

PARIVESH FILES

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 **Environmental Clearance for the proposed Residential project developed by M/s Veegaland Developers Pvt. Ltd. at Re-Sy. Nos. 51, 51/2-2, 51/3, 51/4, 68, Thekkumbhagam Village, Thripunithura Municipality, Kanayannur Taluk, Ernakulam, Kerala (SIA/KL/INFRA2/407611/2022; 2147/EC3/2022/SEIAA)**

Environmental Clearance for the proposed residential project developed by M/s Veegaland Developers Pvt. Ltd. at Re-Sy. Nos. 51, 51/2-2, 51/3, 51/4, 68, Thekkumbhagam Village, Thripunithura Municipality, Kanayannur Taluk, Ernakulam, Kerala.

The Authority noted that after due appraisal, the SEAC in its 144th meeting recommended for Environmental Clearance for a period of 7 years subject to certain Specific Conditions in addition to the General Conditions.

On verification, Authority sought certain clarification on the storm water management, parking provisions for the inmates, before taking final decision. Hence, the Authority decided to hear the Project Proponent during the next SEIAA meeting. The SEIAA Secretariat shall list out all such clarifications required and intimate the same to Project Proponent along with letter of intimation. The intimation regarding the hearing shall be given to the project proponent well in advance.

Item No.2 **Environment Clearance for Granite Building Stone Quarry of Mr. Najeem A over an extent of 0.9907 Ha in Survey No. 10/2 pt, 10/4 pt, 13/14 pt, 13/15 pt, 13/16 and 13/17 pt Veliam Village, Kottarakkara Taluk, Kollam (SIA/KL/MIN/131340/2019; 1574/EC2/2019/SEIAA)**

Mr. Najeem A, Punnavilavadakkathil Veedu, Vakkanadu P.O, Kareepra, Kollam vide application received on 14.12.2019, sought Environmental Clearance for the proposed Granite Building Stone Quarry at Survey No. 10/2 pt, 13/17, 13/14 pt, 10/4 pt (Pvt. Land) , 13/15 pt, 13/16 (NOC) in Veliyam Village, Kottarakkara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. Though the life of mine as per the Mining Plan is two years, the production plan is for the first year only. After the due appraisal, the SEAC in its 129th meeting, recommended EC for 1 year, subject to certain Specific Conditions in addition to the General Conditions. The proponent submitted NOC from the District Collector, vide Order No. DCKLM/5766/2020/L.12 dated.21.06.2023

The Authority decided to issue Environmental Clearance for the period of 1 (one) year, for the quantity reworked as per the production plan by the Mining and Geology Department, 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 mineable reserve shall be reworked by the District Geologist as per the production plan. Permit / lease shall be issued accordingly.*
- 4. Planting of trees for the development of green belt should be done prior to the commencement of mining and the green belt should be nurtured and maintained*

5. *Compensatory afforestation should be done prior to the commencement of mining with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
6. *Garland drain along with silt traps, 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 existing quarry pit.*
7. *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 compliance report.*
8. *A retaining wall of appropriate height should be provided at the overburden dumping site.*
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. *Haulage road should be maintained well with frequent sprinkling.*
11. *The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
12. *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.*
13. *If the abandoned quarry located near to the site belong to project proponent, he/she shall carry out final closure plan within 6 months as per the approved mine closure plan and submit the progress of the closure activities along with the first HYCR.*
14. *As the project site is located in an abandoned quarry the possible and relevant final mine closure activities as per the previous approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly compliance report.*
15. *Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least, 40% of the energy requirement of the project should be met from the solar power.*

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

Item No.3

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Muhammed Themeem P.C, for an area of 0.5553 Ha, at Re-Sy Nos. 18/14, 22/11, 18/13 in Vavad Village, Thamarassery Taluk, Kozhikode. (SIA/KL/MIN/134774/2020; 1646/EC4/2020/SEIAA)

Sri. Muhammed Themeem P.C, Poyilil House, Karuvanpoyil P.O, Koduvally, Kozhikode-673572 submitted an application through PARIVESH on 03.01.2020 for Environmental Clearance for the Granite Building Stone Quarry Project, for an area of 0.5553 Ha, at Re-Sy. Nos. 18/14, 22/11, 18/13 in Vavad Village, Thamarassery Taluk, Kozhikode, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 3 years. After the due appraisal, the SEAC in its 145th meeting, recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority observed that the proposal is to mine up to a depth of 45m above MSL and mine life is 5 years. The depth to water table is reported to be 54m above MSL and therefore, it is desirable limit the depth of mining to 55m above MSL. In the field inspection report, it is stated that the depth to water table is 5 to 8m bgl, 30m AMSL and the maximum elevation difference after mining is 71m MSL and 45m MSL. Final recommendation of SEAC seems to be contrary to it's earlier observations.

Authority decided to refer the proposal back to SEAC to get clarification regarding the mine depth and depth of water table and total quantity to be mined.

Item No.4

Environmental Clearance for the Proposed Granite (Building Stone) Quarry of Smt. Jayasree, Managing Partner of M/s Saroj Realtors and Builders at Block No: 25 Re-Sy Nos. 191/1-3, 192/1-4, 192/1-3, 192/2, 193/20, 193/20-1, 180/4, 180/3-1, 180/3-2 in Perumkadavila Village, Neyyattinkara Taluk, Thiruvananthapuram, Kerala (SIA/KL/MIN/162661/2020; 1748/EC1/2020/SEIAA)

Smt. M.R. Jayasree, Managing Partner, M/s Saroj Realtors and Builders, Sarojam, Parasuvakkal, Parassala, Thiruvananthapuram - 695508, submitted an application for Environmental Clearance via PARIVESH for the proposed Granite Building Stone Quarry at Block No. 25, Re-Sy Nos. 191/1-3, 192/1-4, 192/1-3, 192/2, 193/20, 193/20-1, 180/4, 180/3-1, 180/3-2 in Perumkadavila Village, Neyyattinkara Taluk, Thiruvananthapuram.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, EIA report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 10 years. After the due appraisal, the SEAC in its 145th meeting recommended EC for a project life of 10 years with certain Specific Conditions in addition to the General Conditions.

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

The Authority decided to issue Environmental Clearance initially for the period of 5 years, and then to extend the EC period to cover the project life of 10 years, from the date of execution of mine lease / permit, for the quantity mentioned in the approved 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.

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 field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. Boundary fencing is to be completed before starting mining*
- 5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
- 6. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).*
- 7. Drainage water should be monitored at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 8. Development of green belt should be initiated prior to the commencement of mining operation*
- 9. CER proposed should be implemented during the first two years and it should be operated and maintained during the rest of the project period till the closure plan is implemented.*
- 10. The impact of vibration due to blasting on the houses and built structures within 500m should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining to ensure that there is no impact and the result should be displayed in front of the project entry gate.*
- 11. The impact of vibration due to blasting on the houses and built structures within 500m should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay should be monitored and the result included in the Half Yearly Compliance Report.*

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

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

Item No.5

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Abdul Nazer P., for an area of 2.1748 Ha at Survey Nos. 137/10-13, 137/10-15, 137/10-14, 137/10-11 in Valambur Village, Perinthalmanna Taluk, Malappuram (SIA/KL/MIN/165260/2020; 1977/EC6/2022/SEIAA)

Sri. Abdul Nazer.P Poovathingal House, Pattikkad P.O, Malappuram submitted an application through PARIVESH on 05.04.2022 for nvironmental Clearance for the Granite Building Stone Quarry Project for an area of 2.1748 Ha at Survey Nos. 137/10-13, 137/10-15, 137/10-14, 137/10-11 in Valambur Village, Perinthalmanna Taluk, Malappuram.

The Authority observed that decision for rejecting the application has already been taken in 127th SEIAA meeting in physical file and rejection Order was also issued to the project proponent on 23.06.2023. Now the SEAC in its 145th meeting rejected the online application and the Authority agreed to the recommendation of SEAC and decided to reject the proposal. The decisions taken by SEIAA in 127th meeting held on 30th & 31st May 2023 shall be carried out by all concerned and SEIAA Secretariat shall keep track of the follow up action. The Authority also observed that there are serious lapses / suppression of facts on the part of the RQP while preparing and presenting the mining plan. Hence , the SEIAA Secretariat shall intimate the

Director, Mining & Geology to take necessary action to against the RQP by providing details of the case.

Item No.6 **Environmental Clearance for the proposed Granite Building Stone Quarry of M/s O. S. Granites in Re-Sy Nos. 244, Puthucode Village, Alathur Taluk, Palakkad, Kerala (SIA/KL/MIN/171945/2020; 1844/EC1/2020/SEIAA)**

Sri. Sajeev Kumar E, M/s O. S. Granites submitted an application for Environmental Clearance via PARIVESH for the Granite Building Stone Quarry at Re - Sy Nos. 244, Puthucode Village, Alathur Taluk, Palakkad.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 5 years. After the due appraisal, the SEAC in its 144th 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 proponent shall not carry out any mining operation before getting clearance from SCNBWL as per OM dated 17th May 2022 of MOEF&CC as directed in H'ble Supreme Court order dated 26.4. 2023.*
- 2** *The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*

- 3** *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 4** *The drain water quality should be monitored regularly by an NABL-accredited lab and clear water should be flowed into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 5** *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*
- 6** *Haulage Road should be developed prior to the commencement of mining.*
- 7** *Environment Management Cell (EMC) should include an expert in environmental management.*
- 8** *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement should be met from the solar power.*
- 9** *Make boundary fencing for demarcating proposed quarry site and submit the geo-tagged photos.*
- 10** *Consent letter from the neighboring land owner for taking water from his abandoned quarry pit.*
- 11** *Development of green belt should be initiated prior to the commencement of mining using indigenous species.*
- 12** *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. Channel way should be developed as per the plan submitted for over flow water from the siltation pond to the natural stream.*
- 13** *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).*
- 14** *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*

- 15** *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 16** *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
- 17** *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
- 18** *If the abandoned quarry located near to the site belong to project proponent, he/she shall carry out final closure plan within 6 months as per the approved mine closure plan and submit the progress of the closure activities along with the HYCR.*
- 19** *Adequate measures are to be taken to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
- 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 should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
- 22** *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

- 23** *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 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.7

Environmental Clearance for the extraction of Granite Building Stone of Mr. Siraj Hussain at Re-Sy. 281/2-3 in Mundakkayam Village, Kanjirappally Taluk, Kottayam - (Transferring of file from ToR to EC, Granite Building Stone Quarry of Siraj Hussain – (SIA/KL/MIN/176680/2020; 1877/EC3/2021/SEIAA)

The Authority perused the item and observed that the SEAC in its 139th and 145th meeting recommended rejection of the proposal considering the “Precautionary Principle”. The Authority also noted the representation dated 10.07.2023 of the Project Proponent requesting to give an opportunity of hearing. Hence, the Authority decided to refer back the case to SEAC to give a final recommendation after hearing the project proponent. The report from the District Geologist and Proceedings of DC should be made available to SEAC to facilitate their decision.

Item No.8

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Rajesh T, for an area of 01.0963 Ha, at Re-Sy No. 5 in Eruvessy Village, Thaliparamba Taluk, Kannur District
(SIA/KL/MIN/186100/2020, 1848/EC4/2020/SEIAA}**

Sri. Rajesh T., S/o Sukumaran, Thamarasseriyl House, Kudiyannamala P.O, Kannur-670582 submitted an application through PARIVESH on 02.12.2020 for Environmental

Clearance for the Granite Building Stone Quarry Project for an area of 1.0963Ha at Re-Sy. No. 5 in Eruvessy Village, Taliparamba Taluk, Kannur, Kerala.

The Authority noted the action taken by SEAC in its 123rd, 124th, 127th, 129th & 132nd meetings held on different dates. The SEAC in its 145th meeting discussed the field inspection report conducted on 25.10.2022 and made the following observations:

1. Area experiences very high rainfall and terrain is characterized by very steep slope
2. The site is located on upper portion of the slope of hill ridge with maximum elevation of 625 m above MSL. The site is on the western flank of the ridge. The slope is steep with escarpment on its south and southwest, just outside its boundary. The site is surrounded by high and moderate landslide hazard zones at around 100 to 300m distance.
3. The site is highly fragile and the land characteristics indicate that is desirable to be maintained as a conservation area.
4. The slope stabilization study report did not consider the environmental fragility of the site.
5. The general slope of the terrain is very steep, Soil thickness is very deep.
6. There is an escarpment in the lower portion of the proposed area.
7. The area is rich in biodiversity and the land fragility is very high.
8. The area is near high & moderate landslide hazard zone.

Therefore, the SEAC recommended rejection of the application based on Precautionary Principle.

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

Item No.9

**Environmental Clearance for the expansion project of Granite Building Stone Quarry Project of M/s Srilakshmi Stone Crusher, for an area of 4.8875 Ha, at Re-Survey Nos.1561/120, 1561/137, 1561/138 in Kanichar Village, Iritty Taluk, Kannur
(SIA/KL/MIN/203074/2021; 1899/EC4/2021/SEIAA)**

Sri. C. G. George, Managing Partner, M/s SriLakshmi Stone Crusher, 27th Mile Poolakutty P.O, Nedumpoyil, Kannur-670650 submitted an application through PARIVESH on 12.03.2021 for Environmental Clearance for the expansion of Granite Building Stone Quarry Project to an area of 4.8875 Ha, at Re-Sy. Nos. 1561/120, 1561/137, 1561/138 in Kanichar Village, Iritty Taluk, Kannur, Kerala.

The Authority noted the action taken by SEAC in its 130th, 135th & 141st meetings held on different dates. The Committee in its 145th meeting discussed the report of KSDMA dated 13.11.2022 and observed the following:

1. There occurred several landslides in Kanichar Panchayath on 1st, 27th, 28th, 31st and up to 5th September 2022.
2. Background information collected based on the studies of Geological Survey of India, Soil Survey and Conservation Dept. indicates that major rock types of the area are Charnockites and Hornblende Biotite Gneiss. The soil types are lateritic and forest loam.
3. Field study revealed that even though the hard rocks are strong and stable, due to weathering and fracturing it has become very fragile and with a number of fractures.
4. It is reported that up to 31st July 2022 the mine was operative and conducted a number of blasts. It was also reported that the blast holes were dug to more than the stipulated depth, even up to 8 to 12 feet. The effect of blasting was reported to be severe under such conditions.
5. The torrential rain during 2018-19 and 2019-20 oversaturated the soil cover and the highly fractured /jointed basement rock. It appeared that the area became vulnerable due to heavy mining activity during this period. The fractures and joints triggered the 2022 landslides.
6. It was reported that around 90 percent of the landslides, occurred during the 2022 rainy season, are within 2 km radius of the Sreelaxmi Crushers.
7. It is suggested that in such an area which has become very fragile, the mining activity has to be restricted. It is categorically stated that there is every possibility of the continuation of such disasters as the land lost its stability
8. It is also reported that the indiscriminate modification made by mining activity caused severe damage to the agricultural land and built structures. Natural flow of rivulets was

diverted due to the landslides. The steep slope in the Kanichar Panchayth and Kannavam Forest area lost its stability due to mining activity.

9. It is pointed out in the KSDMA report that M/s. Sri Lakshmi Quarry was involved and continued to involve in constructions which obstructed the natural flow of the stream which is considered as violation of the judgement of the Hon. High Court in WP(C) No. 36879/2016 of 2017 and Section 22(4) of the Building Construction Rules, ["No construction shall be made to obstruct the natural drains and streams in a plot. Failure to comply with this instruction will invite penalization under Section 51 of the Disaster Management Act, 2005 (Central Act, 53 of 2005)"]

Based on detailed discussions the SEAC recommended rejection of the proposal invoking Precautionary Principles.

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

Item No.10

**Environmental Clearance for the Mining of Granite Building Stone Quarry of Sri. Shijo T. Paul, at Survey No: 797/1A pt in Kalloorkad Village, Muvattupuzha Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/255880/2022; 2081/EC3/2022/SEIAA)**

The Authority perused the proposal and noted the letter of the project proponent dated 21.07.2023 requesting to reconsider the decision of SEAC. The Authority noted the action taken by SEAC in its 135th, 138th, 141st & 144th meeting held on different dates. The SEAC in its 144th meeting recommended rejection of the proposal. The Authority observed that the project proponent vide letter dated 21.07.2023 requested to give one more opportunity to present before SEAC before taking further decision.

The Authority decided to refer back the case to SEAC to give a final recommendation after giving a hearing the project proponent.

Item No.11 **Environment Clearance for the Granite Building Stone Quarry of Sri. R. Rahulan Pillai at Sy. No. 183/5(P), 182/2, Enadimangalam Village, Adoor Taluk, Pathanamthitta, Kerala**
(SIA/KL/MIN/273896/2022, 2042/EC1/2022/SEIAA)

Sri. R. Rahulan Pillai, S/o. Sri. Raghavan Pillai, No.694, Bhavani Mandiram, 2 Panayam, Yeroor-Post, Yeroor, Kollam submitted an application for EC via PARIVESH for the Granite Building Stone Quarry at Sy. No. 183/5(P), 182/2, in Enadimangalam Village, Adoor Taluk, Pathanamthitta, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan mine life is 5 years. After the due appraisal, the SEAC in its 145th meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

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

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the 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. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*
- 4. The ultimate mine depth should be limited to 130m above MSL and the mineable*

resources shall be reworked accordingly by the Mining and Geology Department.

- 5. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).*
- 6. Drainage water should be monitored at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 7. Development of green belt should be initiated prior to the commencement of mining operation*
- 8. CER proposed should be implemented during the first two years and it should be operated and maintained during the rest of the project period till the closure plan is implemented.*
- 9. The impact of vibration due to blasting on the houses and built structures within 500m should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining to ensure that there is no impact and the result should be displayed in front of the project entry gate.*
- 10. The impact of vibration due to blasting on the houses and built structures within 500m should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay should be monitored and the result included in the Half Yearly Compliance Report.*
- 11. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites*
- 12. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 13. Adequate sanitation, waste management and restroom facilities should be provided to the workers.*
- 14. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power*

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

monitored by SEAC at regular intervals.

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

Item No.12

**Environmental Clearance for the Granite Building Stone Quarry of Sri. K. Gangadharan, for an area of 0.8456 Ha, at Re-Sy No. 151/1 in Puthur Village, Thalassery Taluk, Kannur, Kerala
(SIA/KL/MIN/278399/2022; 2095/EC4/2022/SEIAA)**

Sri. K. Gangadharan, K.G. House, Muthiyanga P.O, Kannur-670691 submitted an application through PARIVESH on 16.06.2022 for Environmental Clearance for the Granite Building Stone Quarry Project for an area of 0.8456 Ha, at Re-Sy. No. 151/1 in Puthur Village, Thalassery Taluk, Kannur, Kerala.

The Authority noted that two opportunities for presentation were given to the project proponent and he has not attended the same. The SEAC in its 144th meeting observed that the land owners of the proposed project area Sri. Rajan Babu, Smt. Narayani and Smt. Madhavi vide their submission received on 20.03.2023 intimated that they have withdrawn their consent to the project proponent for mining in their land and requested not to consider the EC application.

The Authority decided to delist the proposal and inform the same to the Project Proponent.

Item No.13

**Environment clearance of the proposed Granite Building Stone Quarry of Mr. Vinod S. over an extent of 0.5946 Hectares at Block No. 25, Survey Nos. 314/1pt, 314/1-1pt, 314/1-2pt in Enadimangalam Village of Adoor Taluk, Pathanamthitta District, Kerala
(SIA/KL/MIN/278677/2022, 2100/EC1/2022/SEIAA)**

The Authority perused the item and observed certain discrepancies in the calculation of total geological reserve and the mineable reserves in the Mining Plan. The Authority decided to

hear the project proponent and the RQP in the next SEIAA meeting to clarify the discrepancies noted in the Mining Plan. The intimation regarding the hearing shall be given to the project proponent well in advance.

Item No.14

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

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

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, EIA report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan, mine life is 12 years. After the due appraisal, the SEAC in its 144th meeting recommended EC for a project life of 12 years with certain Specific Conditions in addition to the General Conditions.

Authority noted that as the project is located within 10 km of Thattekad Bird Sanctuary the Project Proponent has to comply the OM dated 17/05/2022 of MoEF & CC as per the directions in the Hon'ble Supreme Court Judgement dated 26.4.2023 in IA 13177 of 2022. Further, the Authority noted that the depth to water table is 31.8m above amsl and the ultimate mine depth is 35m amsl. But the bed level in the adjacent stream is reported as 55m amsl. Post monsoon water level as per form 2 is 5 m to 9 m bgl.

Considering these discrepancies, the Authority decided to refer the proposal to SEAC for further verification and clarification.

Item No.15

**Environmental Clearance for Ordinary Earth Mining Project of Ms. Sanija Willson for an area of 0.5666 Ha at Re-Survey Nos. 385/2-4, 385/3-4 in Mulanthuruthy Village, Kanayannoor Taluk, Ernakulam, Kerala
(SIA/KL/MIN/402677/2022; 2151/EC3/2022/SEIAA)**

Smt. Sanija Willson submitted an application for Environmental Clearance through PARIVESH on 29 Nov 2022, for the mining of Ordinary Earth Mining Project for an area of 0.5666 Ha at Re. Survey No.385/2-4, 385/3-4 in Mulanthuruthy Village, Kanayannoor 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, the additional details/documents obtained from the Project Proponent during appraisal and the field inspection report. As per the approved mining plan mine life is 3 year. After the due appraisal, the SEAC in its 144th meeting, recommended EC for the mine life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 3 (three) years, 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 soil should be removed to a depth of 6m by providing benches of height 1m from the top portion of the site. The extractable quantity shall be reworked by the Mining and Geology Department and issue permit accordingly.*
- 4. The excavation activity associated should not involve blasting.*

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 a 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 50m from any civil structure should be kept from the periphery of the project area.*
14. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
15. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
16. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
17. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
18. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
19. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for*

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

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

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

Item No.16 **Building Stone Quarry Project of Sri. K. J. Thomaskutty, for total mine permit area of 0.5141 Ha. at Survey Block No. 27, Re-Survey Nos. 231/19, 231/21, 231/8, 231/25, 231/30, 231/28-1, 231/28, 231/7, 231/27, 231/26, 231/29, 231/22, 231/6-8, 231/6-1, 231/6-3, 231/23, 177/9, 177/8, 231/9, 231/32, 231/33 in Vellavoor Village, Changanacherry Taluk, Kottayam, Kerala (SIA/KL/MIN/402921/2022, 2146/EC3/2022/SEIAA)**

Sri. K. J. Thomaskutty submitted application through PARIVESH on 19 Nov 2022 for the Building Stone Quarry Project for an area of 0.5141 Ha. at Survey Block No. 27, Re-Survey Nos. 231/19, 231/21, 231/8, 231/25, 231/30, 231/28-1, 231/28, 231/7, 231/27, 231/26, 231/29, 231/22, 231/6-8, 231/6-1, 231/6-3, 231/23, 177/9, 177/8, 231/9, 231/32, 231/33 in Vellavoor Village, Changanacherry Taluk, Kottayam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan mine life is 3 years. After the due appraisal, the SEAC in its 145th 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. 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. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
- 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 half-yearly compliance report (HYCR).*
- 5. Drainage water should be monitored at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 6. Development of green belt should be initiated prior to the commencement of mining operation*
- 7. CER proposed should be implemented during the first two years and it should be operated and maintained during the rest of the project period till the closure plan is implemented.*
- 8. The impact of vibration due to blasting on the houses and built structures within 500m should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining to ensure that there is no impact and the result should be displayed in front of the project entry gate.*
- 9. The impact of vibration due to blasting on the houses and built structures within 500m should be monitored in terms of Peak Particle Velocity and amplitude for maximum*

charge per delay should be monitored and the result included in the Half Yearly Compliance Report.

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

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

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

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

Item No.17 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Sebastian George, for an area of 0.0971 Ha, at Block No.39, Re-Survey No.38/108 in Peringome Village, Payyannur Taluk, Kannur. (SIA/KL/MIN/408252/2022; 2207/EC4/2023/SEIAA}

Sri. Sebastian George, Njattuthottiyil House, Nedumchal, Thattummal P.O, Kannur-670511 submitted an application through PARIVESH for Environmental Clearance for the Laterite Building Stone Quarry Project for an area of 0.0971 Ha, at Block No.39 Re.Sy.No.38/108 of Peringome Village, Payyannur Taluk, Kannur, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan mine life is 1 year. After the due appraisal, the SEAC in its 144th meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *Mining should be limited to 1m above Lithomarge*
4. *The excavation activity associated should not involve blasting.*
5. *The excavation activity should be restricted to 2m above the groundwater table at the site.*
6. *The excavation activity should not alter the natural drainage pattern of the area*
7. *The excavated pit should be restored by the project proponent for a useful purpose.*
8. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
9. *Measures should be taken to prevent dust emission by covering excavated earth during transportation.*
10. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
11. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
12. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
13. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
14. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
15. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*

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

Item No.18

**Environmental Clearance for Granite Building Stone Quarry of Najeem A for an extent of 1.1769 Ha at Block No.4, Re-Sy Nos: 228/3 (Government land), 228/2 & 228/4 (Patta land) in Pattazhy Village, Pathanapuram Taluk, Kollam, Kerala.
(SIA/KL/MIN/410119/2022; 2190/EC2/2023/ SEIAA)**

Sri. Najeem A, Punnavila Vadakkathil, Vakkanad P.O, Kareepra, Kollam – 691 509 sought Environmental Clearance for the proposed Granite Building Stone Quarry at Block No.4,

Re-Sy Nos: 228/3 (Government land), 228/2 & 228/4 (Patta land) in Pattazhy Village, Pathanapuram Taluk, Kollam, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 5 years. The SEAC in its 144th 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 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. Boulders should be removed as per the proposed plan*
- 4. The seasonal nalla should be widened and protected so as to accommodate additional storm water generated during rains in the mining area due to vegetation loss.*
- 5. Quarry pit water should be utilized as per the plan given for some useful public purpose as part of the Mine Closure Plan*
- 6. A road should be developed as per the affidavit given*
- 7. Geotagged Photographs of compensatory afforestation, drainage, siltation ponds shall be given along with HYCR*
- 8. Development of green belt should be initiated prior to the commencement of mining using indigenous species.*
- 9. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle*

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

- 10. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 11. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
- 12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).*
- 13. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 14. Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites.*
- 15. The seasonal stream flowing near the proposed OB dump should be protected.*
- 16. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
- 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). 10. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
- 18. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
- 19. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
- 20. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
- 21. Adequate measures should be taken to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*

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

Item No.19

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Rajesh N.V, for an area of 0.1943 Ha, at Block No.39, Re-Sy No.112/102 in Peringome Village, Payyannur Taluk, Kannur (SIA/KL/MIN/410780/2022; 2201/EC4/2023/SEIAA}

Sri. Rajesh N.V, S/o Vijayan, Nhandanmare Veetil, Payyannur P.O, Kannur-670307 submitted an application through PARIVESH for Environmental Clearance for the Laterite Building Stone Quarry Project for an area of 0.1943 Ha, at Block No.39 Re.Sy.No.112/102 in Peringome Village, Payyannur Taluk, Kannur, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan mine life is 1 year. The SEAC in its 144th meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Mining should be limited to 1 m above the lithomarge.*
- 4. The excavation activity associated should not involve blasting.*
- 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 a useful purpose.*
- 8. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9. Measures should be taken to prevent dust emission by covering excavated earth during transportation.*
- 10. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*

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

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

Item No.20

**Environmental Clearance for Building Stone Quarry Project, M/s Darshan Granites, for an area of 7.8705 ha at Re-Sy Block No. 18, Re-Sy Nos. 13/2, 13/3, 18/2, 18/3, 40/1-1, 40/1-2, 40/4, 40/4-2, 40/6, 41/1-1, 41/1-2, 41/2, 41/3, 41/4, 41/5 (Patta land - 6.1918 ha.), 18/1, 41/6 (Govt. land - 1.6787 ha), in Chakkuvarakkal Village, Kottarakkara Taluk, Kollam, Kerala.
(SIA/KL/MIN/410787/2022; 2196/EC2/2023/SEIAA)**

The Authority perused the item along with the decision of 114th SEAC. The Authority observed that the project proponent submitted the ToR application on 04.07.2019 and the same was approved as deemed as on 03.08.2019 and conducted the EIA study. The application for EC along with the EIA report was submitted on 15.12.2022 and was resubmitted on 11.01.2023 including all essential documents sought, which is after the expiry of the validity period of ToR. Since the project proponent has not renewed the ToR, the validity of ToR was up to 02.08.2022. The SEAC observed that the date of monitoring of Environmental quality data is 16.09.2019. As per Clause 6 (iii), (iv) and (v) of OM dated 08.06.2022;

(iii) The baseline data and Public Hearing shall not be more than three years old at the time of submission of application for consideration of EC.

(iv) At the time of application for EC, in case baseline data is older than three years, but less than five years old in the case of River valley and HEP Projects, or less than four years old in the case of other projects, the same shall be considered, subject to the condition that it is revalidated with one season fresh non-monsoon data collected after three years of the initial baseline data.

(v) In case the proposal for EC along with EIA/EMP reports based on the ToRs prescribed is not submitted within the validity period of ToRs, and/or not complying with the above-mentioned criteria, the concerned Member Secretary shall not accept the proposal and process shall be initiated de novo by the PP.

In the above circumstances, the Authority is not in a position to consider the application submitted by the project proponent as per the existing norms and hence decided to reject the application for Environmental Clearance. Project Proponent may be informed about reasons for rejection.

Item No.21 Environmental Clearance for Laterite Building Stone Quarry of Sri.Mahesh.P, for an area of 0.1943 Ha, at Re-Survey No.13/102 in Eramam Village, Payyannur Taluk, Kannur, Kerala (SIA/KL/MIN/410959/2022, 2193/EC4/2023/SEIAA)

Sri. Mahesh.P, S/o Krishanan.P, Palliparath House, Oyolam, Eramam P.O, Kannur -670307 submitted an application through PARIVESH on 16.12.2022 for Environmental Clearance for the Laterite Building Stone Quarry Project for an area of 0.1943 Ha, in Re-Sy. Nos. 13/102 in Eramam Village, Payyannur Taluk, Kannur, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan mine life is 1 year. After the due appraisal, the SEAC in its 144th meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

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

3. *Mining should be limited to 1 m above lithomarge.*
4. *The excavation activity associated should not involve blasting.*
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 a 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 50m from any civil structure should be kept from the periphery of the project area.*
14. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
15. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
16. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
17. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
18. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
19. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The*

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

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

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

Item No.22

Environmental Clearance for the Granite Building Stone Quarry of Shibin William Varghese, Managing Director M/s. Nalayyath Granites Pvt .Ltd over an extent of 0.9884 Ha at Re-Survey Nos.120/1-13,120/1-14,120/1-15,120/1-15-1 Block No. 24, of Erumeli South Village, Kanjirappally Taluk, Kottayam, Kerala (SIA/KL/MIN/411076/2022, 2251/EC3/2023/SEIAA)

The Authority perused the item along with the decision of 144th SEAC and found that the project proponent has submitted three applications for EC in adjacent area. In addition to this, another quarry belongs to M/s Thomson Sands and Metal with an area of 4.23Ha exists within 500m. The SEAC also observed that the operation of three different quarries in adjacent areas by the same the project proponent may leads to loss of resources & enhanced environmental impacts. Therefore, the SEAC observed that it is desirable to revise the mining plan clubbing all the 3 proposals. The Committee directed the project proponent to submit a ToR application considering the cluster condition.

The Authority deliberated the matter and noticed that the project proponent has requested to consider the proposals separately. Since there is a cluster situation, the project proponent has to submit ToR application for the EIA study. A comprehensive EIA, EMP & single Public

Hearing is enough for all the three proposals that comes under the cluster. The Project Proponent can submit separate applications by enclosing the above documents. The project proponent may be informed of the same.

Item No.23

Environmental Clearance for the Building Stone Quarry of area 0.9546 Ha in Block No: 24, Re-Sy Nos. 120/1-12, 120/1-14 in Erumeli South Village, Kanjirappally Taluk, Kottayam, Kerala (SIA/KL/MIN/411524/2022, 2271/EC3/2023/SEIAA)

The Authority perused the item along with the decision of 145th SEAC and found that the project proponent has submitted three applications for EC in adjacent area. In addition to this, another quarry belongs to M/s Thomson Sands and Metal with an area of 4.23Ha exists within 500m. The SEAC also observed that the operation of three different quarries in adjacent areas by the same the project proponent may leads to loss of resources & enhanced environmental impacts. Therefore, the SEAC observed that it is desirable to revise the mining plan clubbing all the 3 proposals. The Committee directed the project proponent to submit a ToR application considering the cluster condition.

The Authority deliberated the matter and noticed that the project proponent has requested to consider the proposals separately. Since there is a cluster situation, the project proponent has to submit ToR application for the EIA study. A comprehensive EIA, EMP & single Public Hearing is enough for all the three proposals that comes under the cluster. The Project Proponent can submit separate applications by enclosing the above documents. The project proponent may be informed the same.

Item No.24

Granite Building Stone Quarry of Shibin William Varghese, M/s.Nalayyath Granite Pvt. Ltd, over an extent of 0.9308 Ha at Re.Survey No.120/1-12,120/1-13,120/1-14. Block No: 24 of Erumeli South Village, Kanjirappally Taluk, Kottayam District, Kerala SIA/KL/MIN/411676/2022 , 2256/EC3/2023/SEIAA

The Authority perused the item along with the decision of 144th SEAC and found that the project proponent has submitted three applications for EC in adjacent area. In addition to this, another quarry belongs to M/s Thomson Sands and Metal with an area of 4.23Ha exists within 500m. The SEAC also observed that the operation of three different quarries in adjacent areas by the same the project proponent may leads to loss of resources & enhanced environmental impacts. Therefore, the SEAC observed that it is desirable to revise the mining plan clubbing all the 3 proposals. The Committee directed the project proponent to submit a ToR application considering the cluster condition.

The Authority deliberated the matter and noticed that the project proponent has requested to consider the proposals separately. Since there is a cluster situation, the project proponent has to submit ToR application for the EIA study. A comprehensive EIA, EMP & single Public Hearing is enough for all the three proposals that comes under the cluster. The Project Proponent can submit separate applications by enclosing the above documents. The project proponent may be informed the same.

Item No.25 **Environmental Clearance for Laterite Building Stone Quarry of Sri. Raveendran V, for an area of 0.0971 Ha, at Block No.92, Re-Survey No.1/473,1/474 in Kalliyad Village, Iritty Taluk, Kannur, Kerala (SIA/KL/MIN/412623/2022; 2199/EC4/2023/SEIAA)**

Sri. Raveendran V, Navya Nivas, Kosavanvayal P.O, Kannur -670593 submitted an application through PARIVESH for Environmental Clearance for the Laterite Building Stone Quarry Project for an area of 0.0971 Ha, at Block No.92, Re-Sy. Nos. 1/473, 1/474 in Kalliyad Village, Iritty Taluk, Kannur, Kerala.

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

mining plan mine life is 1 year. The SEAC in its 144th meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Mining should be limited to 1 m above lithomarge*
- 4. The excavation activity associated should not involve blasting.*
- 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 a 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 50m from any civil structure should be kept from the periphery of the project area.*
- 14. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*

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

Item No.26

Environmental Clearance for Granite Building Stone Quarry project, M/s. Travancore Granites for an area of 4.9101 Ha at Re-Sy Nos. 442/2pt, 442/3pt, 442/4pt & 452/2-2pt in Valakom Village, Kottarakkara Taluk, Kollam, Kerala.

(SIA/KL/MIN/413691/2023; 2239/EC2/2023/SEIAA)

Sri. A. Subair, Managing Partner, Managing Partner, Building No – II/326, Ummannoor, Kampamcodu, Vayakkal (PO), Kottarakkara, Kollam, Kerala 691 503 sought Environmental Clearance for the proposed Granite Building Stone Quarry at Re-Sy Nos. 442/2pt, 442/3pt, 442/4pt & 452/2-2pt in Valakom Village, Kottarakkara Taluk, Kollam District, Kerala.

The Authority noted that the SEAC in its 144th meeting examined the documents submitted by the project proponent and found that as per the Cluster Certificate dated 30.12.2022, two quarries having an area of 3.3114 ha and 0.9847 Ha (stated as abandoned quarry) are there within 500m radius of the proposed area. These quarries are not closed as per mine closure plan. So these quarries even though not working will be treated as live . Therefore, there is a cluster condition and the committee recommended to direct the project proponent to submit application for ToR for conducting EIA/EMP.

The Authority agreed to the recommendation of SEAC and directed the project proponent to submit application for ToR for conducting EIA/EMP. The project proponent may be informed of the same.

Item No.27 Environmental Clearance to Sri. Abdul Rahman M. A for Laterite (Building Stone) Quarry of over an area of 0.0971 Ha. at Re-Survey No.129/2 in Muliya Village, Kasaragod Taluk, Kasaragod (SIA/KL/MIN/415860/2023, 2206/EC2/2023/SEIAA)

Sri. Abdul Rahman M. A, Muthalappara House P. O. Muliya, Kasaragod District, Kerala, vide application received on 27.01.2023 sought Environmental Clearance for the proposed Laterite Building Stone Quarry in Re-Survey No.129/2 at Muliya Village, Kasaragod Taluk, Kasaragod District Kerala

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan mine life is 1 year.

After the due appraisal, the SEAC in its 144th meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Mining should be limited to 1 m above lithomarge.*
- 4. The excavation activity associated should not involve blasting.*
- 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 a 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 50m from any civil structure should be kept from the periphery of the project area.*
- 14. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*

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

Item No.28

**Laterite building stone quarry of Mr. Sahajan. P over an extent of 0.2688 Ha at Re-Survey Nos. 143/2-1, 143/15 in Vellinezhi Village, Ottapalam Taluk, Palakkad, Kerala
(SIA/KL/MIN/418896/2023; 2220/EC1/2023/SEIAA)**

Sri. Sahajan. P submitted application for Environmental Clearance via PARIVESH for the Laterite building stone quarry for an area of 0.2688 Ha at Re-Survey No.143/2-1, 143/15 in Vellinezhi Village, Ottapalam Taluk, Palakkad, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan mine life is 2 years. After the due appraisal, the SEAC in its 144th meeting, recommended EC for the mine life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

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

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Mining should be limited to 1 m above lithomarge.*
- 4. The excavation activity associated should not involve blasting.*
- 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 a useful purpose.*
- 8. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9. Measures should be taken to prevent dust emission by covering excavated earth during transportation.*
- 10. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*

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

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

Item No.29 **Granite Building Stone Quarry of Sri. Abdul Kareem in Block no. 29, Re-Sy Nos. 364/2, 364/3, 364/4, 364/6, 364/8 in Manickal Village, Nedumangad Taluk, Thiruvananthapuram (SIA/KL/MIN/423139/2023; 2250/EC1/2023/SEIAA)**

The Authority perused the item and noted the request of the project proponent dated.01.07.2023. The Authority noticed that the SEAC in its 144th meeting verified the Cluster Certificate dated 23.02.2023 and there are two quarries M/ VKL Infrastructures Pvt Ltd having an area of 4.3311 ha and 4.0394 ha adjacent to the proposed area. The lease period of the same expired on 25.06.2021 and 2.04.2022. But the date of issuance of lease is not mentioned in the Cluster Certificate. The Committee recommended to direct the proponent to submit ToR application for the EIA study.

The Authority observed that the quarries are not working as per NGT Order and the same are not closed as per the approved mine closure plan and there are social and environmental issues in the project region. Under the circumstances, the Authority decided to direct the project proponent to submit ToR application.

CONSIDERATION OF TOR PROPOSALS

Item No.1 **Application for Terms of Reference for the Granite Building Stone quarry project of Sri. Abdul Nazar N. for an area of 0.8329 Ha at Block No.08, Re-survey 180/1-4&180/1-12, in Pullikkal Village, Kondotty Taluk, Malappuram (SIA/KL/MIN/415566/2023, 2246/EC6/2023/SEIAA)**

Sri. Abdul Nazar. N S/o. Ali, Nhetakkal House Perumanna P.O Kozhikode submitted application for Terms of Reference through PARIVESH on 02.06.2023 for the Granite Building Stone Quarry project for an area of 0.8329 hectares at Block No.08, Re-survey 180/1-4&180/1-12, in Pullikkal Village, Kondotty Taluk, Malappuram.

The Authority noted that SEAC in its 144th meeting examined the proposal and as per the cluster certificate dated 31.12.22 there are 5 working quarries with total area more than 21Ha. Hence SEAC recommended Standard ToR for the item 1(a) of Schedule of EIA Notification with certain additional studies.

The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study as recommended by SEAC

- 1. EIA study considering all the adjacent quarries comprehensively.*
- 2. Hydrological characteristics of the area, impact on the downstream portion of the watershed.*
- 3. Vibration studies to evaluate the zone of influence and impact of blasting on the neighborhood as suggested in para (e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10-2014 of MOEF&CC*

Item No.2

**Application for ToR (Terms of Reference) for the Proposed Granite Building Stone Quarry of Sri. Fayis C. K, Managing Partner, M/s. Planet Sand & Aggregates at Survey No. 208/1, in Alanallur – III Village, Mannarkkad Taluk, Palakkad, Kerala.
(SIA/KL/MIN/425815/2023; 2255/EC1/2023/SEIAA)**

Sri. Fayis C.K, Managing Partner, M/s. Planet Sand & Aggregates submitted application for Terms of Reference via PARIVESH for the proposed Granite Building Stone Quarry in Survey No. 208/1, Alanallur – III Village, Mannarkkad Taluk, Palakkad, Kerala. (Total Cluster Area: 5.7325 Ha).

The Authority noted that SEAC in its 144th meeting examined the proposal and recommended Standard ToR with certain additional studies.

The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study as recommended by SEAC

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

10-2014 of MOEF&CC

- 2. A cumulative impact assessment report and EMP considering the adjacent quarries.*
- 3. Hydrological study of the area and its impacts*
- 4. Impact on wildlife, especially considering the presence of wildlife corridors, passages, animal conflicts, etc, if any.*
- 5. Breach potential of the area.*

The project proponent shall submit the proof of application submitted to the SCNBWL for Wildlife Clearance.

Item No.3

**Terms of Reference to M/s Shah Quarry for Building Stone Quarry Project, for lease area 4.8894 ha at Re Survey Nos: 320/1, 320/1-2, 320/1-3, 320/1-4, 320/1-5, 320/1-2-2, 320/2-3, 320/2-4, 320/2-5, 320/2-6, 320/2-8, 320/2-10, 322/2-2, 322/2-3, 322/5, 326/2-2, 325/3, 324/5- 1, 324/7, 324/5-1-2, 318/1-6, 320/3, 321/15, 321/28, 321/16, 322/7, 322/4, 318/1-2 in Chadayamangalam Village, Kottarakkara Taluk, Kollam, Kerala.
(SIA/KL/MIN/428258/2023, 2264/EC2/2023/SEIAA)**

Sri. K J Thomaskutty, (Managing Partner) M/s Shah Quarry, Kannamthanam Veedu, Vadasserikkara P. O, Vadasserikkara, Pathanamthitta, 689662 vide application received on 06.05.2023 sought Terms of Reference for the proposed Granite Building Stone Quarry at Re Survey Nos: 320/1, 320/1-2, 320/1-3, 320/1-4, 320/1-5, 320/1-2-2, 320/2-3, 320/2-4, 320/2-5, 320/2-6, 320/2-8, 320/2-10, 322/2-2, 322/2-3, 322/5, 326/2-2, 325/3, 324/5- 1, 324/7, 324/5-1-2, 318/1-6, 320/3, 321/15, 321/28, 321/16, 322/7, 322/4, 318/1-2 in Chadayamangalam Village, Kottarakkara Taluk, Kollam, Kerala.

The Authority noted that SEAC in its 144th meeting examined the proposal and decided to recommend Standard ToR with certain additional studies.

Authority decided to refer to SEAC for reviewing recommendation since some of the additional aspects suggested for EIA study may not be actually required for a building stone quarry. SEAC may reconsider its recommendation and resubmit to SEIAA for approval.

Item No.4

**Terms of Reference for Building Stone Quarry of M/s Syju Lekshman lease area 4.998 Ha at 322/2-2-1, 322/1, 322/6, 323/3, 324/6, 324/9-2, 324/6-3, 324/5-2, 324/3-2, 324/3-3, 324/4 (Private Land), 325/1, 322/3, 323/2, 323/6, 323/7, 324/3 (Govt. Land) in Chadayamangalam Village, Kottarakkara Taluk, Kollam, Kerala.
(SIA/KL/MIN/427939/2023, 2273/EC2/2023/SEIAA)**

Sri. Syju Lekshman, Akkavila Veedu, Saravana Nagar, Eravipuram P.O, Kollam – 691 011 vide application received on 17.05.23 sought Terms of reference for the proposed Granite Building Stone Quarry at Re-Survey No: 322/2-2-1, 322/1, 322/6, 323/3, 324/6, 324/9-2, 324/6-3, 324/5-2, 324/3-2, 324/3-3, 324/4 (Private Land), 325/1, 322/3, 323/2, 323/6, 323/7, 324/3 (Govt. Land) in Chadayamangalam Village, Kottarakkara Taluk, Kollam.

The Authority noted that SEAC in its 144th meeting examined the proposal and decided to recommend Standard ToR with certain additional studies.

Authority decided to refer to SEAC for reviewing recommendation since some of the additional aspects suggested for EIA study may not be actually required for a building stone quarry. SEAC may reconsider its recommendation and resubmit to SEIAA for approval.

Item No.5

**Terms of Reference for the Granite Building Stone Quarry Project of M/s Peringome Stone Crusher, for an area of 2.9188 Ha, in Survey Nos.336/4, 336/5, 336/101, 336/102, 336/103, 304/3, 304/11, 308/101, 309/101 in Block No.41 of Peringome Village, Payyannur Taluk, Kannur District
(SIA/KL/MIN/429866/2023, 2272/EC4/2023/SEIAA}**

Sri. Sanker T Ganesh, Partner, M/s Peringome Stone Crusher, Room No.VIII/89, Madakampoyil, Peringome P.O, Kannur-670307 submitted an application through PARIVESH on 20.05.2023 for Terms of Reference in SEIAA for the Granite Building Stone Quarry Project for an area of 2.9188 Ha, in Re-Sy. Nos. 336/4,336/5, 336/101, 336/102, 336/103, 304/3, 304/11, 308/101, 309/101 at Block No.41 in Peringome Village, Payyannur Taluk, Kannur, Kerala.

The Authority noted that SEAC in its 144th meeting examined the proposal and decided to recommend Standard ToR with certain additional studies.

The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study as recommended by SEAC.

1. *Vibration studies to evaluate the zone of influence and impact of blasting on the neighbourhood as suggested in para (e) of OM No Z -11013/57/2014-IA. II (M) dated 29-10-2014 of MOEF&CC*
2. *A cumulative impact assessment report and EMP considering the adjacent quarries.*
3. *Breach potential study.*

General decisions

1) Improving the Quality of inputs from RQPs

Authority observed that only a handful of RQPs are active and prepare mine plan. But many lapses are noticed on the part of RQPs. In one instance mining plan was prepared for mined area terming it as fresh area. Further calculation of mineable reserve, production plan are not realistic in many cases. No consultation with a qualified Mining Engineer is seen done in deciding blasting techniques and other site specific mining procedures. Authority is of the opinion that a lot improvement is required in this area and decided to bring the following to the notice of the Director, Mining & Geology department for necessary action.

- Number of RQPs may be increased so that services of at least two or three RQPs are available in each district.
- District Geologist may provide a panel of RQPs to prospective Project Proponents so that middle men working in mining sector can be eliminated.
- RQPs must consult a qualified Mining Engineer while preparing mining plan and his/her credentials must be disclosed in the mining plan
- Performance RQPs may be monitored regularly and they may be asked to file details of work done as RQP in each quarter.

2) Autonomy to SEIAA- Follow up action on Accountant Generals Audit report

The Accountant General, Kerala in the "Inspection Report on the audit of the State Environment Impact Assessment Authority for the period from June 2015 to March 2022" pointed out that even though SEIAA was constituted as an statutory autonomous body no rules were framed till date and continue to function as a government department. This was discussed in 127th SEIAA meeting and decided to authorize the Member Secretary and Administrator to consult IMG or CMD to frame draft rules.

The JS administration to follow up the decision of Authority

3) Financial support for effective functioning of SEIAA and SEAC:

In exercise of the powers conferred by sub-section (3) of section 3 of the Environment (Protection) Act, 1986 (29 of 1986) and in pursuance of the notification of the Government of India, published in the Gazette of India, Extraordinary, Part II, Section 3, Sub section (ii) in the erstwhile Ministry of Environment and Forests, vide number S.O.1533(E), dated the 14th September, 2006, Ministry of Environment, Forest and Climate Change constituted the State Level Environment Impact Assessment Authority (SEIAA) and SEAC Kerala vide Notification No. SO 984 (E) dated 3.3.2022.

On an average SEIAA issues 40-50 Environmental Clearances for different infrastructure and Developmental projects in the state after following all procedures laid down by MOEF&CC including field inspections. There are 12 experienced subject matter experts in SEAC drawn from different fields, one subject matter expert in SEIAA and one experienced and qualified Chairman each in SEIAA and SEAC. Many a times they have to work on holidays and after office hours to clear the projects in time.

The Authority is supposed to function like an autonomous organization with full financial freedom. Authority is finding it difficult to perform even its obligatory duties like field inspections for want of sufficient funds. Besides, the sitting fee, honorarium and travel allowances are also not paid regularly to the Chairman, members of SEIAA and SEAC again for want of sufficient funds.

At present the application fee collected for appraising the developmental Projects for issuing prior environmental clearances by SEIAA, is remitted in the treasury and Authority has no

access to this fee collected which is affecting the performance of the Authority as said above. Hence, for the effective functioning of SEIAA and SEAC the authority decided to take up the matter with Government of Kerala for opening a saving bank account in the name of Administrator, SEIAA and application fee collected may be credited to this account. The expenses for functioning of SEIAA and SEAC shall be met from this account. A detailed guideline will be developed for deposit and use of fund from this account.

The JS Administration and Finance officer in SEIAA Secretariat to follow up the decision of Authority giving the details of fee collected and approximate amount required for the above listed items.

4) Rehabilitation of abandoned quarries

Authority noted that there are about 1700 quarries in the state out of which about 700 are functional and about 1000 are non-working and abandoned due to one or the other reasons after mining without carrying out final closure operations. These abandoned quarries are standing dangerous to human and wildlife. If these quarries can be suitably rehabilitated with scientific Eco-friendly models, the abandoned area of minimum 1000 Hectares can be put to productive best use in the land hungry state like Kerala, simultaneously addressing the problems associated with unattended abandoned quarries.

Authority decided to identify the suitable agencies to develop models one each in Southern, Central and Northern Kerala with detailed cost estimates. Mining & Geology Department can suggest abandoned quarries in government land for this purpose. It is suggested to use CER funds and unutilized District Mineral Fund for this purpose. It was decided to place the proposal before SEAC for seeking the expert opinion.

The JS administration to follow up the decision of Authority.

5) Appointment of Environmental Officer and Assistant Environmental Officer

Sanction has been received for creating one post of Environmental Officer and two posts of Assistant Environmental Officers. One Environmental Officer from Directorate of Environment

& Climate Change is working in SEIAA on working arrangement and other two posts are not filled. Services of Assistant Environmental Officers are urgently required for effective functioning of SEIAA and SEAC Authority decided to seek permission from GOK authorizing the Administrator to appoint the Assistant Environmental Officers on contract/deputation basis till regular appointments are made. Qualification fixed for Environmental Officer in Department of Environment & Climate Change may be adopted for this with suitable modification.

The JS administration to follow up the decision of Authority.

6) Follow up action on earlier SEIAA decisions on payment of honorarium, sitting fee, supply of lap tops etc

Authority decided to request the Administrator to follow up the files relating to payment of honorarium, sitting fee, supply of lap tops etc as decided in previous SEIAA meetings.

7) Processing of pending EC applications

The Authority decided to held a joined sitting of SEIAA & SEAC to review the cases which are pending more than 180 days in the last week of September along with the monthly meeting of SEIAA. SEAC shall take concerted effort to clear the pending cases before that.

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

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

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