

PARIVESH FILES

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 **Environmental Clearance for the Building Stone Quarry project of Sri. Tijo Lalu in Block No.12, Re-Sy Nos. 104/8-1pt, 110/7pt, of Vengoor Village, Kunnathunad Taluk, Ernakulam, Kerala (SIA/KL/MIN/126475/2019; 1724/EC3/2020/SEIAA)**

Sri. Tijo Lalu, submitted an application for Environmental Clearance *via* PARIVESH Portal on 22/11/2019, for the mining of Granite Building Stone Quarry, for an area of 0.6046 Ha in Block No.12, Re-Sy Nos. 104/8-1pt, 110/7pt, of Vengoor Village, Kunnathunad 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 132nd 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 for 101895 MT, subject to the following Specific Conditions in addition to the General Conditions.

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

3. ***The total minable reserve is 101895MT and the lowest bench should be limited to 40m above MSL. Hence the production of the last two benches should be avoided.***
4. *Compensatory afforestation should be done at the proposed site with local plants as mentioned in the biodiversity assessment and also climbers and herbs prior to commencement of mining and the progress should be documented as geotagged photographs and submitted along with HYCR.*
5. *Environment Management Cell (EMC) shall include one Environment Science qualified subject expert.*
6. *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 a maximum charge per delay and included in the Half Yearly Compliance Report.*
7. *Development of green belt to be initiated in the demarcated buffer zones prior to the commencement of mining operation and its maintenance status should be included in the HYCR.*
8. *Drainage system incorporating garland canal, silt traps at every 50m, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
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. *Overburden dumping site should be protected with retention wall of appropriate height.*
11. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
12. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.30am) and afternoon (3.30pm to 5 pm).*
13. *The haulage road should be developed and maintained well with frequent sprinkling.*
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.*
16. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***

17. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.
18. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.
19. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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.2

**Environmental Clearance for Granite Building Stone Quarry of Sri. Jalaludeen K for an extent of 0.7161 Ha in Sy Nos. 30/3-2, 30/3-3, 30/3-4, 30/14, 37/5-1, 37/5-2 & 37/5-3 Veliyam Village, Kottarakara Taluk, Kollam, Kerala.
(SIA/KL/MIN/129766/2019; 1616/EC2/2020/SEIAA)**

Sri. Jalaludeen K, Charuvila Puthen Veedu, Veliyam West PO, Kollam, Kerala – 691 540, submitted an application for Environmental Clearance via PARIVESH Portal on 16.03.2020, for the Granite Building Stone Quarry project, for an extent of 0.9668 Ha in Survey Nos. 30/3-2, 30/3-3, 30/3-4, 30/14, 37/5-1, 37/5-2 & 37/5-3 Veliyam Village, Kottarakara Taluk, Kollam, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the 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 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. Haulage road should be developed with a width of at least 7m prior to the commencement of mining.*
- 4. The haulage road passes very close to two residential houses and their concurrence should be obtained prior to commencement of mining.*
- 5. The depth mining should be limited up to 20m above MSL so as to prevent interference with groundwater table as the depth to water table is 15m bgl.*
- 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.*

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*
9. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report*
10. *Retaining wall of appropriate height should be provided at the overburden dumping site.*
11. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
12. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.30am) and afternoon (3.30pm to 5 pm).*
13. *The haulage road should be maintained well with frequent sprinkling.*
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.*
16. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
17. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
18. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL*

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

19. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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.3

**Environment Clearance for Building Stone Quarry of Sri. Ashok Mathai Alexander, Managing Partner, M/s. Highrange Granite Industries, for an area of 4.5000 Ha in Sy No: 431 (Part) & 442 Part (Patta land) at Kokkayar village, Peerumade Taluk, Idukki.
(SIA/KL/MIN/132273/2019; 2060/EC3/2022/SEIAA)**

Sri. Ashok Mathai Alexander, Managing Partner, M/s. Highrange Granite Industries submitted an application for Environmental Clearance via PARIVESH Portal on 21/12/2019, for the mining of Granite Building Stone Quarry, for an area of 4.5000 Ha in Sy Nos. 431 (Part) & 442 Part (Patta land) at Kokkayar village, Peerumade Taluk, Idukki.

The Authority perused the proposal and noted that SEAC in its 132nd meeting examined the proposal and found the project site is located in ESA and hence rejected the proposal.

The 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.4

Environment Clearance for the Granite Building Stone Quarry of Sri. Binoj K Baby for an area of 0.7905 Ha in Re-Sy. Nos. 399/1, 399/15 & 399/18 Padichira Village, Sulthan Bathery Taluk, Wayanad, Kerala. (SIA/KL/MIN/133893/2019; 1788/E2/2020/SEIAA)

Sri. Binoj K. Baby, Managing Partner, Pulpally Stone Crushers, Sasimal P.O, Pulpally, Wayanad District, Kerala vide application received on 19.09.2020, sought Environmental Clearance for the proposed Granite Building Stone Quarry in Re-Sy. Nos. 399/1, 399/15 & 399/18 of Padichira Village, Sulthan Bathery Taluk, Wayanad, Kerala.

The Authority noted the action taken by SEAC in its 120th, 122nd, 123rd, 126th, 127th, 130th meetings held on different dates. The Committee in its 130th meeting examined the proposal and discussed the field inspection report. It is found that a residential building occupied by the proponent is situated at a distance of 31m which is certified as Site Office by the Village Officer. There are also other buildings within 50m. As per the decision of SEIAA, and as per the existing norms, EC cannot be issued if a built structure is within 50 m from the project boundary. Therefore the Committee decided to recommend rejection of the proposal.

On the request of the proponent on 03.08.2022 and as per the Judgment dated 12.08.2022 in WP(C) No.26010/2022, the 118th SEIAA meeting held on 30th September & 01st October 2022 Authority heard the proponent and directed to submit the hearing note. The Authority verified the hearing note submitted by the proponent on 07.10.2022, and found that there is no substantial reasons to reconsider the decision of SEAC to reject the application.

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.5

Environmental Clearance for the Building Stone Quarry project of Sri Vinoi Kurian M/s. Four Star Granites, for an area of 1.6479 Ha in Sy. 503/1, 503/2, 498/3-B/8- 6, & 493/1/14-8 of Varappetty Village, Kothamangalam Taluk, Ernakulam, Kerala. (SIA/KL/MIN/134527/2020; 1637/EC3/2020/SEIAA)

Sri. Vinoi Kurian, M/s. Four Star Granites, submitted an application for Environmental Clearance via PARIVESH Portal on 03/01/2020, for the mining of Granite Building Stone Quarry, for an area of 1.6479 Ha in Sy. 503/1, 503/2, 498/3-B/8-6 & 493/1/14-8 of Varappetty Village, Kothamangalam Taluk, Ernakulam, 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 132nd meeting recommended EC for a project life of 7 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years.

Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan, and then to extend the EC period to cover the project life of 7 years as recommended by SEAC, 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 proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The 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. *The depth of mining should be limited to **40m** above MSL to prevent intersecting of water table.*
5. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
6. *The garland canal, silt traps and outflow channel should be maintained periodically by cleaning and desilting and geo-tagged photographs of the process should be included in the half yearly compliance report*
7. *Development of green belt should be done in the first six months in the demarcated buffer zones prior to the commencement of mining operation and its maintenance status should be included in the HYCR.*
8. *Compensatory afforestation should be done at the proposed site with local plants as mentioned in the biodiversity assessment and also climbers and herbs prior to commencement of mining and the progress should be documented as geotagged photographs and submitted along with HYCR.*
9. *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 a maximum charge per delay and included in the Half Yearly Compliance Report.*
10. *Gabion wall of appropriate height should be provided at the overburden dumping site.*
11. *The boundary pillars should be fixed permanently and submit photos along with HYCR.*
12. *The approach road leading to the quarry should be widened before the commencement of quarrying*
13. *The haulage road should be developed and maintained well with frequent sprinkling.*
14. *Environment Management Cell (EMC) shall include one Environment Science qualified subject expert.*
15. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
16. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.30am) and afternoon (3.30pm to 5 pm).*
17. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*

18. Adequate energy conservation measures proposed should be implemented including solar power installations.
19. If the abandoned quarry adjacent to the proposed project area is owned by the Project Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.
20. **Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.**
21. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.
22. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.
23. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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.

24. 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 proposed Granite Building Stone Quarry of Sri. Raju K. Thomas in Block No. 26, Re-Sy No. 217pt (Govt. Land) at Pallickal Village, Varkala Taluk, Thiruvananthapuram, Kerala
(SIA/KL/MIN/134791/2020; 1625/EC1/2020/SEIAA)**

Shri. Raju K. Thomas, Kalloth River View, Vadasserikkara, Ranni, Pathanamthitta District - 689 662 submitted an application for Environmental Clearance via PARIVESH on 04.01.2020 for the proposed Granite Building Stone Quarry for an area of 2.9824 Ha in Block No. 26, Re-Sy No. 217pt (Govt. Land) at Pallickal Village, Varkala Taluk, Thiruvananthapuram.

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 132nd 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. The EC shall be issued subject to the condition that the Project Proponent shall produce valid NoC or clarification regarding the validity of NOC from the District Authorities.*
- 4. The government lease area shall be used for the mining activities only.*
- 5. The depth of mining should be limited to 58m above MSL to prevent intersecting the water table as the depth to water table is 55m above MSL.*
- 6. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the half-yearly compliance report.*
- 7. 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.*
- 8. A retaining wall of appropriate height should be provided for the overburden dumping site.*
- 9. OB Dump site should be in the open land available at lower elevation, for ensuring safe storage and easy removal and usage of soil at the time of closure of the mine.*
- 10. Compensatory afforestation should be done prior to the commencement of mining with indigenous species of trees and the geocoordinates of the afforested place with photographs should be provided along with half-yearly compliance report.*
- 11. The approach road leading to the quarry should be widened to a minimum width of 7 m before the commencement of quarrying.*
- 12. The boundary pillars should be changed with concrete pillars with a minimum size of 10 cm x10 cm, marked with geo coordinates and provide proof (photo) along with HYCR.*
- 13. 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.*

14. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
15. *An additional settling pond should be established at the lower part of leased land, for ensuring clear water discharge, into nearby river / lower part of land, as Pallichal River is flowing nearby. The natural course or flow of Pallikkal River shall not be disturbed.*
16. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
17. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
18. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
19. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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.7 **Environmental Clearance for the Removal of Ordinary Earth of Sri. Binu K. Alias, in Block No. 49, Re-Sy Nos. 132/5, 132/6, 132/14, 132/22, Aikarand South Village, Kunnathunad Taluk, Ernakulam, Kerala.**
(SIA/KL/MIN/135339/2020; 2027/EC3/2022/SEIAA)

Sri. Binu K. Alias, submitted an application for Environmental Clearance via PARIVESH Portal on 06/01/2020, for the mining of Ordinary Earth, for an area of 0.6200 Ha in Block No. 49, Re-Sy. Nos. 132/5, 132/6, 132/14, 132/22, Aikarand South Village, Kunnathunad Taluk, Ernakulam, Kerala.

The Authority perused the item and noted the SEAC in its 132nd meeting recommended EC with a certain Specific Condition that the borrowing/excavation activity should be restricted to a maximum depth of 2m below general ground level at the site. Authority observed that as there is an approved Mining Plan the 2m depth is not practical in the case of mining of ordinary earth.

Authority also noticed that the slope is towards north - south direction, at the northern end the depth of excavation is upto 18 m and there are houses within 10m at the southern side. Since benches are not practical for mining ordinary earth, Authority decided to refer back the proposal to SEAC for reconsideration by assessing the impact of removing this much volume of earth and give recommendations by suggesting protective measures to avoid landslides/slips, etc, in case the proposal can be reconsidered with additional protective measures.

Item No.8 **Environmental Clearance for the Granite building Stone Quarry project of Sri. Saju George for an area of 0.5921 Ha in Survey Nos. 590/11 (1,2,3,4), 590/18(1,2,3,4), 590/12(2,3), Vengoor west Village, Kunnathunadu Taluk, Ernakulam, Kerala.**
(SIA/KL/MIN/150744/2020; 1824/EC3/2020/SEIAA)

Sri. Saju George, submitted an application for Environmental Clearance via PARIVESH Portal on 26/08/2020, for the mining of Granite Building Stone Quarry, for an area of 0.5921 Ha. in Survey Nos. 590/11 (1,2,3,4), 590/18(1,2,3,4), 590/12(2,3), Vengoor west Village, Kunnathunadu 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 132nd 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. Development of green belt should be done in the first six months in the demarcated buffer zones prior to the commencement of mining operation and its maintenance status should be included in the HYCR.*
- 4. The buffer zone at the north side should be filled with overburden and green belt developed.*
- 5. Garland drains along with silt traps at 20m interval, siltation pond of appropriate volume and outflow channel should be provided covering the entire project area. The siltation pond should be provided at the lowest portion of the project area with the outflow channel connected to natural drain.*

6. *Garland drain, silt-traps, siltation ponds, and outflow channel should be desilted periodically to prevent any obstruction to the drainage system. Geo-tagged photographs of periodic cleaning of garland canal, silt traps, siltation pond and outflow channel should be included in the half-yearly compliance report.*
7. *Compensatory afforestation should be done prior to the commencement of mining with indigenous species of trees and the geo-coordinates of the afforested place with photographs should be provided along with half-yearly compliance report.*
8. *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.*
9. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00 am) and afternoon (3.30pm to 5 pm).*
10. *The haulage road should be developed and maintained well with frequent sprinkling.*
11. *Top soil dump site should be at the North-west side and it should be protected with gabion wall*
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.*
14. *If the abandoned quarry adjacent to the proposed project area is owned by the Project Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering*

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

- 17. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 18. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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.9

**Environmental Clearance for the Building Stone Quarry Project of Sri. M. V. Antoo in Block No. 50, Re-Sy Nos. 24/1, 25/4, Mangalam Dam Village, Alathur Taluk, Palakkad District
(SIA/KL/MIN/152787/2020; 1716/EC1/2020/SEIAA)**

Mr. M V Antoo, S/o Vareed M M, Manickathan House, Chandrapura, Manjapra P O, Ernakulam District submitted an application for EC via PARIVESH on 08.05.2020 for the

Building Stone Quarry Project for an area of 1.96 Ha in Block No. 50, Re-Sy Nos. 24/1, 25/4 of Mangalam Dam Village, Alathur Taluk, Palakkad District.

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 132nd meeting recommended EC for a project life of 7 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years.

Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan, and then to extend the EC period to cover the project life of 7 years as recommended by SEAC , 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 proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The 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. Since the quarry site is located within a distance of 10 km from Peechi- Vazhani Wild*

Life Sanctuary, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site.

5. *Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
6. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
7. *The garland canal, silt traps and outflow channel should be maintained periodically by cleaning and desilting and geo-tagged photographs of the process should be included in the half yearly compliance report*
8. *Development of green belt with indigenous species should be done in the first six months in the demarcated buffer zones prior to the commencement of mining operation and its maintenance status should be included in the HYCR.*
9. *Compensatory afforestation is required as portion of the buffer is not conducive to thick vegetation growth. Compensatory afforestation should be done at the proposed site with indigenous species as mentioned in the biodiversity assessment report prior to commencement of mining and the progress should be documented as geotagged photographs and submitted along with HYCR.*
10. *OB dumping area should be protected with retaining wall/ gabion structure.*
11. *The haulage road should be developed and maintained well with frequent sprinkling.*
12. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*

13. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.30am) and afternoon (3.30pm to 5 pm).*
14. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
15. *Adequate energy conservation measures proposed should be implemented including solar power installations.*
16. *Consent from the neighbor land owners regarding water usage and passing of drainage should be submitted along with the HYCR.*
17. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District Collector, Palakkad and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
20. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is*

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

21. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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 project of Sri. Stephen Joseph, Managing Director, M/s Crystal Aggregates Pvt. Ltd., for an area of 0.9108 Ha in Sy Nos. 508/3/2, 510/3B/2, Thirumarady Village, Muvattupuzha Taluk, Ernakulam, Kerala. (SIA/KL/MIN/153262/2020; 1825/EC3/2020/SEIAA)

Sri. Stephen Joseph, Managing Director, M/s Crystal Aggregates Pvt Ltd submitted an application for Environmental Clearance via PARIVESH Portal on 22/05/2020, for the mining of Granite Building Stone Quarry, for an area of 0.9108 Ha in Sy Nos. 508/3/2, 510/3B/2, Thirumarady Village, Muvattupuzha Taluk, Ernakulam, Kerala.

The Authority noted the action taken by SEAC in its 123rd, 124th, 126th, 130th & 132nd meetings held on different dates. The Committee in its 132nd meeting examined the proposal, verified the documents and discussed the field inspection report. There are three built structures in the form of chicken farm sheds within 50m, the first one within 10m from the boundary pillar No. 3. Therefore the Committee decided not to recommend the proposal for environmental clearance due to the presence of built structures within 50m of the project site.

The 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.11

**Environmental Clearance for the proposed Granite Building Stone Quarry Project of Sri. C. Mukundan in Re-Sy Nos. 89/111, 107/143, 107/144, 107/140, 107/141, 107/138 Kolavallloor Village, Thalassery Taluk, Kannur District, Kerala
(SIA/KL/MIN/168033/2020; 1822/EC4/2020/SEIAA)**

Sri. C. Mukundan, S/o Govindan, Chirakarandiyil House, Cheruparamba P.O, Kannur - 670693 submitted an application for Environmental Clearance through PARIVESH on 29.08.2020 for the proposed Granite Building Stone Quarry Project for an area of 0.8977 Ha, in Re-Sy Nos. 89/111, 107/143, 107/144, 107/140, 107/141, 107/138, Kolavallloor Village, Thalassery Taluk, Kannur, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 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 132nd 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. The haulage road should be widened and developed prior to the commencement of mining.*
- 4. Garland drains along with silt traps at 20m interval, siltation pond of appropriate volume and outflow channel should be provided covering the entire project area. The*

siltation pond should be provided at the lowest portion of the project area with the outflow channel connected to natural drain.

- 5. Garland drain, silt-traps, siltation ponds, and outflow channel should be desilted periodically to prevent any obstruction to the drainage system. Geo-tagged photographs of periodic cleaning of garland canal, silt-traps, siltation pond and outflow channel should be included in the half-yearly compliance report.*
- 6. Development of green belt should be done in the first six months in the demarcated buffer zones prior to the commencement of mining operation and its maintenance status should be included in the HYCR.*
- 7. Compensatory afforestation should be done prior to the commencement of mining with indigenous species of trees and the geo-coordinates of the afforested place with photographs should be provided along with half-yearly compliance report.*
- 8. 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.*
- 9. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00 am) and afternoon (3.30pm to 5 pm).*
- 10. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
- 11. Adequate energy conservation measures proposed should be implemented including solar power installations.*
- 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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project*

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

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.12

**Environmental Clearance for the proposed Granite Building Stone Quarry of Mr. Anish S. in Re. Sy. No. 136/pt, 137/pt, Kozhipathy Village, Chittur Taluk, Palakkad District
(SIA/KL/MIN/170197/2020; 1776/EC1/2020/SEIAA)**

Mr. Anish S., Punarvasu House, Ambattupalayam, Chittur College Post, Palakkad-678104 submitted an application for EC via PARIVESH on 28.08.2020 for the proposed Granite Building Stone Quarry for an area of 0.5940 Ha in Re-Sy Nos. 136/pt, 137/pt, Kozhipathy Village, Chittur Taluk, Palakkad.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the 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 132nd meeting, recommended EC with the project life of 4 years, subject to certain Specific Conditions in addition to the General Conditions.

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

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and 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. 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.*
- 4. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
- 5. Green belt development in the buffer zone should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
- 6. Compensatory afforestation should be done with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
- 7. Gabion wall of appropriate height should be provided at the overburden dumping site.*
- 8. CER Plan should be implemented within the first 2 Years and it should be operated and*

maintained till the mine closure plan is implemented.

- 9. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 10. An abandoned quarry with horizontal phase of below 10m distance is found of the proposed project area. This land is understood to be owned by the proponent. It is desirable that this abandoned quarry is protected with fencing after leaving a buffer zone so as to avoid danger to man and animal.*
- 11. If the abandoned quarry adjacent to the proposed project area is owned by the Project Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
- 12. The compensatory afforestation should take into consideration the buffer area where green belt development is not possible due to exposed rock*
- 13. Recommendations of Biodiversity Assessment team, (Haul Road Avenue planting, Miyavaki forest and Assisted Natural Regeneration etc.) should be followed while implementing compensatory afforestation.*
- 14. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
- 15. 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.*
- 16. **Blasting mats should be used during rock blasting to contain the blast, prevent fly***

rocks and suppress dust.

17. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.
18. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.
19. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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.13

Environment Clearance for the Granite Building Stone Quarry project of Sri. Anish Abraham for an area of 1.0 Ha in Sy No. 730, Vagamon Village, Peerumedu Taluk, Idukki, Kerala

Sri. Anish Abraham, submitted an application for Environmental Clearance via PARIVESH Portal on 01/10/2020, for the mining of Granite Building Stone Quarry, for an area 1.0 Ha in Sy No. 730, Vagamon Village, Peerumedu Taluk, Idukki, 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 132nd 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.

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 as recommended by SEAC, 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. *Since the quarry site is located within a distance of 10 km from Idukki Wild Life Sanctuary, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site.*
5. *Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
6. *The boundary pillars should be fixed with concrete and geo-tagged photographs of the same should be submitted prior to commencement of mining.*
7. *The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
8. *A temporary wall should be provided all along the stretch of the private road in addition to the green belt to avoid any adverse impact to traffic.*
9. *Green belt should be developed all along the entire buffer zone in the first year itself and it should be nurtured and maintained.*
10. *Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
11. *The overburden dump should be protected with gabion wall.*

12. *Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps at every 20m, siltation pond and outflow channel and it should be connected to the nearest natural drain.*
13. *Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
14. *The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
15. *The haulage road should be maintained well before the commencement of the mining activity.*
16. *The Environment Management Cell (EMC) should include one subject expert qualified in environment science.*
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. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
19. *Adequate energy conservation measures proposed should be implemented including solar power installations.*
20. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief Wildlife Warden, Kerala, SEAC, District Collector, Idukki and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
21. *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.*

22. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
23. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
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.14**Environmental Clearance for the proposed Laterite Building Stone Quarry Project of Sri. Chandran V in Sy Nos. 32/100B, 32/100C, 32/95A, Kolathur Village, Kasaragod Taluk, Kasaragod, Kerala (SIA/KL/MIN/208605/2022; 2053/EC2/2022/SEIAA)**

Sri. Chandran V, Arayalikal House, Paramb P O, Thekkil, Kasaragod, Kerala-671541 submitted an application for Environmental Clearance through PARIVESH on 22.06.2022 for the proposed Laterite Building Stone Quarry Project, for an area of 0.0971 Ha, in Sy Nos. 32/100B, 32/100C, 32/95A Kolathur Village, Kasaragod Taluk, Kasaragod, 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 132nd 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 2m below general ground level at the site.*
- 5. The excavation activity should be restricted to 2m above the ground water table at the site*
- 6. The excavation activity should not alter the natural drainage pattern of the area.*
- 7. The excavated pit should be restored by the project proponent for useful purpose.*
- 8. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*

9. *Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
10. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
11. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
12. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
13. *A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
14. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
15. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
16. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
17. *Measures incorporated in the CER should be implemented 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.*
18. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.30am) 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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
20. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by 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 mining of Ordinary Clay by Sri. Sebastian Thomas from an area of 0.2509 Ha in Sy Nos. 528/Pt 1, Analloor Village, Chalakkudy Taluk, Thrissur District (SIA/KL/MIN/251981/2022; 2048/EC6/2022/SEIAA)

Sri. Sebastian Thomas, Director, Thomas Tiles (P) Ltd., Analloor, Chalakkudy, Thrissur submitted an application for Environmental Clearance through PARIVESH on 16.06.2022 for the mining of ordinary clay from an area of 0.2509 Ha in Sy. Nos. 528/Pt1, Analloor Village, Chalakkudy Taluk, Thrissur District.

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 132nd meeting recommended to issue EC for the period of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

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

Item No.16

Environmental Clearance for the proposed Laterite Building Stone Quarry Project of Sri. Prasanan in Re Survey No- 490/6, 490/7, 490/8, in Chunakara Village, Mavelikara Taluk, Alappuzha, Kerala (SIA/KL/MIN/262942/2022; 2031/EC2/2022/SEIAA)

Sri. Prasanan, Pournami Bhavan, Chathiyara, Thamarakulam P.O, Alappuzha (Dist.) submitted an application for Environmental Clearance through PARIVESH on 08.06.2022 for the proposed Granite Building Stone Quarry Project for an area of 0.1335 Ha, in Re-Sy Nos. 490/6, 490/7, 490/8, Chunakara Village, Mavelikara Taluk, Alappuzha, 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 132nd 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 lowest bench must be 2 m above the lithomargic clay bed.*
4. *The excavation activity associated should not involve blasting.*
5. *The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
6. *The excavation activity should be restricted to 2m above the ground water table at the site.*
7. *The excavation activity should not alter the natural drainage pattern of the area.*
8. *The excavated pit should be restored by the project proponent for useful purpose.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in*

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

**Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Vipin Sivadas for an area of 0.1943 Ha in Block No. 26, Re-Sy No. 35/8, Edakattuvayal Village, Kanayannur Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/263360/2022; 2064/EC3/2022/SEIAA)**

Sri. Vipin Sivadas, submitted an application for Environmental Clearance via PARIVESH Portal on 24/03/2022, for the mining of Laterite Building Stone Quarry, for an area of 0.1943 Ha in Block No. 26, Re-Sy No. 35/8, Edakattuvayal Village, Kanayannur Taluk, Ernakulam, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report and Mining Plan. After the due appraisal, the SEAC in its 132nd 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 lowest bench must be 2 m above the lithomargic clay bed.*
- 4. The excavation activity associated should not involve blasting.*
- 5. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
- 6. The excavation activity should be restricted to 2m above the ground water table at the site.*
- 7. The excavation activity should not alter the natural drainage pattern of the area.*

8. *The excavated pit should be restored by the project proponent for useful purpose.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
14. *A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented 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.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
20. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
21. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by 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.18

**Environmental Clearance for Ordinary Clay Mining Project of Mr. Prashobh. K. S, in Re-Sy Nos. 94/24, 25, 95/9/1, Tarur-1 Village of Alathur Taluk, Palakkad, Kerala
(SIA/KL/MIN/266125/2022; 1971/EC1/2022/SEIAA)**

Mr. Prashobh K. S, S/o. Sasi, Kollamparambil House, Madathumpadi Post, Thrissur submitted application for EC via PARIVESH on 06.04.2022 for Ordinary Clay Mining over an extent of 0.2564 Ha, in Re-Sy Nos. 94/24, 25, 95/9/1, Tarur-1 Village of Alathur 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 132nd 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) years, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.

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

2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *The activity associated with borrowing/excavation should not involve blasting.*
4. *The borrowing/excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
5. *The borrowing/excavation activity should be restricted to 2m above the ground water table at the site*
6. *The borrowing/excavation activity should not alter the natural drainage pattern of the area.*
7. *The borrowed/excavated pit should be restored by the project proponent for useful purposes.*
8. *Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap.*
9. *Measures should be taken to prevent dust emission by covering of borrowed/excavated earth during transportation.*
10. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth.*
11. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
12. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
13. *A minimum distance of 15m from any civil structure should be kept from the periphery of the excavation area.*
14. *Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary and geotagged photographs of all the boundary pillars should be submitted prior to commencement of mining.*
15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered*

drainage.

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

Item No.19

Environmental Clearance for the proposed Laterite Building Stone Quarry Project of Sri. Narayanan E. V in Survey No- 690/2D, in Madikai Village, Hosdurg Taluk, Kasaragod, Kerala (SIA/KL/MIN/266625/2022; 2052/EC2/2022/SEIAA)

Sri. Narayanan E. V S/o. Ambunhi Panikker Idayil Veedu, Thekkan Bangalam, Bangalam Post, Kasaragod submitted an application for Environmental Clearance through PARIVESH on 13.07.2022 for the proposed Laterite Building Stone Quarry Project for an area of 0.0971 Ha, in Survey No- 690/2D, Madikai Village, Hosdurg Taluk, Kasaragod, 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 132nd 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 2m below general ground level at the site.*
- 5. The excavation activity should be restricted to 2m above the ground water table at the site.*
- 6. The excavation activity should not alter the natural drainage pattern of the area.*
- 7. The excavated pit should be restored by the project proponent for useful purpose.*
- 8. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
- 10. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
- 11. Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 12. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
- 13. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*

14. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
15. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
16. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
17. *Measures incorporated in the CER should be implemented 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*
18. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.30am) 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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
20. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by 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

Environmental Clearance for the proposed Laterite Building Stone Quarry Project of Sri. Eramu K M in Survey No. 31/1PT168, Kolathur Village, Kasaragod Taluk, Kasaragod, Kerala (SIA/KL/MIN/267208/2022, 2080/EC2/2022/SEIAA)

Sri. Eramu K.M S/o Moosa Varikkulam House Kolathur P.O Kasaragod 671541 submitted an application for Environmental Clearance through PARIVESH on 24.08.2022 for the proposed Laterite Building Stone Quarry Project for an area of 0.0971 Ha, in Survey No. 31/1PT168, Kolathur Village, Kasaragod Taluk, Kasaragod, 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 132nd 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 2m below general ground level at the site.*
- 5. The excavation activity should be restricted to 2m above the ground water table at the site.*
- 6. The excavation activity should not alter the natural drainage pattern of the area.*
- 7. The excavated pit should be restored by the project proponent for useful purpose.*

8. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
9. *Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
10. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
11. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
12. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
13. *A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
14. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
15. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
16. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
17. *Measures incorporated in the CER should be implemented 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*
18. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.30am) 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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
20. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by 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.21

Environmental Clearance for the proposed Granite Building Stone Quarry Project of M/s Megha Engineering & Infrastructures Ltd. in Re-Sy Nos. 74/772, 74/151, 74/154, 74/152, 74/1D Kuttur Village, Payyannur Taluk, Kannur, Kerala (SIA/KL/MIN/269091/2022; 1975/EC4/2022/SEIAA)

Sri. Prabakar, General Manager, M/s Megha Engineering & Infrastructure Ltd, S2-Technocraft Industrial Estate, Balanagar, Hyderabad, Telengana-500037 submitted an application for Environmental Clearance through PARIVESH on 22.04.2022 for the proposed Granite Building Stone Quarry Project, for an area of 2.1854 Ha, in Re-Sy Nos. 74/772, 74/151, 74/154, 74/152, 74/1D Kuttur Village, Payyannur Taluk, Kannur District, Kerala.

The Authority noticed that there are two other quarries within 500m radius, of which M/s. RDS Project Ltd is under violation process as per the order of the H'ble NGT. It is also noted that the survey no. 74/1D is common to all these projects. As per the judgment of the H'ble National Green Tribunal in Original Application No. 75 of 2021, it is directed that 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 carrying out ~~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.

Under the circumstance, the Authority is of the opinion that during the appraisal of adjacent projects, the present circumstances and directions of H'ble Courts shall be taken into consideration before final recommendation. Hence Authority decided to defer the proposal for seeking clarification from Legal Officer, SEIAA on the above issues.

Item No.22

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Krishnan for an area of 0.1259 Ha in Re-Sy Nos. 473/1-1, 473/1-2 Vazhakkad Village, Kondotty Taluk, Malappuram (SIA/KL/MIN/272428/2022; 2070/EC6/2022/SEIAA)

Sri. Krishnan, S/o. Ayyappunni, Kuttiparambath Malaparambu House, Olakara post, Malappuram submitted an application for Environmental Clearance through PARIVESH on 27.08.2022 for the Laterite Building Stone Quarry Project for an area of 0.1259 Ha in Re-Sy Nos. 473/1-1, 473/1-2, Vazhakkad Village, Kondotty Taluk, Malappuram.

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 due appraisal, the SEAC in its 132nd 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 2m below general ground level at the site.*
- 5. The excavation activity should be restricted to 2m above the ground water table at the site.*
- 6. The excavation activity should not alter the natural drainage pattern of the area.*
- 7. The excavated pit should be restored by the project proponent for useful purpose.*

8. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
9. *Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
10. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
11. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
12. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
13. *A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
14. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
15. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
16. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
17. *Measures incorporated in the CER should be implemented 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*
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. *An offset distance of 15m should be kept between the main road and the proposed site.*
20. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation*

with Local Self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

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

Environment Clearance for the Granite Building Stone quarry project of Sri. Abdul Azeez Kottakkaran in Sy No. 1/1A in Pulamanthole Village, Perinthalmanna Taluk, Malappuram (SIA/KL/MIN/276701/2022; 1309/EC2/2019/SEIAA)

Sri. Abdul Azeez Kottakkaran, Kottakkaran House, Pang Chendi Post, Malappuram submitted an application for Environmental Clearance on 17/06/2019 through PARIVESH portal for the Building Stone Quarry Project, for an area of 0.8004 Ha in Sy No. 1/1A in Pulamanthole Village, Perinthalmanna Taluk, Malappuram.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the 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 due appraisal, the SEAC in its 132nd 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. *The proponent should submit a sworn affidavit that he will comply with the traffic plan submitted by him.*
4. *The proponent should implement safeguard plan for protecting the lower contours of the project area by adopting vegetative measures.*
5. *The overburden dump should be protected with proper gabion wall.*
6. *The garland canal, silt traps, siltation pond and outflow channel should be provided considering the entire project area.*
7. *The garland canal 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.*
8. *Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
9. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
10. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
11. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation*

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

- 12. 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.*
- 13. 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.*
- 14. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

The Authority noticed that there is an illegal quarry working within 200m which is not mentioned in the Cluster Certificate also and hence decided to inform the Mining & Geology Department to take suitable actions.

Item No.24

**Environmental Clearance for the removal of Ordinary Earth of Ms. Sanija Willson, for an area of 0.5666 Ha in Block No. 24, Re-Sy Nos. 385/2-4, 385/3-4, Mulanthuruthy Village, Kanayannoor Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/279012/2022; 2086/EC3/2022/SEIAA)**

Ms. Sanija Willson, submitted an application for Environmental Clearance via PARIVESH Portal on 21/06/2022, for the removal of Ordinary earth, for an area of 0.5666 Ha in Block No. 24, Re-Sy Nos. 385/2-4, 385/3-4, at Mulanthuruthy Village of Kanayannoor Taluk, Ernakulam, Kerala.

The Authority perused the item and noted that the SEAC in its 132nd meeting examined the proposal in detail, and observed that there is contradiction in the information provided in the Mine Plan and Project Feasibility Report. The Project Proponent has not submitted demand letter from end user for the excavated earth and the survey map uploaded is not legible. Since there is contradiction in the documents submitted for appraisal, the Committee is unable to appraise the proposal 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.25 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Musthafa for an area of 0.3844 Ha in Re-Sy No. 1/1-2, Cheekode Village, Kondotty Taluk, Malappuram.
(SIA/KL/MIN/284493/2022; 2092/EC6/2022/SEIAA)**

Sri. Musthafa, S/o Abdurahiman, Devankulangara House, Pallikkal post, Malappuram submitted an application for Environmental Clearance through PARIVESH on 31.08.2022 for the Laterite Building Stone Quarry Project for an area of 0.3844 Ha in Re-Sy No. 1/1-2, Cheekode Village, Kondotty Taluk, Malappuram.

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 132nd 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) years, for the quantity mentioned in the approved Mining Plan, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The excavation activity associated should not involve blasting.*
- 4. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
- 5. The excavation activity should be restricted to 2m above the ground water table at the site.*
- 6. The excavation activity should not alter the natural drainage pattern of the area.*
- 7. The excavated pit should be restored by the project proponent for useful purpose.*
- 8. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
- 10. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
- 11. Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 12. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
- 13. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
- 14. No water logging should be allowed in the mine pit. Appropriate drainage should be*

ensured from the project area prior to the commencement of mining.

- 15. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
- 16. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 17. Measures incorporated in the CER should be implemented 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*
- 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 shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 20. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by 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.26

**Environment Clearance for the Granite Building Stone Quarry Project of Sri. T.C. Johnson, Managing Partner, M/s Star Rock Products Pvt Ltd for an Area of 0.9995 Ha in Re-Sy Nos. 50/4, 52/2/2, at Ayyampuzha Village, Aluva Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/40283/2019, File No: 1457/EC3/2019/SEIAA)**

Sri. T.C. Johnson, submitted an application for Environmental Clearance *via* PARIVESH Portal on 03/01/2020, for the Granite Building Stone Quarry project, for an area 0.9995 Ha in Re-Sy Nos. 50/4, 52/2/2, at Ayyampuzha Village, Aluva Taluk, Ernakulam, Kerala.

The Authority noted that the SEAC in its 132nd meeting recommended to issue EC for a period of 3 years subject to certain Specific Conditions in addition to the General Condition. On deliberation, the Authority noticed that the Project Proponent had seriously violated the EC conditions in his nearby quarry.

Under the circumstances, Authority decided to refer the case back to SEAC to study the gravity of violation and punitive measures taken if any by the Department of Mining and Geology and forward specific recommendation.

Item No.27

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Haridasan for an area of 7.7085 Ha in Sy No. 488, Vettathur Village, Perinthalmanna Taluk, Malappuram
(SIA/KL/MIN/50013/2019; 1318/EC2/2019/SEIAA)**

Sri. Haridasan, Proprietor, Tharol House, Ekarool P.O, Kozhikkode submitted an application for Environmental Clearance through PARIVESH on 27.10.2020 for the Granite Building Stone Quarry Project for an area of 7.7085 Ha in Sy No. 488, Vettathur Village, Perinthalmanna Taluk, Malappuram.

The Authority perused the item and noted that, SEAC in its 132nd meeting recommended rejection of the proposal due to certain reasons. The proponent vide email dated 30.09.2022 submitted a request letter for reconsideration of application for EC. The proponent also filed WP(C) No.32498 of 2022 before the Hon'ble High Court with a prayer to give an opportunity of

hearing and also to stay the Exbt P7 i.e., the Minutes of 132nd SEAC meeting.

The Authority decided to refer the case back to SEAC to give an opportunity to the Project Proponent for presenting his case before SEAC with all the supporting documents and decided to inform the same to Project Proponent for necessary follow up action.

Item No.28

**Environmental Clearance for the Expansion of Caritas Hospital, Thellakom, Kottayam in Sy Nos. 188/10, 200/1, 200/2, 200/3, 200/4, 201/8, 201/8-1, 201/9, 201/9-1, 201/10, 201/15, 201/15-1, 201/24, 201/26, 201/26-1, 201/26-2, 202/3, 202/4-2 at Peroor village, Kottayam Taluk, Kottayam District, Kerala
(SIA/KL/MIS/290926/2022; 1184/A2/2018/SEIAA)**

The Authority observed that in the 116th meeting, the Authority decided to issue EC for a period of 7 years for the Expansion of Caritas Hospital subject to the certain Specific Conditions in addition to the General Conditions. Now the proponent submitted an application for EC through PARIVESH portal as per the existing norms. Authority decided to adhere to its earlier decision taken in item no. 116.32 in the 116th meeting held on 29th & 30th July 2022.

Item No.29

**Environmental Clearance of the Residential Building Project “Jains Marine Bay” in Re. Survey No. 281/7-2, 280/5-2, 280/4, 281/8-2, 281/5-2, 281/73, 280/83, 281/13, 280/32, 280/2, 281/3, 281/4, 281/22, 281/114, 281/93, 281/152, 281/162, 280/7, 281/1, 281/18, 281/12, 281/19, 281/6-2, 280/6 Mulavukad Village, Kanayannur Taluk, Ernakulam District
(SIA/KL/MIS/142842/2020, 1741/EC3/2020/SEIAA)**

An application for EC for the Residential Building Project “Jains Marine Bay” was submitted through PARIVESH portal in Re. Survey Nos. 281/7-2, 280/5-2, 280/4, 281/8-2, 281/5-2, 281/73, 280/83, 281/13, 280/32, 280/2, 281/3, 281/4, 281/22, 281/114, 281/93, 281/152, 281/162, 280/7, 281/1, 281/18, 281/12, 281/19, 281/6-2, 280/6 at Mulavukad Village, Kanayannur Taluk, Ernakulam District.

The Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Conceptual Plan and the Field Inspection Report. After due appraisal, the SEAC in its 128th meeting recommended EC for a period of 7 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority in its 115th meeting directed the proponent to submit the CRZ Clearance and the proof of application submitted to NBWL for Wildlife Clearance. The Proponent submitted Letter No.756/A2/2022/KCZMA dated.26.03.2022 from KCZMA stating that the proposed land falls outside CRZ and he has also produced the proof of application submitted for Wildlife Clearance.

Authority decided to issue Environmental Clearance for a period of 7 years for the Residential Building Project “Jains Marine Bay” subject to the following Specific Conditions in addition to the General Conditions.

- 1. The Tertiary Treatment Unit proposed with pre-treatment facilities such as, PSF and PCF (in continuation to the primary and secondary type of treatment of sewage with a modified type of ASP) should be used for establishing 98 KLD STP. This is to ensure that the quality of treated water will be fit for re-use /recycle and for flushing/gardening/ firefighting / HVAC make up water/recharge of local ground water.*
- 2. Adequate built-in composting facility should be set up for the treatment of biodegradable waste as the capacity or the number of BIOBIN proposed is inadequate.*
- 3. Adequate and covered storage area should be provided for the storage of non-degradable waste generated for at least 30 days. Additional space should also be provided for the storage of Hazardous Waste and E- waste. The non-degradable solid waste (dry waste) so stored should be handed over to Recyclers/ Local body/ Vendors on a regular basis.*
- 4. Fruit Bearing Trees of indigenous species should be planted in the Green Belt area / open space, compensatory afforestation area/ children play area, including avenue plantations. Vegetation should also be provided over built structure such as roofs, basements, podiums etc to the maximum extent possible.*

5. *Pumping from the bore wells should be limited to the safe yield determined through pumping test conducted.*
6. *Provide safe and healthy basic facilities for construction workers as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996*
7. *Appropriate storm water drainage plan should be implemented covering the entire project area and considering the soil cover and levels of the project area and adjoining areas.*
8. *Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow.*
9. *Usage of energy saving 5 star rating equipment such as Solar Geyser and LED lamps should be promoted as part of energy conservation.*
10. *The CRZ restrictions, if applicable, should be complied with.*
11. *Two line plumbing system should be established for ensuring reuse of treated waste water for flushing and such other uses.*
12. *Climate responsive and Green Building Guidelines should be adopted and the roof area and covered parking should be covered with material having high solar reflective index.*
13. *The building design should ensure that it will cater to the differently-abled citizens.*
14. *The design of the building should be in compliance with Energy Conservation Building Code as applicable.*
15. *CER Plan should be implemented as proposed.*
16. *The Construction should be commenced only after the receipt of Wildlife Clearance from the NBWL*
17. ***Since the project is located within a distance of 10 km from Mangalavanam Bird Sanctuary, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for the construction activity. Hence the Project Proponent is directed to obtain Clearance from Standing***

Committee of the National Board for Wildlife before starting any activity at the site .If it is located within 5 KMs from interstate boundary the EC can be issued at central level.

18. *Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
19. ***Authority makes it clear that as per clause 8 (vi) of EIA notification 2006,deliberate concealment and/or submission of false or misleading information or data which is material to screening or scoping or appraisal or decision on the application shall make the application liable for rejection and cancellation of prior EC granted on that basis.***
20. *Copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Ernakulam and Department of Industries GOK, besides others for information and necessary further action.*
21. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
22. **The Project Proponent shall obtain all necessary clearances/licenses/permissions from all the statutory authorities issuing clearances/ licenses/ permission for the construction projects of this nature**

23. *Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).*
24. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

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

Item No. 1

**Judgment in the NGT O.A.No.76/2021 (SZ) dated 06-12-2021/
Judgment of Hon'ble High Court of Kerala in WP(C) No. 21767/2021
dated 11-03-2022**

&

**Judgment dated 4.10.2019 in WP(C) No.31684/2016 filed by Tomy
Thomas (File No.1255/EC4/2016/SEIAA) (Common Judgment in WP
(C) 31684/2016, WP (C).15505/2016 &WP (C) 25529/2019) –Request
for extension**

**Contempt of court case against Judgment dated 11-03-2022 in WP(C)
No. 21767/2021, Contempt Case No. CoC No. 839/2022 filed by Tomy
Thomas**

(Court case and complaint File No. 1255/EC4/2016/SEIAA)

**(SIA/KL/MIN/278020/2022; 806/SEIAA/EC4/2237/2015 - Extension of
Environmental Clearance)**

The Authority observed that in the 118th meeting, decided to extend 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 8.2 years as approved in the Scheme of Mining Plan, 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. This is subject to the production of satisfactory Certified Compliance Report from the Regional Office, Bangalore and subject to the certain Specific Conditions in addition to General Conditions. Hence, the Authority decided to adhere to its earlier decision taken in Item no. 118.30 in the 118th meeting of SEIAA held on 30th September & 01st October 2022.

PART - 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

**Item No.1. Environmental Clearance for the Proposed Granite Building Stone Quarry Project of Sri. Sreelath T. in Block No.7, Re-Sy. No. 93/27, Raroth Village, Thamarassery Taluk, Kozhikode, Kerala
(SIA/KL/MIN/271936/2022; 1995/EC4/2022/SEIAA)**

Sri. Sreelath. T, S/o Sreedharan Nair, Thottathil House, Thrikkuttissery, Vakayad P.O, Kozhikode submitted an application for Environmental Clearance through PARIVESH on 10.05.2022 for the proposed Granite Building Stone Quarry Project for an area of 1.7613 Ha in Re-Sy. Block No.7, Re-Sy. No. 93/27, Raroth Village, Thamarassery Taluk, Kozhikode, 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 133rd meeting recommended EC for a Project Life of 7 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years.

The Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan, and then to extend the EC period to cover the project life of 7 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the Environment in the project region by violating EC conditions.

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

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and 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. Since the quarry site is located within a distance of 10 km from Malabar Wildlife Sanctuary, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site***
- 5. Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project*

Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.

- 6. Proof of application submitted for Wildlife Clearance from NBWL should be uploaded in PARIVESH Portal prior to the issuance of EC.*
- 7. Development of green belt should be initiated prior to the commencement of mining operation.*
- 8. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 9. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 10. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
- 11. Gabion wall of should be provided at the overburden dumping site.*
- 12. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
- 13. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 14. The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling.*
- 15. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
- 16. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office.*
- 17. The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should*

be submitted along with the HYCR.

- 18. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
- 19. 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.*
- 20. A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Kozhikkode and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
- 21. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 22. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

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

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

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

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

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