideenkoya, M/s Kallarattikkal Granites for the proposed quarry project in Sy No. 163 (Block No.22), 2/2-2, 2/4-3, 2/4-2, 3/1-2,2/3,2/2-3,2/4-4,2/4-5 (Block No.27), Urangattiri Village, Ernad Taluk, Malappuram, Kerala (File No. 1230/EC2/2019/SEIAA)**

The Authority perused the item and noticed that the proposal was considered in various meetings of SEAC and considering the field inspection report and the technical report of landslide zonation mapping, slope stability analysis of the quarry site conducted by the National

Institute of Technology Karnataka, Surathkal, and also hearing the Project Proponent and the complainant the Committee in its 124th meeting decided to recommend the rejection of the proposal quoting certain specific reasons. The 112th meeting of SEIAA agreed to the recommendation of SEAC and rejection order was issued to the Project Proponent on 18.10.2021.

Based on requests of the Project Proponent, the Authority gave one more last opportunity to the Project Proponent to present his case before SEAC. The Committee heard the detailed presentation by Dr. Sreevalsa Kolathayar, Professor, Department of Civil Engineering National Institute of Technology, Surathkal, Karnataka, who conducted the study and expressed satisfaction that four of the 5 definite questions sought by the Committee in its 124th meeting is addressed. The Professor agreed that the influence of the rock joints in stability analysis has not been addressed during the study.

Further, the Committee noticed that the DEM used for slope analysis is Aster DEM having a resolution of 30m is not adequate for a high-resolution slope study for a comparatively small area. In order to closely examine the influence of the rock joints on the terrain stability, the Committee entrusted a team of senior geologists who visited the site and provided field-level inference. The Committee discussed the detailed field-level terrain inputs and observed that the project area falls on the flank of a hillock with varying slope with the upstream part exhibiting steep to very steep slope and the downstream part exhibiting moderate slope. The rock is fractured and the fracture density is high within and outside the project area. Considering the detailed scientific inputs from the study carried out by the NIT and the two field inspection teams, the Committee understood that the land fragility is very high and it is not desirable to permit intensive and intrusive activity such as mining. Therefore, the Committee recommended rejection of the proposal.

Authority agreed to the recommendation of SEAC to reject the proposal and adhere to its earlier decision.

Item No.122.17 Environment Clearance to Sri. T.C. Johnson, Managing Partner, M/s Star Rock Products Pvt. Ltd. for the Granite Building Stone Mining Project for an Area of 0.9995 Ha. in Re-sy Nos. 50/4, 52/2/2, Ayyampuzha Village, Aluva 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 2, Pre-Feasibility Report, Mining Plan, NOC, additional details/documents obtained from the Project Proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 132nd meeting recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority in its 119th meeting observed that there is another quarry adjacent to the proposed quarry site owned by the same Project Proponent and he has violated the EC conditions and the Committee in its 135th meeting decided to initiate violation proceedings against the project. The Authority also noted that the present proposal is only an attempt to continue his business and the Project Proponent has grossly violated EC conditions in the quarry already run by him. There is no guarantee that the Project Proponent would not repeat the irregularities in the proposed new quarry in same locality. Action must be taken against the Project Proponent for gross violation of EC conditions.

In the above circumstances, the Authority decided the following

- 1) Direct the District Geologist, Mining & Geology department, Ernakulam to complete the penal action against the project proponent for violations in the adjacent quarry (stop memo issued on 13-02-2020).
- 2) Proponent has to submit a certificate from the Mining & Geology Department for having completed violation proceedings and closure of mine as per the approved mining plan since the validity of environmental clearance has already expired (04-01-2021).
- 3) In the best interest of protecting environment and livelihood in the Project region only after completing the actions under decisions 1 and 2 above, the present project proposal will be considered for appraisal.

Item No.122.18

Environmental Clearance to Sri. Prince M.P. for the Laterite Building Stone Quarry Project for an extent of 0.1940 in Re - Sy No-83/2 in

**Edakattuvayal Village, Kanayannur Taluk, Ernakulam, Kerala -
Rejection order issued.
(SIA/KL/MIN/141091/2020, File No: 1863/EC3/2020/SEIAA)**

The Authority perused the item and noted the request of the Project Proponent received on 06.12.2022. The Authority observed that the original Mining Plan is for 0.1940 Ha and now the Project Proponent informed that he is willing to limit the project area to 0.1335 Ha to keep a distance of 51m from the built structure. The Authority observed that by changing the project area the entire Mining Plan will change. Hence the Authority decided to direct the Project Proponent to submit a revised Mining Plan for further processing of the application.

**Item No.122.19 Proposals for EC for stone quarry projects supplying material for
road projects in the state are pending with SEAC/SEIAA - National
Highway Authority of India**

The Authority perused the item and noted that required *follow up action have been taken* on all proposals referred by NHAI and Authority decided to give a reply to the Additional Chief Secretary, Environment Department giving details on each project proposal. Copy of the letter shall also be forwarded to the NHAI for necessary follow up action. Authority also decided to inform SEAC to give top priority to quarry projects having agreement with NHAI if the project is otherwise eligible for issuing EC.

PARIVESH FILES

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 **Environmental Clearance for the Building Stone Quarry project of Sri. Byju T. V. in Survey No: 506/2 Pt of Kanjirangad Village, Mananthavady Taluk, Wayanad, Kerala**
(SIA/KL/MIN/132702/2019, 1726/EC2/2020/SEIAA)

Sri. Byju T V, submitted an application for Environmental Clearance *via* PARIVESH Portal on 14.01.2020, for the mining of Granite Building Stone Quarry, for an area of 1.5913 Ha. in Survey No. 506/2 Pt, Kanjirangad Village, Mananthavady 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 135th 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 scheme of activities to be carried out for the next 5 years.

Authority also decided to limit the depth of mining to 730m above MSL considering the local groundwater level recorded in the field inspection report by which the total mining quantity will be 551093 MT.

Authority decided to issue Environmental Clearance initially for a period of 5 years, for the total quantity of 551093 MT, and then to extend the EC period to cover the project life of 10 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 amendments thereby.*
- 2. The depth of mining should be limited to 730m above MSL, considering the local groundwater level and the scheme of mine should be prepared accordingly.*
- 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 filed verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 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 and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 7. Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 8. 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. Additional two settling tanks should be constructed.*

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 HYCR.*
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. Proof of CER implementation should be included in the HYCR*
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 and dust-free with sprinkling arrangement.*
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 Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
16. *Geotagged photographs of stream showing water turbidity during various season has to be submitted along with HYCR.*
17. *Buffer zones should be demarcated and planted with local plants as mentioned in the biodiversity assessment report. Also climbers and herbs to be planted.*
18. *Boundary Pillars should be properly marked and fencing should be done properly.*
19. *Gabion wall should be built for OB dumping site.*
20. *Rainwater harvesting should be done (a minimum of 0.5Lakh litter capacity tank) from the roof top of office.*
21. *Impact of vibration due to blasting should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay at the nearest built structures.*
22. *Kottiyur Wildlife Sanctuary is just above 10 km and hence necessary measures should be taken avoid disturbance to the Forest & wildlife in the Project region.*
23. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*

24. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.
25. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.
26. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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.
27. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.2

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K. P. Muhammed Basheer for an area of 0.7874 Ha in Survey No. 276/1 in Oorakam Village, Thirurangadi Taluk, Malappuram, Kerala.
(SIA/KL/MIN/134153/2019, File No. 1797/EC6/2020/ SEIAA)

Sri. K.P. Muhammed Basheer, Kolamkadavath House, Moolaparamabu, Othukungal P.O, Malappuram submitted an application for Environmental Clearance through PARIVESH on

12.09.2020 for the Granite Building Stone Quarry Project for an area of 0.7874 Ha in Survey No. 276/1 in Oorakam Village, Thirurangadi Taluk, Malappuram, 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 Filed Inspection Report. After the due appraisal, the SEAC in its 135th meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

Authority also decided to limit the depth of mining to 75m above MSL considering local groundwater level recorded in the field inspection report and the total minable reserves is limited to 1,41,310 MT.

The Authority decided to issue Environmental Clearance for the project life of 5 (five) years, for the quantity of 141,310 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 depth of mining should be limited to 75m above MSL, considering the local groundwater level and the scheme of mine should be prepared accordingly.*
- 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. Compensatory afforestation should be done from the 1st year itself and the coordinates and geo-tagged photographs of the site shall be submitted in 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 should be enlarged to contain the entire overland flow of the adjacent slopy region of the quarry.*

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 HYCR.*
8. *Monitoring of drainage water should be carried out at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
9. *The overburden dumping site should be protected with gabion walls to prevent erosion.*
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 and dust-free with sprinkling arrangement.*
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 lights and office.*
14. *The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
15. *Buffer zones should be demarcated and planted with local plants, climbers and herbs as mentioned in the biodiversity assessment report.*
16. *Boundary Pillars should be properly marked and fencing should be done properly.*
17. *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.*
18. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
19. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the*

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

- 20. 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 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.*
- 22. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.3

Environmental Clearance for the Building Stone Quarry project of Sri. Sibi P Alias in Survey Nos: 194/9, 194/9, 194/11, 194/11/1 of Varappetty Village, Kothamangalam Taluk, Ernakulam, Kerala (SIA/KL/MIN/136819/2020, 1728/EC3/2020/SEIAA)

Sri. Sibi P. Alias submitted an application for Environmental Clearance via PARIVESH Portal on 14.01.2020, for the mining of Granite Building Stone Quarry, for an area of 0.7837 Ha. in Sy Nos. 194/9, 194/9, 194/11, 194/11/1, Varappetty Village, Kothamangalam Taluk, Ernakulam, Kerala.

The Authority noted the action taken by SEAC in its 132nd & 135th meetings held on different dates. In the 135th SEAC meeting the Committee observed that a house is at a distance of 7m from the project site boundary and hence based on the Precautionary Principle, the Committee recommended rejection of the project proposal.

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

**Item No.4 Environmental Clearance for the proposed Granite Building Stone Quarry Project of by Sri. M. P. Lalu in Re- Sy Block No. 37, Re-Sy. Nos. 74/1D pt, 74/608 pt in Kuttur Village, Payyannur Taluk, Kannur, Kerala.
(SIA/KL/MIN/149209/2020; 1700/EC4/2020/SEIAA)**

Sri. M.P. Lalu, S/o M.K. Pavithran, Mankudy House, Kodanad P.O, Kurichilakode, Ernakulam submitted an application through PARIVESH on 17.03.2020 for Environmental Clearance for the Granite Building Stone Quarry Project for an area of 1.4336 Ha, in Re-Sy. Block No.37, Re-Sy. Nos.74/1D pt and, 74/608 pt 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 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 135th meeting recommended EC for a Project Life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted the Judgment of the Hon'ble National Green Tribunal in Original Application No.75 of 2021, directing the Director of Mining and Geology, State of Kerala to strictly adhere to the recommendations made by the Joint Committee regarding issuance of further license or lease for doing mining activity in that area, as it was observed by the Joint Committee that no further mining lease can be granted as the resources have been exhausted in that area. The Authority also noted the complaint of Mr. Anoop, Kozhikkode requesting for

enforcing the judgment of the Hon'ble National Green Tribunal in Original Application No.75 of 2021, against the violation of EC conditions by M/s. RDS Project Limited and intimating that during the appraisal of adjacent projects, the present circumstances and directions of Hon'ble Courts shall be taken into consideration before final recommendation.

Since this project is located adjacent to the site implied in the Hon. NGT direction, the Authority decided the following;

- 1) Seek a clarification from the Department of Mining & Geology that in the light of the NGT Order in OA No.75 of 2021, whether SEIAA can proceed with the Mining Plan approved in 2017.
- 2) Refer back the proposal to SEAC to give a definite recommendation after ascertaining whether the Mining Plan approved in 2017 can be considered as a valid document for the issuance of EC, in the light of the Joint Committee Report and the NGT Order.

Item No.5 Environmental Clearance for the Proposed Granite Building Stone Quarry of Sri. Musthafa. A, in Block No. 30, Re-Sy No. 129/1, Ongallur 1 Village, Pattambi Taluk, Palakkad, Kerala.

(SIA/KL/MIN/163150/2020, 1749/EC1/2020/SEIAA)

Sri. Musthafa A. submitted application for Environmental Clearance via PARIVESH for the Proposed Granite Building Stone Quarry for an area of 0.7487Ha in Block No. 30, Re-Sy No. 129/1, Ongallur 1 Village, Pattambi Taluk, Palakkad.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Filed Inspection Report. The Authority also noted that in the field inspection report, the distance to the moderate and high hazard zone is noted as 15.35m and 36.75m respectively. Authority observed that the unit 'meter' mentioned with the distance shall be read as 'kilometer'. Further, the SEAC shall ensure that the field inspection report should be completed in all aspects and impeccable.

After the due appraisal, the SEAC in its 135th 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) Buffer zones should be demarcated and green belt should be developed by planting trees, climbers and herbs as mentioned in the biodiversity assessment report. This should be done prior to the commencement of mining.*
- 4) OB dump site should be at the lower part of the site (near BP8). A retention wall shall be constructed for the OB dump.*
- 5) Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.*
- 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 HYCR.*
- 7) 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).*
- 8) The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.*
- 9) Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
- 10) Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*
- 11) The Environment Management Cell (EMC) should include an Environment expert and*

the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.

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 30th 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 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.

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

Item No.6

Environmental Clearance for the removal of Ordinary Earth of Sri. Naushad T M., Chemmalakkudy Thachayil House, Vengola P. O.,

Ernakulam for an area of 0.4553 Ha at Block No. 22, Re-Sy. No. 441/7-3, 441/7-4, 441/7-5-2, in Arakkappady Village, Kunnathunad Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/172346/2020; 1826/EC3/2020/SEIAA)

Sri. Naushad T. M. submitted an application for Environmental Clearance *via* PARIVESH Portal on 10/09/2020, for the mining of Ordinary Earth, for an area of 0.4553 Ha. in Block No. 22, Re-Sy. Nos. 441/7-3, 441/7-4, 441/7-5-2, Arakkappady Village, Kunnathunad Taluk, Ernakulam, Kerala.

The Authority noted the decision of SEAC in its 122nd, 123rd, 126th, 128th, 130th, 132nd & 135th meetings of SEAC held on different dates. The Committee has appraised the proposal as per OM dated 24.06.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha and recommended EC for a period of one year to extract the ordinary earth only to the depth of 2m below ground level and also by stipulating a distance of 15m from the built structure considering the depth of the water table and possibility of instability of the benches.

The Authority noticed that there are building extremely close to the proposed site at 4.1m near BP4, 14.6m near BP5 and 12m between BP7 & BP8 and is in contradiction to the condition mentioned in the OM dated 24.06.2013 that a minimum distance of 15m from any civil structure should be kept from the periphery of any excavation area. As it is not complying with the distance norm mentioned in the OM, the **Authority decided to reject the proposal and inform the same to the Project Proponent quoting the reasons for rejection under intimation to SEAC.**

Item No.7

Environmental Clearance for the removal of Building Stone Quarry Project of M/s Rock field Estates Pvt. Ltd. at Block No. 48, Re-Survey Nos. 400/1, 400/2, 401/5-2, 406/5 of Chengalam (E) Village, Kottayam Taluk, Kottayam, Kerala.
(SIA/KL/MIN/175300/2020; 1987/EC3/2022/SEIAA)

Sri Shibu Mathew, Managing Director, M/s. Rockfield Estates Pvt. Ltd. submitted an application for Environmental Clearance *via* PARIVESH Portal on 29th April 2022, for the

mining of building stone (Minor Mineral) quarry project of M/s Rockfield Estates Pvt. Ltd. at Block No. 48, Re-Sy Nos. 400/1, 400/2, 401/5-2, 406/5 of Chengalam (E) Village, Kottayam Taluk, Kottayam, 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 and recommended EC in its 135th meeting with certain Specific Conditions in addition to the General Conditions.

Authority noticed that there is a building within 50m from BP1 as per the Google Map. Further, an abandoned old quarry with huge quarry pit filled with water shares the boundary of the present project owned by M/s Palathara Constructions Ltd. On verification, it is noticed that the corresponding address of both the projects remains same, even though the names of the Project Proponents are different. The mining in the abandoned quarry was not done scientifically and is abandoned without implementing mine closure plan. Authority is of the concern that, there is large abandoned quarry pit in close proximity to the proposed quarry, the issuance of EC for the project in the same area will be dangerous to life and property. Authority also noted that there is an O.A. No. 56/2022 against the Project Proponent and M/s Palathara Constructions Pvt. Ltd, which seems to be pending with Hon'ble NGT (SZ).

In the above circumstances, the Authority decided the following;

- 1) Refer back the proposal to SEAC to verify and report the violations done by M/s. Palathara Construction Pvt. Ltd.
- 2) Seek a legal opinion whether SEIAA can consider the application of M/s Rockfield Estates on the basis of the O.A. pending with Hon'ble NGT.
- 3) Legal Officer shall ascertain the current status of O.A No.56/2022 filed before the Hon'ble NGT.

Item No.8

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Asees Kadakkadan for an area of 0.5827 Ha in Sy. No. 458/2, 3 of Ponmala Village, Tirur Taluk, Malappuram, Kerala. (SIA/KL/MIN/194573/2021, 1889/EC6/2021/SEIAA)

Sri. Asees Kadakkadan, S/o Ibrahim Kadakkadan, Kadakkadan House, Chengottur Post, Malappuram submitted an application for Environmental Clearance through PARIVESH on 04.03.2022 for the Laterite Building Stone Quarry Project for an area of 0.5827 Ha in Sy. No. 458/2, 3 of Ponmala Village, Tirur Taluk, Malappuram, Kerala.

The Authority noted the action taken by SEAC in its 123rd, 124th, 127th, 129th & 135th meetings held on different dates. The Committee in its 135th meeting found that there is a house at a distance of 38 m from the proposed site. So, the committee decided to reject the proposal as per the existing norms regarding the distance criteria.

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.9

**Environmental Clearance for the Building Stone Quarry Project of Sri. Shri. Jimmy Jose in Sy. Nos. 805/1A-40, 805/1A-40, 805/1A-40 of Kalloorkkad Village, Muvattupuzha Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/203330/2021; 1937/EC3/2022/SEIAA)**

Shri. Jimmy Jose, Managing Partner, M/s. Mariyan Granites submitted an application for Environmental Clearance *via* PARIVESH Portal on 13.03.2021, for the mining of Granite Building Stone Quarry, for an area of 0.9802 Ha. in Sy Nos. 805/1A-40, 805/1A-40, 805/1A-40, Kalloorkkad Village, Muvattupuzha 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 135th 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) Buffer zones should be demarcated and green belt should be developed by planting trees, climbers and herbs as mentioned in the biodiversity assessment report.*
- 4) OB dump site should be at the lower part of the site (near BP8). A gabion wall shall be constructed for the OB dump.*
- 5) Compensatory afforestation plan should be implemented from the 1st year itself and the geo-coordinates and geo-tagged photographs of the area shall be submitted in HYCR.*
- 6) Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.*
- 7) Garland drain should be enlarged to carry the entire overland flow of the adjacent slopy region of the quarry.*
- 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 HYCR.*
- 9) Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 10) The overburden dumping site should be protected with gabion walls to prevent erosion.*

- 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 and dust-free with sprinkling arrangement.*
- 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 Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
- 16) *Boundary Pillars should be properly marked and fencing should be done properly.*
- 17) *The impact of vibration due to blasting on the nearest houses and other 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.*
- 18) *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 19) *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
- 20) *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 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.*
- 22) *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.10

Environmental Clearance for the Building Stone Quarry of Sri. Sukumaran. K in Sy. No. 364 of Nagalassery Village, Pattambi Taluk, Palakkad, Kerala.
(SIA/KL/MIN/209954/2021; 1951/EC1/2022/SEIAA

Sri. Sukumaran. K submitted application for Environmental Clearance via PARIVESH for the Building Stone Quarry for an Area of 0.4696 Ha in Sy. No. 364 of Nagalassery Village, Pattambi 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 and additional details/documents obtained from the Project Proponent during appraisal. After the due appraisal, the SEAC in its 135th meeting, recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that SEAC had appraised the project without attending the presentation by the Project Proponent. Hence the Authority decided to refer the proposal back to SEAC for giving recommendations after presentation as indicated in EIA notification 2006, clause 7(i) stage 4 of Appraisal.

Item No.11

Environmental Clearance for the Proposed Granite Building Stone Quarry of Sri. C. H. Sakkariya, President Mannarkkad Taluk Karinkal Quarry Operators Vyavasaya Sahakarana Sangam in Re-Sy No: 347/3 of Thachanattukara -I Village, Mannarkkad Taluk, Palakkad, Kerala.

(SIA/KL/MIN/211090/2021; 1949/EC1/2022/SEIAA)

Sri. C. H. Sakkariya, President, Mannarkkad Taluk Karinkal Quarry Operators Vyavasaya Sahakarana Sangam Ltd. NO. SIND (P) – 179, Pullissery P.O., Mannarkkad, Palakkad – 678 582. submitted application for EC via PARIVESH on 01.11.2021 for the Proposed Granite Building Stone Quarry for an extent of 0.9572 Ha in Re. Sy. No. 347/3 of Thachanattukara -I Village, Mannarkkad Taluk, Palakkad, 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 135th meeting recommended EC for a Project Life of 8 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 8 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 amendments thereby.

- 2) *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3) *The EC issued will be subject to a review by SEAC after 5 years through filed verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4) Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
- 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. Additional two settling tanks should be constructed.
- 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 HYCR.
- 7) CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented. Proof of CER implementation should be included in the HYCR
- 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 haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.
- 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) The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR

- 13) Buffer zones should be demarcated and planted with local plants as mentioned in the biodiversity assessment report. Also climbers and herbs to be planted
- 14) Boundary Pillars should be properly marked and fencing should be done properly. OB dumping site should be demarcated and gabion wall should be constructed for it.
- 15) Haulage Road should be developed and maintained dust free and with avenue trees
- 16) Compensatory afforestation plan along with geocoordinates and geo-tagged photographs of the proposed site and proposed number of trees, and proposed type of trees. Shrubs, herbs and climbers.
- 17) Boundary fencing should be done prior to mining.
- 18) Major part of the proposed quarry site includes an abandoned quarry without any benches with steep wall and irregular quarry faces which should be rectified by developing proper benches in future quarrying operations under the supervision of qualified mining personal.
- 19) ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
- 20) *As per OM no F.No.22-65/2017-IA.III dated 30th 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 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.

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

Item No.12

**Environmental Clearance for Laterite Building Stone Quarry Project of Sri. Mirshad C.K in Re-Sy. Nos. 67/1190, 67/1191, 67/1187, 67/1186, 67/801 in Kakkad Village, Kozhikode Taluk, Kozhikode, Kerala.
(SIA/KL/MIN/223779/2021 1921/EC4/SEIAA/2021}**

Sri. Mirshad C.K, S/o Aboobacker, Charalikunnath House, Keezhuparamba P.O, Malappuram submitted an application through PARIVESH on 09.08.2021 for Environmental Clearance for the Laterite Building Stone Quarry Project for an area of 0.7115 Ha, in Re-Sy. Nos. 67/1190, 67/1191, 67/1187, 67/1186, 67/80, Kakkad Village, Kozhikode Taluk, Kozhikode, 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 135th meeting recommended to issue EC for the period of 3 year, 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) year, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.

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

- 2) *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3) *The mining should be limited to 2 m above the lithomargic clay bed.*
- 4) *The activity associated with borrowing/excavation should not involve blasting.*
- 5) *The borrowing/excavation activity should be strictly according to the mine plan.*
- 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 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) *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.*
- 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 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.
- 20) As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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.
- 21) The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.13

**Environmental Clearance for Laterite Building Stone Quarry Project of Sri. Shaji in Re-Sy. Nos. 67/636, 67/639, 67/637, 67/649, 67/748, Kakkad Village, Kozhikode Taluk, Kozhikode, Kerala.
(SIA/KL/MIN/232409/2021 1961/EC4/2022/SEIAA)**

Sri. Shaji, S/o Aboobacker Kundukuli, Karakkodi House, Iruvetti P.O, Malappuram submitted an application through PARIVESH on 04.10.2021 for Environmental Clearance for the Laterite Building Stone Quarry Project for an area of 0.9902 Ha, in Re- Sy.Nos. 67/636, 67/639, 67/637, 67/649, 67/748, Kakkad Village, Kozhikode Taluk, Kozhikode, 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 135th meeting recommended to issue EC for the period of 3 year, 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) year, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.

- 1) The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2) The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3) The mining should be limited to 2 m above the lithomargic clay bed.*
- 4) The activity associated with borrowing/excavation should not involve blasting.*
- 5) The borrowing/excavation activity should be restricted to a maximum depth of 10m below general ground level 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 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) *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.*
- 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 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
- 20) *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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.*
- 21) *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.14**Environmental Clearance for the Building Stone Quarry project of Sri. Sabu Kuriakose in Block No.14, Re-Sy Nos. 357/1, 357/2 & 357/3 of Karimkunnamm Village, Thodupuzha Taluk, Idukki, Kerala (SIA/KL/MIN/239769/2021, 2062/EC3/2022/SEIAA)**

Shri. Sabu Kuriakose submitted an application for Environmental Clearance *via* Parivesh Portal on 20.11.2021, for the mining of Granite Building Stone Quarry, for an area of 0.9883 Ha. in Re -Sy Nos. 357/1,357/2 & 357/3, of Karimkunnamm Village, Thodupuzha Taluk, Idukki, 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 Filed Inspection Report. After the due appraisal, the SEAC in its 135th 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. Culvert should be constructed before the commencement of mining, where the drainage water crosses the road to natural stream.*
- 4. Development of green belt should be initiated prior to the commencement of mining operation.*
- 5. 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.

- 6. Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 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. Additional two settling tanks should be constructed.*
- 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 HYCR.*
- 9. A temporary wall of 8m height should be provided as barrier to the residential zones adjacent to the proposed 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. Proof of CER implementation should be included in the HYCR*
- 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 and dust-free with sprinkling arrangement.*
- 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 Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
- 16. As per the Kerala State Disaster Management Plan 2016, quarrying in moderate hazard zone shall be permitted only after getting the approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05-2014.*

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 30th 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 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.*
21. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.15

**Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Manningachalil Ibrahim for an area of 0.1942 Ha in Re- Sy No. 242/1-3, 242/2 of Pulpatta Village, Ernad Taluk, Malappuram, Kerala
(SIA/KL/MIN/255794/2022, 2000/EC6/2022/SEIAA)**

Shri. Manningachalil Ibrahim, S/o Kunhalan Manningachalil, Palayakottukundil House, Olamathil Post, Malappuram submitted an application for Environmental Clearance through PARIVESH Portal on 10.05.2022, for the Laterite Building Stone Quarry Project for an area of 0.1942 Ha. in Re- Sy Nos. 242/1-3, 242/2 in Pulpatta Village, Ernad 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 135th 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 excavation activity associated should not involve blasting.*
- 4. The excavation activity should be restricted to a maximum depth of 6m 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 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 50m from any civil structure should be kept from the periphery of the project area.*
14. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
15. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance. It should be integrated with the drainage system provided for the adjacent laterite mines of Moideenkutty Parakkadan and Ayamu Parakkadan ensuring adequacy of carrying capacity.*
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. *Compensatory afforestation and avenue plantation shall be established by the Proponent. It may be done in public spaces available in the nearby areas or in schools or such other institutions by supporting the institution for development and management of plantation.*
20. *Since the 3 project sites (SIA/KL/MIN/261634/2022, SIA/KL/MIN/262702/2022 and SIA/KL/MIN/255794/2022) are very adjacent to each other, a comprehensive drainage plan should be prepared and executed by the Project Proponent Sri. Moideenkutty. P (SIA/KL/MIN/255794/2022) who holds the larger project area, and the other two proponents namely Sri. Ibrahim & Sri. Ayamu should cooperate to implement the same. The expenditure should be equally shared among the three proponents.*
21. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The*

EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.

22. 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.

23. 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 Laterite Building Stone Quarry Project of Sri. Ayamu for an area of 0.3391 Ha in Re-Sy No. 242/1-3 in Pulpatta Village, Ernad Taluk, Malappuram, Kerala (SIA/KL/MIN/261634/2022, 1999/EC6/2022/SEIAA)

Sri. Ayamu, S/o Kunhara Master, Parakkadan House, Valamangalam Post, Malappuram submitted an application for Environmental Clearance through PARIVESH on 10.05.2022 for the Laterite Building Stone Quarry Project for an area of 0.3391 Ha in Re-Sy. No. 242/1-3 in Pulpatta Village, Ernad 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 135th meeting recommended to issue EC for the period of 2 year, 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) 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 strictly according to the mine plan.*
5. *The borrowing/excavation activity should not alter the natural drainage pattern of the area.*
6. *The borrowed/excavated pit should be restored by the Project Proponent for useful purposes.*
7. *Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap.*
8. *Measures should be taken to prevent dust emission by covering borrowed/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 borrowing/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. *Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary and geotagged photographs of all the boundary pillars should be submitted prior to commencement of mining.*
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. *Since the 3 project sites (SIA/KL/MIN/261634/2022, SIA/KL/MIN/262702/2022 and SIA/KL/MIN/255794/2022) are very adjacent to each other, a comprehensive drainage plan should be prepared and executed by the Project Proponent Sri. Moideenkutty. P (SIA/KL/MIN/255794/2022) who holds the larger project area, and the other two proponents namely Sri. Ibrahim & Sri. Ayamu should cooperate to implement the same. The expenditure should be equally shared among the three proponents.*
19. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
20. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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.*
21. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No. 17

Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Moideenkutty. P for an area of 0.4061 Ha in Re- Sy. Nos. 242/1-3 & 242/2 of Pulpatta Village, Ernad Taluk, Malappuram, Kerala.

Shri. Moideenkutty. P, S/o Kunhara, Parakkadan House, Valamangalam Post, Malappuram submitted an application for Environmental Clearance through PARIVESH Portal on 10.05.2022 for the Laterite Building Stone Quarry Project for an area of 0.4061 Ha. in Re- Sy Nos. 242/1-3 & 242/2 in Pulpatta Village, Ernad 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 135th meeting recommended to issue EC for the period of 2 year, 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) 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 strictly according to the mine plan.*
- 5. The borrowing/excavation activity should not alter the natural drainage pattern of the area.*
- 6. The borrowed/excavated pit should be restored by the Project Proponent for useful purposes.*
- 7. Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap.*
- 8. Measures should be taken to prevent dust emission by covering borrowed/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 borrowing/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. *Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary and geotagged photographs of all the boundary pillars should be submitted prior to commencement of mining.*
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. *Since the 3 project sites (SIA/KL/MIN/261634/2022, SIA/KL/MIN/262702/2022 and SIA/KL/MIN/255794/2022) are very adjacent to each other, a comprehensive drainage plan should be prepared and executed by the Project Proponent Sri. Moideenkutty. P (SIA/KL/MIN/255794/2022) who holds the larger project area, and the other two proponents namely Sri. Ibrahim & Sri. Ayamu should cooperate to implement the same. The expenditure should be equally shared among the three proponents.*
19. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for*

information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.

20. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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.

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

Item No.18

**Environmental Clearance for Laterite building stone quarry of Sri. Ansar. C in Sy No. 1/2A, of Pottassery-2 Village of Mannarkkad Taluk, Palakkad Kerala.
(SIA/KL/MIN/265909/2022; 1985/EC1/2022/SEIAA)**

Sri. Ansar. C submitted application for Environmental Clearance via PARIVESH for Laterite building stone quarry for an extent of 0.8489 Ha in Survey No. 1/2A, of Pottassery-2 Village of Mannarkkad 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 135th meeting recommended to issue EC for the period of 4 year, 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) 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 strictly according to the mine plan.*
- 5. The borrowing/excavation activity should not alter the natural drainage pattern of the area.*
- 6. The borrowed/excavated pit should be restored by the Project Proponent for useful purposes.*
- 7. Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap.*
- 8. Measures should be taken to prevent dust emission by covering borrowed/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 borrowing/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. Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary and geotagged photographs of all the boundary pillars should be submitted prior to commencement of mining.*
- 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 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.
19. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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.19

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Nisamudheen P in Re-Sy. Nos. 2/6, 51/1 of Nellaya Village, Ottappalam Taluk, Palakkad, Kerala
(SIA/KL/MIN/276170/2022; 2032/EC1/2022/SEIAA)**

Sri. Nisamudheen P, Pulakoottathil Veedu, Thathanampully, Kulukkallur, Palakkad submitted application for EC via PARIVESH on 09.06.2022 for the Granite Building Stone Quarry for an extent of 0.7837 Ha in Re-Survey Nos: 2/6, 51/1 of Nellaya Village, Ottappalam 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 135th 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. *Preservation of natural habitats in the buffer zone.*
4. *Improve habitat conditions through afforestation with local fruit yielding species, which attract faunal diversity and soil conservation measures.*
5. *As the mining activity removes the native fauna and flora, a separate area should be earmarked for afforestation as in the Biodiversity Assessment Report.*
6. *Development of green belt should be initiated prior to the commencement of mining operation.*
7. *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.*
8. *Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
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. Additional two settling tanks should be constructed.*

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. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented. Proof of CER implementation should be included in the HYCR*
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. *The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.*
14. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
15. *Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office*
16. *The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
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 30th 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 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.*

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

Item No.20

Granite Building Stone Quarry of Sri. Sabu Kuriakose, Managing Director, M/s Kavumkal Granites for an area of 0.7070 Ha. in Re-Sy No. 470/6, Vadasserikkara Village, Ranni Taluk, Pathanamthitta, Kerala.

(SIA/KL/MIN/278377/2022; 2058/EC1/2022/SEIAA)

Deferred for seeking clarification from MoEFCC as decided in the 119th SEIAA meeting held on 26th & 27th October 2022 regarding the consideration of application for EC for mining projects in ESA Villages.

Item No.21

**Environmental Clearance for Expansion of Existing Masonry Stone Mine (Quarry) project of M/s H & P Granites for an area of 9.0681 Ha in Kummil Village, Kottarakkara Taluk, Kollam, Kerala
(SIA/KL/MIN/44927/2019; 1210(A)/EC2/2019/SEIAA)**

Mr. Harish G. Nair (Managing Partner), M/s H & P Granites, 6/530, Kondody, Kummil P.O., Kottarakkara Taluk, Kollam, Kerala-691536. Submitted an application for Environmental Clearance for the Granite Building Stone Quarry for an area of 9.0681 Ha in Block No.50, Re-sy. Nos. 462/01, 462/01-2, 462/02, 465/01, 465/04, 465/04-2, 465/05, 481/01-2, 481/01-1,

482/02, 482/02-2, 482/02-3, 482/04, 482/05, 482/06, 483/03, 483/04, (Patta Land), 464, 465/03, 465/08, 482/01, 482/03, (Govt. Land), Kummil Village, Kottarakkara Taluk, Kollam, 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 135th 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 also observed that as per one of the Specific Condition recommended by SEAC, the depth of mining should be limited to 135m above MSL considering the depth to the groundwater table and hence the total mineable reserve will be reduced to that extent.

The Authority decided to issue Environmental Clearance initially for a period of 5 years, and then to extend the EC period to cover the project life of 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 amendments thereby.*
- 2. The depth of mining is limited to 135m above MSL considering the depth to the groundwater table and hence a revised Scheme of Mining shall be prepared as per which the total mineable reserve will be reduced to that extent. Department of mining and Geology shall rework the quantity and transport permits shall be issued only for the*

reworked reduced quantity.

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 filed verification to ensure that mining is carried out sustainably as per the EC conditions.*
5. *Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
6. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
7. *Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*
8. *Operation of the H&P Granites and Vismaya Rocks shall be monitored regularly once in 6 months by a committee headed by an Official of the State Pollution Control Board with Project Proponents of H&P Granites and Vismaya Rocks, a representative of Kummil Grama Panchayat, and a representative from Department of mining and Geology as members. The monitoring report of the committee shall be a part of half yearly completion report and the Project proponent shall take all corrective measures as suggested by committee.*
9. *The height and width of the benches are not maintained uniformly as per the stipulations in the approved mine plan and it should be corrected immediately wherever there is inadequacy*
10. *The overburden dumping site should be protected with gabion walls to prevent erosion.*
11. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
12. *Impact of vibration due to blasting should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*

13. *Compensatory afforestation should be done from the 1st year itself and the coordinates of the area with geo-tagged photos should be submitted in HYCR.*
14. *Garland drains along with silt traps should be provided considering the entire project area and it should be drained to the existing siltation ponds or additional ones. If necessary, the carrying capacity of the siltation ponds and outflow channel should be enhanced*
15. *The Project proponent shall carry out the recommendations made after public hearing as per the approved EIA and EMP reports.*
16. *The garland drain, silt traps, siltation ponds and outflow channel should be cleaned and desilted periodically and geo-tagged photographs of the process should be uploaded in the HYCR*
17. *The minutes of the meeting of the EMC along with the action taken report of the decisions of the EMC, authenticated by the Chairman and Environmental Officer of the EMC should be uploaded in the HYCR*
18. *The transportation of the mined material should be regulated as per the traffic management plan and no movement of trucks should be allowed during the peak hours in the forenoon and afternoon.*
19. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
20. *As per OM no F.No.22-65/2017-IA.III dated 30th 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 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.*

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

Item No.22

**Environmental Clearance for the Granite Building Stone Quarry Project of Mr. Manoj K. for an area of 0.9524 ha in Block No.2, Re-Sy. No. 105/1-31, 105/1-34, 105/1-6, 105/1-9 Kannamangalam Village, Thirurangadi Taluk, Malappuram, Kerala.
(SIA/KL/MIN/61795/2019; 1894/EC6/2021/ SEIAA)**

Sri. Manoj K, S/o Ummer, Kuzhikkattil House, Nilambur (RS) Post, Malappuram submitted an application for Environmental Clearance through PARIVESH on 20.04.2021 for the Granite Building Stone Quarry Project for an area of 0.9524 ha in Block No.2, Re-Sy. No. 105/1-31, 105/1-34, 105/1-6, 105/1-9 Kannamangalam Village, Thirurangadi Taluk, Malappuram, 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 Filed Inspection Report. **The Authority also noticed that there is an error in recommendations of SEAC with respect to the extractable quantity in Field Inspection Report and Mining Plan. EC shall be issued for the mineable reserve mentioned in the approved mining plan.**

After the due appraisal, the SEAC in its 135th 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. *Buffer zones should be demarcated and green belt should be developed by planting trees, climbers and herbs as mentioned in the biodiversity assessment report.*
4. *OB dump site should be at the lower part of the site (near BP8). A gabion wall shall be constructed for the OB dump.*
5. *Compensatory afforestation plan should be implemented from the 1st year itself and the geo-coordinates and geo-tagged photographs of the area shall be submitted in HYCR.*
6. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.*
7. *Garland drain should be enlarged to carry the entire overland flow of the adjacent slopy region of the quarry.*
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 HYCR.*
9. *Monitoring of drainage water should be carried out at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream.*

- Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 10. The overburden dumping site should be protected with gabion walls to prevent erosion.*
 - 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 and dust-free with sprinkling arrangement.*
 - 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 Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
 - 16. Boundary Pillars should be properly marked and fencing should be done properly.*
 - 17. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
 - 18. The Project Proponent shall execute the activities agreed upon in the Environment Management Plan with special reference to activities agreed to be implemented in Public hearing report.***
 - 19. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*

20. *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 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.*
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 the Building Stone Quarry Project of Sri. V. Sudhakaran at Block No. 4, Re- Sy Nos. 270/1, 2, 3, 4, 4-1, 5, 5-1, 5-2, 5-3,5-4, 5-18, 5-19, 12,12-1, 12-2, 14, 15, 15-1, 16, 17, Pallichal Village, Neyyattinkara Taluk, Thiruvananthapuram, Kerala.
(SIA/KL/MIN/155712/2020; 1688/EC1/2020/SEIAA)**

Sri. V. Sudhakaran submitted application for Environmental Clearance via Parivesh for the Building Stone Quarry Project for an area of 1.7230 ha at Block No. 4, Re- Sy. Nos. 270/1, 2, 3, 4, 4-1, 5, 5-1, 5-2, 5-3,5-4, 5-18, 5-19, 12,12-1, 12-2, 14, 15, 15-1, 16, 17 of Pallichal Village, Neyyattinkara Taluk, Thiruvananthapuram, 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 135th 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 also observed that as per one of the Specific Condition recommended by SEAC, the depth of mining is limited to 40m above MSL instead of 25m above MSL considering the depth to the groundwater table. Hence the total mineable reserve will be reduced to 417860 MT, and the project life of mine is reduced to 9 years.

Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity of 417860 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 amendments thereby.*
- 2. The depth of mining is limited to 40m above MSL instead of 25m above MSL considering the depth to the groundwater table and the life of mine shall be 9 years. Appropriate modification in the mine plan shall be made under authentication from the Mining & Geology Department.*
- 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 filed verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 5. The District Geologist shall issue lease/permit only after getting a recommendation*

from the Village Officer that the quarry can be permitted in the proposed Survey Numbers.

- 6. The Village Officer should confirm the status of the land and the panchayat license shall be issued only after confirming quarrying can be permitted in the proposed Survey Numbers.*
- 7. Project Proponent shall relocate the crusher to comply with the distance norm or maintain a buffer of 50m between the crusher and active boundary of the mine before commencing the mine operation. An affidavit in the respect of the same shall be produced before commencing the mining operations.*
- 8. A temporary wall of height 2.5m shall be erected at the boundary connecting BP6-BP7-BP8-BP9-BP10.*
- 9. Impact vibration due to blasting shall be monitored at the built structures up to 100m in terms of peak particle velocity and amplitude for maximum charge per delay and the result should be submitted along with HYCR.*
- 10. Green belt shall be developed and nurtured all along the buffer zone and geo-tagged photographs showing the status should be submitted along with HYCR. It should be initiated prior to the commencement of mining.*
- 11. Compensatory afforestation shall be done by planting trees, climbers and herbs of local species and geo-tagged photographs showing the status should be submitted along with HYCR. It should be initiated prior to the commencement of mining.*
- 12. Drainage management system incorporating garland canal, silt traps, siltation ponds, outflow channel connecting to natural drain shall be in place prior to the commencement of mining.*
- 13. Garland canal, silt traps, siltation ponds and outflow channel shall be desilted and cleaned periodically to sustain the carrying capacity and geo-tagged photographs of the process should be submitted along with HYCR.*
- 14. The recurring expenditure required for implementation of EMP and CER is earmarked only up to 5th year. It shall be extended to the entire life of mine up to the completion of mine closure plan.*
- 15. The overburden dumping site shall be protected with gabion walls.*
- 16. Transportation of mined material shall not be done during the peak hours in the forenoon*

(8.00am to 10.00am) and afternoon (3.30pm to 5 pm).

- 17. The haulage road shall be maintained well and dust-free with sprinkling arrangement.*
- 18. Adequate sanitation, waste management, and rest room facilities shall be provided to the workers.*
- 19. Adequate energy conservation measures proposed shall be implemented including solar power installations for street lights and office.*
- 20. The Environment Management Cell (EMC) shall include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
- 21. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 22. In the interest of residential buildings and other structures 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.*
 - 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.*
- 23. As per OM no F.No.22-65/2017-IA.III dated 30th 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.

24. *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.*
25. *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.*
26. *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 Granite Building Stone Quarry of Sri. K. M. Stephen for an area of 4.9003 Ha. in Block No. 27,(Re-Sy. Block no. 37) Re-Sy. Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1, Karimannur Village, Thodupuzha Taluk, Idukki, Kerala.

(Old Rejected Proposal No. SIA/KL/MIN/126172/2019, New Proposal No.SIA/KL/ MIN/ 405925/2022, File: No.1527/EC1/2019/ SEIAA)

Sri. K. M. Stephen, Kaniyarkuzhiyil, Karimkunnam P.O, Idukki, Kerala – 685 586 submitted an application for Environmental Clearance via PARIVESH on 20/11/2019 for the Granite Building Stone Quarry over an extent of 4.9003 Ha. (12.1086 Acres) in Block No. 27,

(Re-Sy. Block No. 37) Re-Sy. Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1, Karimannur Village, Thodupuzha Taluk, Idukki, 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 Filed Inspection Report. After the due appraisal, the SEAC in its 135th meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noticed that Sri. Vincent K. George filed WP(C) No. 36171 of 2022 before Hon'ble High Court of Kerala with a prayer to give an opportunity of being heard. Hence the Authority decided to refer the case back to SEAC to hear the complainant and the Project Proponent and recommend accordingly after hearing both the sides.

Item No.25 **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 of 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 Indl.Estate, Balanagar, Hyderabad, Telengana-500037 submitted an application through PARIVESH on 22.04.2022 for Environmental Clearance in SEIAA for the proposed Granite Building Stone Quarry Project for an area of 2.1854 Ha, in Re.Sy.Nos.74/772, 74/151, 74/154, 74/152, 74/1D in Kuttur Village, Payyannur Taluk, Kannur District, Kerala.

The Authority perused the proposal and noted the legal opinion received from the Legal Officer, SEIAA. The Committee in its 132nd meeting decided to recommend EC for a period of 5 years. Authority also noticed the complaint received from Mr. Anoop, Kozhikkode requesting for enforcing the judgment of the Hon'ble National Green Tribunal in original Application No.75 of 2021, against the violation of EC conditions by M/s. RDS Project Limited and during

the appraisal of adjacent projects, the present circumstances and directions of Hon'ble Courts shall be taken into consideration before final recommendation.

The Authority decided to refer back the proposal to SEAC along with the legal opinion received from the Legal Officer, SEIAA to reconsider the decision in the light of the Order of the NGT in OA No.75 of 2022. SEAC is requested to verify whether the boundary of M/s. RDS Project Limited overlap the boundary of M/s Megha Engineering & Infrastructures Ltd. Since the project under appraisal is located very adjacent to the site implied in the Hon. NGT direction, it is requested to verify any other directions have been issued regarding quarrying activity in and around the project site of M/s. RDS Project Limited. SEAC is also requested to give the recommendation before the next SEIAA meeting.

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE (Extension/Amendment/Corrigendum)

<u>Item No.1</u>	Extension of validity of Environmental Clearance for the Laterite Quarry project of Sri. Muraleedharan L in Sy No. 467/8-2, of Naduvathoor Village, Kottarakara Taluk, Kollam, Kerala (SIA/KL/MIN/276929/2022, 540/A1/2019/SEIAA)
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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. in Survey No. 467/8-2, of Naduvathoor Village, Kottarakara Taluk, Kollam, Kerala.

The Authority perused the proposal and noted the decisions of SEAC in its 133rd & 135th meetings of SEAC. The Committee had appraised the proposal and decided to recommend EC for a period of one year with certain specific conditions in addition to general conditions. The Authority noticed that the application is for extension of EC for mining the remaining quantity of the mineral and the Committee recommended for fresh EC. Hence the Authority decided to refer back the proposal to SEAC to give definite recommendations for extension of EC.

Item No.2

**Environmental Clearance for extending the validity of EC of Sri. Joby Joseph in Re- Sy. No. 433/2 (Old Sy. No. 26/1), Kaduthuruthi Village, Vaikom Taluk, Kottayam, Kerala.
(SIA/KL/MIN/286560/2022, 2565/A2/2019/SEIAA)**

Shri. Joby Joseph submitted an application for Environmental Clearance *via* PARIVESH Portal on 01.08.2022, for extending the validity of EC, for an area of 0.4047 Ha. in Re- Sy. No. 433/2 (Old Sy. No. 26/1) of Kaduthuruthi Village, Vaikom Taluk, Kottayam, Kerala.

The Authority perused the item and noted the decision of SEAC in its 135th meeting. The Committee verified the documents and observed that there are buildings including a church office within 50 m and a road at 17m from the proposed site which is against the norms for the applicable distance. So, the SEAC recommended to reject the proposal.

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

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

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

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