

MINUTES OF THE 169th MEETING OF THE STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), KERALA MEETING HELD ON 7th, 8th & 9th AUGUST 2024, IN THE CONFERENCE HALL, STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA

The meeting started at 10.00 AM on 7th August 2024. Dr. R. Ajayakumar Varma, Chairman, SEAC Kerala chaired the meeting. The Committee discussed the agenda items in detail and took the following decisions:

Item No. 169.01 **Noting of the minutes of 168th SEAC meeting held on 8th, 9th, 10th & 20th July 2024**

Confirmed the Minutes

Item No. 169.02 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Prakasan C.V. for an area of 0.1944 Ha at Bock No. 70, Re-Survey No. 49/689, 49/1039 in Nidiyenga Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/447673/2023, 2416/EC4/2023/SEIAA)**

The Committee re-examined the proposal as per the decision of the 142nd SEIAA meeting. The project proponent along with the request letter to reconsider the proposal, submitted photographs showing the dilapidated shed at a distance of 28.9 m and the temporary shed at a distance of 47.3 m. The Village Officer vide certificate dated 17/05/2024, intimated that there is no residential building, public building, and electric posts within 50 m from the proposed area. The Committee noted that the life of mine is 2 years. The Project cost is 6,12,000/-. The quantity proposed for mining in the first year is 13,365 MT and the quantity proposed for the second year is 10,935 MT. The total recoverable quantity proposed is 17,011 MT. The depth to the water table is 7m bgl and the depth of mining is 5.5m bgl. The total project cost is Rs.6.12 lakh. The site is not in landslide hazard zone. **Based on discussion, the Committee decided to recommend EC for 2 years subject to the following specific conditions in addition to the general conditions.**

1. The project proponent should comprehensively implement the EMP by considering the adjacent project owned by him
2. The depth of mining should be limited to 5m bgl.
3. The excavation activity should not involve blasting.
4. The excavation activity should be restricted to 2m above the groundwater table at the site.
5. The excavation activity should not alter the natural drainage pattern of the area.
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.

7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
10. Workers/laborers should be provided with facilities for drinking water and sanitation.
11. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
12. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
13. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
14. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
16. Measures incorporated in the CER should be implemented within 6 months from the date of EC and maintained during the rest of the EC period.
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 5.00 pm)

Item No. 169.03 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Prakasan C.V. for an area of 0.0972 Ha at Bock No.070, Re-Survey No. 49/336 of Nidiyenga Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/448853/2023, 2413/EC4/2023/SEIAA)

The Committee re-examined the proposal as per the decision of the 142nd SEIAA meeting. The project proponent along with the request letter to reconsider the submitted photographs showing the dilapidated shed at a distance of 28.9 m and temporary shed at a distance of 47.3 m. The Village Officer vide certificate dated 17/05/2024, intimated that there is no residential building, public building and electric posts within 50 m from the proposed area. As per the application, the quantity proposed for mining is 13,365 MT and the recoverable quantity is 9,356 MT. The life of mine is 1 year. The total project cost is Rs.3.69 lakhs. The depth to water table is 6m bgl at 150m above MSL. The distance to medium hazard zone at 2.15m from the proposed area. **Based on discussion, the Committee decided to recommend EC for 1 year subject to the following specific conditions in addition to the general conditions.**

1. The project proponent should comprehensively implement the EMP by considering the adjacent project owned by him
2. The depth of mining should be limited to 4 m bgl.

3. The excavation activity should not involve blasting.
4. The excavation activity should be restricted to 2m above the groundwater table at the site.
5. The excavation activity should not alter the natural drainage pattern of the area.
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
10. Workers/laborers should be provided with facilities for drinking water and sanitation.
11. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
12. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
13. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
14. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
16. Measures incorporated in the CER should be implemented within 6 months from the date of EC and maintained during the rest of the EC period.
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 5.00 pm)

Item No. 169.04 **Environmental Clearance for the Expansion of the Building Project, M/s Adlux Medicity & Convention Centre Pvt. Ltd, at Karukutty Village, Aluva Taluk, Ernakulam. (Older EC issued File No. 1186/A2/2018/SEIAA); (Expansion Project Proposal No: SIA/ KL/ MIS/ 273775/2022; File No: 2109/EC3/2022/SEIAA)**

The Committee noted the decision of the 144th SEIAA meeting regarding the reconstitution of the Monitoring Committee for the effective implementation of the activities for RP & CNRAP. The Committee decided to nominate Dr. A.V. Raghu, Member, SEAC as the Chairman of the Monitoring Committee. The Committee further decided to consider the alternate proposals for RP & CNRAP, if the Project Proponent submits feasible proposals for the project region and also application for expansion proposal on satisfactory compliance of original EC conditions

including approved remediation and natural resource augmentation plan as well as the additional documents sought.

PARIVESH FILES (Ver-1)
CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE
PART-1

Item No.01 **Environmental Clearance for the Proposed City Side Developmental Project of M/s Adani Airport Holdings Limited at Pettah Village, Thiruvananthapuram Municipal Corporation, Taluk & District, Kerala. (SIA/KL/INFRA2/404656/2022, 2140/EC1/2022/SEIAA)**

The Committee examined the project and scrutinized the additional documents submitted by the project proponent. As per the additional documents the Project Proponent submitted order No.B8-661759/23 dated 10/10/2023 of the District Collector, Thiruvananthapuram regarding the allotment of land at Survey No. 2854 in Muttathara Village to the Municipal Corporation, Thiruvananthapuram, for the construction of rendering unit. The NOC from the Kerala Water Authority has not submitted by the project proponent. The additional documents submitted are found satisfactory. As per the application, the total plot area is 0.8093 ha with a total built-up area of 33,903 sq.m. The FAR proposed is 19,871 sq.m. (@2.45). The number of floors includes 2 Basements + Gr. Floor + 4 floors. The total project cost is 136.31 Crores. **Based on discussions the Committee decided to recommend EC for 10 years for the proposal subject to the FAR permissibility and following specific conditions in addition to the general conditions.**

1. The FAR norms should be complied with strictly.
2. All the mitigation measures proposed in the EMP along with additional measures suggested should be implemented during the construction and operational phase appropriately
3. The guidelines for green rating and green building certification to buildings based on green standards issued by Government of Kerala vide GO (MS) No. 39/2022/LSGD dated 25.2.2022 should be adhered to.
4. Climate-responsive design as per Green Building Guidelines in practice should be adopted
5. Exposed roof area and covered parking should be covered with material having high solar reflective index
6. Green belt surrounding the campus, avenue tree planting, and garden development should commence from the beginning of the construction phase. Suitable local species should be used for green belt and avenue trees.
7. Vegetation should be developed appropriately on the ground as well as over built structures such as roofs, basements, podiums, etc.

8. The approved CER proposal should be implemented in total during the first two years and its operation and maintenance should be undertaken during the rest of the EC period.
9. The parking facility lost due to the conversion of the land used for vehicle parking at present for building construction should be compensated for
10. Adequate safety gadgets and instruments should be provided to the people engaged in solid and liquid waste management. Periodic medical check-ups of the people engaged for the waste management activities should be undertaken and their health management should be ensured.
11. The Kerala Energy Conservation (Building Code) Rules 2017 should be complied with.
12. Energy conservation measures as proposed in the application should be adopted in total. The PP should examine the scope for improving energy conservation measures periodically and implement the same.
13. Periodic monitoring of water samples from the groundwater sources should be carried out and treatment measures incorporated as required
14. The STP should be augmented with SCADA controlled SBR technology including tertiary treatment unit to ensure quality of treated water for re-use /recycle for flushing / gardening/ firefighting/ recharge of local ground water as per the plan submitted.
15. Treated water from STP should be reused to the maximum extent and balance if any should be discharged through a series of soak pits for recharging the local ground water, as far as possible.
16. The proponent should implement the storm-water drainage plan as proposed.
17. Rainwater harvesting plan should be implemented in compliance to the Kerala Municipal Building Rules, 2019.
18. Water efficient plumbing features for saving water use should be adopted as per the plan submitted.
19. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
20. The Project Proponent should make provision for the housing of construction labour with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).
21. Building design should cater to differently-abled citizens

22. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, the carrying capacity of the natural drain should be enhanced to contain the peak flow
23. Buildings should be barricaded with GI sheets of 6 m. (20 feet) height and provided appropriate protection so as to avoid disturbance to other buildings nearby during construction.
24. Construction work should be carried out during day time only.
25. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
26. All vehicles carrying construction materials should be fully covered and protected.
27. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
28. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
29. Occupational health safety measures for the workers should be taken during the construction.
30. All vehicles during the construction phase should carry PUC certificate.
31. D.G. set should be provided with adequate stack height and acoustic enclosure and regular maintenance should be carried out periodically

**Item No.02 Integrated Clearance for CRZ & Environment Clearance for the proposed Special Residential (Hotel, Resort project) to be developed by M/s Travancore Enterprises Pvt. Ltd. at Re-Survey Nos.19/6, 19/8, 2911-1, 1911, 1912, Vizhinjam Village, Thiruvananthapuram Corporation, Neyyattinkara Taluk, Thiruvananthapuram.
(SIA/KL/INFRA2/420272/2023, 2231/EC1/2023/SEIAA)**

As per the decision of the 167th SEAC meeting, the proponent was invited for presentation vide e-mail dated 30 July 2024. The NABET accredited Consultant of the project requested to postpone the presentation since they could not complete the submission of additional documents sought. **Hence the Committee decided to defer the proposal.**

Item No.03 Environmental Clearance for the Proposed Commercial Complex Project to be developed by M/s Kunnamkulam Centre LLP for an area of 2.0176 ha at Re-Sy. Nos. 11/P3-1, 11/P4-4 in Choondal Village & Re-Sy 162/3, 162/3-1, 162/3-1-1 in Kanipayyur Village, Chowannur Panchayat, Kunnamkulam Taluk, Thrissur. (SIA/KL/INFRA2/445681/2023, 2446/EC3/2023/SEIAA)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. As per the application, the total built-up area of the project is 59,748m² with plot area 2.0176 ha. The FAR is 1.938. The total project cost is Rs.106 Crore. The Ground water level ranges from 6.70m to 7.10m. The project consists of commercial retail shops, multiplex (1,500 seats), food court (1,200 seats), restaurant (300 seats) along with supporting infrastructure facilities. The maximum height of the building is 30 m. The Presentation of the proposed project was heard in the 157th SEAC meeting. The field inspection was conducted on 27.02.2024. **Based on discussions the Committee decided to recommend EC for 10 years for the proposal subject to the FAR permissibility and following specific conditions in addition to the general conditions.**

1. The FAR norms should be complied with strictly
2. The excavated earth removed from site should not be used for reclamation of paddy fields/wetland areas
3. The public drain connected to the roadside (SH) drainage system must be adequately maintained for a sufficient distance.
4. All the mitigation measures proposed in the EMP along with additional measures suggested should be implemented during the construction and operational phase appropriately
5. The guidelines for green rating and green building certification to buildings based on green standards issued by Government of Kerala vide GO (MS) No. 39/2022/LSGD dated 25.2.2022 should be adhered to.
6. Climate-responsive design as per Green Building Guidelines in practice should be adopted
7. Exposed roof area and covered parking should be covered with material having high solar reflective index
8. Green belt surrounding the campus, avenue tree planting, and garden development should commence from the beginning of the construction phase. Suitable local species should be used for green belt and avenue trees.
9. Vegetation should be developed appropriately on the ground as well as over built structures such as roofs, basements, podiums, etc.
10. The approved CER proposal should be implemented in total during the first two years and its operation and maintenance should be undertaken during the rest of the EC period.

11. Adequate safety gadgets and instruments should be provided to the people engaged in solid and liquid waste management. Periodic medical check-ups of the people engaged for the waste management activities should be undertaken and their health management should be ensured.
12. The Kerala Energy Conservation (Building Code) Rules 2017 should be complied with.
13. Energy conservation measures as proposed in the application should be adopted in total. The PP should examine the scope for improving energy conservation measures periodically and implement the same.
14. Periodic monitoring of water samples from the groundwater sources should be carried out and treatment measures incorporated as required
15. The STP should be augmented with tertiary treatment unit to ensure quality of treated water for re-use /recycle for flushing / gardening/ firefighting/ recharge of local ground water as per the plan submitted.
16. Treated water from STP should be reused to the maximum extent and balance if any should be discharged through a series of soak pits for recharging the local ground water, as far as possible.
17. The proponent should implement the storm-water drainage plan as proposed.
18. Rainwater harvesting plan should be implemented in compliance to the Kerala Municipal Building Rules, 2019.
19. Water efficient plumbing features for saving water use should be adopted as per the plan submitted.
20. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
21. The Project Proponent should make provision for the housing of construction labour with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).
22. Building design should cater to differently-abled citizens
23. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, the carrying capacity of the natural drain should be enhanced to contain the peak flow
24. Buildings should be barricaded with GI sheets of 6 m. (20 feet) height and provided appropriate protection so as to avoid disturbance to other buildings nearby during construction.
25. Construction work should be carried out during day time only.

26. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
27. All vehicles carrying construction materials should be fully covered and protected.
28. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
29. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
30. Occupational health safety measures for the workers should be taken during the construction.
31. All vehicles during the construction phase should carry PUC certificate.
32. D.G. set should be provided with adequate stack height and acoustic enclosure and regular maintenance should be carried out periodically
33. Green belt surrounding the campus, avenue tree planting, and garden development should commence from the beginning of the construction phase. Suitable local species should be used for green belt and avenue trees
34. Vegetation should be developed appropriately on the ground as well as over built structures such as roofs, basements, podiums, etc.
35. The exposed roof area and covered parking should be covered with material having a high solar reflective index.
36. Charging facility for EV at parking space has to be ensured

Item No.04 Environmental Clearance for the Granite Building stone quarry of Sri. Sebastian. V. J for an area of 2.0827 Ha at Survey No. 1/166 in Pullippadam Village, Nilambur Taluk, Malappuram. (SIA/KL/MIN/129437/2019, 1539/EC3/2019/SEIAA)

The Committee scrutinized the additional documents submitted by the project proponent sought as per the decision of the 114th SEAC meeting. The Committee noted that the KML file attached in the application is an area near to Nediyruppu, however, the latitude and the longitude details indicate the site is at the foot hills of vavul mala near to Mundakkai landslide region, which seems to be a vulnerable area. The CER detail submitted is not as per the guidelines published in the website of SEIAA and is not found satisfactory. **Based on discussion, the Committee decided to invite the Proponent for presentation.**

Item No.05 **Environmental Clearance for Granite Building Stone Quarry of Sri. K V Radhakrishnan at Re. Sy. Nos. 471/l(P) and 471/4(P) in Kuzhalmannam -1 Village, Alathur Taluk, Palakkad.**
(SIA/KL/MIN/251165/2022, 2012/EC1/2022/SEIAA)

The 144th SEIAA meeting referred the proposal back to SEAC to conduct a field inspection to assess the feasibility of mining as per the revised mining plan, considering that the proposed area is already mined out, and render fresh recommendation. The Authority also stated that as the Choolanur Peafowl Sanctuary is at a distance of 8.5 Kms the proof of application for NBWL shall also to be produced. The project proponent vide letter dated 20.05.2024, submitted the modified mining plan. As per the mining plan the mineable reserve is reduced to 64,463 MT for a mine life of 3 years. The additional documents submitted vide letter dated 26/02/2023 state that, the Project Proponent has already submitted the proof of application submitted to NBWL for wildlife clearance. **Based on discussion, the Committee decided to entrust Dr. K. Vasudevan Pillai and Dr. A.N. Manoharan to assess the feasibility of mining as per the revised mining plan also by conducting field inspection and submit the report.**

Item No.06 **Environmental Clearance for Granite (Building Stone) Quarry of Sri. Shamsudheen for an area of 4.5622 Ha. at Survey No 1 in Udayagiri village, Taliparamba Taluk, Kannur**
(SIA/KL/MIN/411554/2022, 2224/EC4/SEIAA/2023)

The Committee discussed the detailed evaluation report and found that the area is having steep to very steep slope, and is in between two high-hazard zones. The site is intersected by a stream. The elevation of the project site is 528m to 644m on a hill with maximum elevation of 750m. The Committee also noticed the following:

1. The proposed area falls on a steep to very steep flank of a hillock.
2. The area includes large part of a micro-watershed. The drainage derived from the Digital Elevation model indicates that two first order drains and one second order drains discharge the surface runoff from the proposed area. The parallel drainage pattern and the presence of the streams shows the significance of drainage in the area. The runoff water from a significantly large area on the upstream side of the project site which normally drains through these three streams has to be diverted if there is any type of intervention in any part of the steep slope. Such diversions in the high slope region is highly undesirable. The area above the proposed site (top portion of the watershed) is thickly vegetated with significant soil thickness. Further, the nearby areas fall in high hazard zones, indicating high vulnerability to landslides. Hence, the proposed quarrying activity may significantly alter the surface runoff as well as be a potential trigger for landslides.

3. The proposed area is surrounded by high hazard zone. The nearest distance to the high hazard zone is 13.6m. Eastern and Western boundary of the proposed area falls very close to the hazard zone.
4. Moderate to high vegetation density along the valley portion of the proposed area.
5. A built structure (crusher and own office building) is found within 15m from the proposed project boundary.

In the above circumstances, the area is not found feasible for mining and the Committee decided to recommend rejection of the proposal by invoking precautionary principle.

Item No.07 Granite (Building Stone) Quarry of Sri. Sukumaran. K, Ottappalam Karinkal Quarry Operators, Vyavasaya Sahakarana Sangam Limited No. SIND(P), for an area of 0. 3199 Ha. at Block No: 34 Re-Survey Nos: 6/8, 27/3, 27/4 in Vallapuzha Village, Pattambi Taluk, Palakkad, (SIA/KL/MIN/412002/2022 , 2185/EC1/2023/SEIAA)

The Committee examined the application and scrutinized the additional documents submitted by the Project Proponent. The Committee found that as per the application, the proposed area is for an area of 0.3199 Ha. As per the decision of the 134th meeting of SEIAA, the minimum area for granite mining by ensuring all the environmental safeguards should be greater than 0.5 Ha. Since the area proposed for mining is 0.3199 ha and the mining is not environmentally feasible. **Therefore, the Committee decided to recommend rejection of the proposal.**

Item No.08 Environmental Clearance for the Granite Building Stone Quarry project of Sri. Deepak Jose, Managing Director, M/s. Optimum Granites Pvt. Ltd. for an area of 2.1044 ha at Sy No. 274 in Thirumittacode-II Village, Pattambi Taluk, Palakkad. (SIA/KL/MIN/415585/2023, 1418/EC1/2019/SEIAA)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. As per the additional documents, the depth to water table is 8m bgl at 105m MSL. As per the mining plan, the mineable reserve is 603813MT, the average annual production is 60381.3 MTA and the mine life is 10 years. The highest elevation of the lease area is 160 m MSL and lowest is 115 m MSL. The nearest house is at 103m. No wildlife sanctuaries are reported within 10km from the project boundary and the proposed site does not fall in any landslide hazard zone. The Kochusheema Forest is at 588m in SW side and Erumapetty Forest Station is situated at 1.45km on southern side. **Based on discussion, the Committee decided to recommend EC for 10 years subject to the following specific conditions in addition to general conditions. The EC may be issued after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The green belt should be initiated prior to the commencement of mining using indigenous species.
2. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
3. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
4. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
5. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
6. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
7. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
8. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
9. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
10. The haulage road should be provided with sprinkling facility to prevent dust pollution.
11. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
12. 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.
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 5.00 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. The 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. dump plan

17. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
18. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.09 Environmental Clearance for the Granite Building Stone Quarry of Sri. Abdul Hameed K. P for an area of 1.4784 Ha at Block No.227, Sy.Nos. 55/1, 55/4, 50/1, 50/1-2, 50/1-3 in Urangattiri Village, Ernad Taluk, Malappuram.
(SIA/KL/MIN/417557/2023, 2227/EC6/2023/SEIAA)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. As per the additional documents, the depth to water table is 5m bgl at 56m above MSL. As per the application, the total mineable reserve is 405958 MT and annual production is 40595 TPA. The mine life is 10 years. The highest elevation of the lease area is 205m above MSL and the lowest is 160 m above MSL. The project cost is 1.5 crores. As per the hazard zonation map, the High Hazard Zone is located at a distance of 150m and the Medium Hazard Zone is located at a distance of 60m. **Based on discussion, the Committee decided to recommend EC for 10 years subject to the following Specific Conditions. The EC may be issued after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The mitigation measures as per the EMP should be implemented comprehensively also by considering the adjacent quarries.
2. The green belt should be initiated prior to the commencement of mining using indigenous species.
3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
7. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of

mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.

8. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
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. 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 5.00 pm).
15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
16. 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
17. The 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. dump plan
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.10 **Environmental Clearance for the Granite Building stone quarry of Sri.Ashok Mathai Alexander, M/s. Highrange Granite Industries for an area of 4.5000 hectares at Sy.Nos.431 Part and 442 Part, in Kokkayar Village, Peerumade Taluk, Idukki**
(SIA/KL/MIN/422372/2023, 2262/EC3/2023/SEIAA)

As invited the Project Proponent Sri. Ashok Mathai Alexander, M/s. Highrange Granite Industries and the Consultant Dr. A. Dhamodharan were present. The Consultant made the presentation. The Committee decided to entrust Dr. Mahesh Mohan to evaluate the additional

documents as per the 156th SEAC meeting. The Committee decided to seek the PP to submit the following additional documents other than the previous.

1. Revise the OB dump plan and propose alternate site for the same.
2. Google map of 10 km radius of the proposed site showing the locations of past landslides in the area and landslide proneness region as per the district disaster management authority.
3. Map showing all the houses, other buildings, infrastructure and other installations within 500m radius of the site
4. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04- 2024.
5. Soil profile along and across the project site.
6. EMP prepared by a NABET Accredited consultant.

Item No.11 **Revalidation of EC issued by DEIAA, Idukki to the Granite Building Stone Quarry of Sri. Shiju Thomas for an area of 4.3049 Ha at Survey Nos. 294/1pt, 294/2 pt, 295/5, 295/6 pt, 296/2 pt and 356/1-1 pt in Alakkode Village, Thodupuzha Taluk, Idukki (SIA/KL/MIN/435329/2023, 2385/EC2/2023/SEIAA)**

The Committee examined the application and scrutinised the additional documents submitted by the Project Proponent. The Project Proponent has already mined up to 76m AMSL, and the depth to water table is 8m bgl. As the mining has already been conducted up to the water table, further mining in the area is not feasible. Though the feasibility study recommends mining up to 54m above MSL in the report of the hydrogeologist, it is not permissible on account of the existing guidelines. **Therefore, the Committee decided to recommend rejection of the proposal.**

Item No.12 **Environmental Clearance for Granite Building stone quarry of Sri.Vinodlal. N, M/s Daiwik Industries Pvt. Ltd. at Re-Sy. Nos. 346/1-2, 347/2- 4, 346/3, 346/1-1, 346/1-3, 347/5, 347/4, 346/4, 346/1-9, 347/2-3, 346/1-5, 346/1- 4, 346/1-7, 346/1-8, 354/1-5-1, 354/1-5, 354/1-16, 355/7, 345/4, 345/6, 345/3-1, 354/1-3, 354/1-7, 347/1, 347/2-1, 347/2, 355/6, 345/3, 354/1-7-1, 346/2-1, 347/3- 2 in Block No. 48, Aryanad Village & Panchayat, Nedumangad Taluk, 152 Thiruvananthapuram District, Kerala for a Mine Lease (ML) area of 5.4586 ha. (SIA/KL/MIN/444972/2023, 2407/EC3/2023/SEIAA)**

The Committee examined the application and scrutinized the additional documents submitted by the Project Proponent. The Committee found that, the area is very steep slope and the lower

reaches of the area are highly populated. In these circumstances, the Committee decided to direct the Proponent to submit the following:

- (i) Map showing all the houses, other buildings, infrastructure and other installations within 500m radius of the site
- (ii) Detailed risk analysis considering the high population density in the lower reaches of water shed is essential considering very steep slope and soil thickness of the terrain.
- (iii) NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04-2024.

Item No.13 Environmental Clearance for the Granite Building Stone Quarry of Sri. Shemeel R, Managing Partner & Authorized Signatory, M/s. Galaxy Rocks for an area of 4.2146 Ha at Re-Survey No: 416/10, 416/12, 419/3-2, 416/3, 416/3-3, 417/8, 417/7, 417/8-2, 417/3, 417/9, 417/2, 417/1-2, 413/2, 417/1-3, 417/1-6, 417/1-4, 417/1-5 in Kummil Village, Kottarakkara Taluk, Kollam (SIA/KL/MIN/445259/2023, 2162/EC2/2022/SEIAA)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. As per the additional documents, the depth to water table varies from 3.5 m to 5.2 m below ground level. As per the application, the total mineable reserve is 2038465 MT. The life of mine is 12 years. The highest elevation is 130 m MSL and lowest is 90m MSL. The nearest house is at 130 m. The project area is not in moderate hazard zone or high hazard zone. The project cost is Rs.3.25 crore. The EIA report of the proposal was presented in the 158th SEAC meeting. **Based on discussion, the Committee decided to recommend EC for 12 years subject to the following specific conditions in addition to general conditions. The EC may be issued after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04-2024.**

1. The depth of mining should be limited to 85m above MSL considering the depth to water table.
2. The green belt should be initiated prior to the commencement of mining using indigenous species.
3. Compensatory afforestation should be done prior to the commencement of mining as per the proposal submitted.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.

5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
7. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
8. A temporary wall of 5m height should be erected between boundary pillars BP2-BP1-BP15 and BP10-BP11-BP12 to avoid disturbance and nuisance to the nearby residents.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
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. 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 5.00 pm).
15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
16. 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
17. The 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. dump plan
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.14 Re-appraisal of EC issued by DEIAA, for the Granite Building Stone Quarry of M/s. Highland Silver Sands (P) Ltd for an area of 4.31 Ha at Re-Survey No.2/1(p) in Raroth Village, Thamarassery Taluk, Kozhikode (SIA/KL/MIN/447663/2023, 2484/EC2/2023/SEIAA)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. The application is for the re-appraisal of DEIAA issued EC No. No.06.DEIAA/KL/MIN/3058/2016 dated 15.7.2017. As per the approved mining plan, the total mineable reserves n is 22,13,230 MT with a life of mine of 12 years. As per the scheme of mining approved on 12.10.2022, about 4,11,700.10 MT was already extracted for a period of 5 years till 2022 and a quantity of 17,22,889.9 MT is remaining for the next 7 years. The distance to Vanaparvam Biodiversity Park is 8.38km. The site does not fall in any landslide hazard zones. There are many built structures within 200m distance from the project boundary. There is one shed at 13m and another one at 25m. The depth to water table is 6m bgl. **Based on discussion, the Committee decided to recommend EC for 7 years as per the Scheme of mine subject to the following Specific Conditions. The EC may be issued after the Proponent submit the NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04-2024.**

1. The depth of mining should be limited to 15m above MSL, the current level of the mine as the depth to water table is 6m bgl.
2. A minimum distance of 50m buffer should be kept between the built structures and the boundary of the proposed mine.
3. The green belt should be initiated prior to the commencement of mining using indigenous species.
4. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
8. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.

9. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
10. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
11. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
12. The haulage road should be provided with sprinkling facility to prevent dust pollution.
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. 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.
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 5.00 pm).
16. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
17. 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
18. The 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. dump plan
19. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
20. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.15 **Environmental Clearance for Granite Building Stone Quarry of Sri. Biju M.K for an area of 4.5000 Ha at block no. 46, Re-survey nos. 158/4-3, 158/10, 158/5, 158/6, 158/12-2, 158/7-2, 158/8, 160/18, 160/23-3, 160/23-2, 160/22, 160/20-3-2-2, 164/12, 164/13, 164/1, 164/12-2, 164/2, 164/4-1, 164/5 (patta land), 158/11, 161/pt, 161/pt, 160/17, 160/23 (govt land) in Ittiva Village, Kottarakkara Taluk, Kollam.**
(SIA/KL/MIN/449132/2023, 2415/EC1/2023/SEIAA)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. The committee discussed the hearing note as submitted as per the decision of 166th SEAC meeting. The Project Proponent submitted revised plan for maintaining a buffer of 50 m from the built structures near to the proposed site. Considering a buffer of 50m

the Mineable reserves is reduced to 12.5 lakh MT with a mine life of 15 years. The project proponent also submitted NOC from the Minor Irrigation Division, Kollam dated 22.07.2024. The complaint filed by Sri. Rajeev against the proposed quarry was withdrawn as per the letter dated 17.07.2024. As per the application, the total mineable reserve is 22,06,190 MT. The life of mine is 15 years. The distance to the high hazard zone is 17.4 km and to the medium hazard zone is 7.58 km. The highest elevation of the permit area is 177 m AMSL and lowest is 126 m AMSL. The proponent has obtained No Objection Certificates for the government land which is valid up to 10 years from the date of execution of the lease deed. A Crusher unit is located at 5 m and own buildings at 39.2 m, 62.3m and 73.7 m from the project boundary. The nearest habitation is reported at 55.3 m and 56 m. The depth to water table is 6m below ground level. The total project cost is Rs.1.75 Crore. **Based on discussion, the Committee decided to recommend EC for 15 years subject to the following specific conditions in addition to general conditions.**

1. The depth of mining should be limited to 120m above MSL
2. A minimum distance of 50m buffer should be kept between the built structures and the boundary of the proposed mine.
3. The green belt should be initiated prior to the commencement of mining using indigenous species.
4. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
8. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
9. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
10. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
11. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
12. The haulage road should be provided with sprinkling facility to prevent dust pollution.

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. 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.
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 5.00 pm).
16. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
17. 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
18. The 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. dump plan
19. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
20. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.16 **Environmental Clearance for Ordinary Earth Mining Project of Sri. Daniel. K.P for an area of 0.4559 Ha at Block No. 45, Re -Survey No. 439/10,439/5-2, 439/5-2-1 in Aikaranad North Village, Kunnathunad Taluk, Ernakulam. (Deferred from 166th SEAC) (SIA/KL/MIN/455191/2023, 2482/EC1/2023/SEIAA)**

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory except the feasibility of mining without affecting the nearest house. As per the additional document and the photograph submitted, the nearest house is located at a distance of 8.2m. The proposed depth of removal of Ordinary Earth as per mining plan is only 3m. It is reported that the surface earth material is relatively compacted and the likelihood of soil slip to the neighbouring sites is unlikely. As per the application, the total mineable reserve is 27,354 MT. The project cost is 20 lakh. The distance to high hazard zone is 33.58 Km and the distance and the distance to moderate hazard zone is 30.23 Km. The depth to water table is 8 m bgl at 49m above MSL. The highest elevation of the proposed area is 64 m above MSL and the lowest elevation is 56 m above MSL. As per the survey map, the nearest built structures are at a distance of 5-10m. **Based on discussion, the Committee decided to recommend EC for mine life of 2 years subject to the following specific conditions in addition to the General Conditions:**

1. The depth of mining should be limited to **2m bgl**.

2. The excavated earth should be not be used for the reclamation of paddy fields and / or wetlands.
3. The excavation activity should not involve blasting.
4. The excavation activity should be restricted to 2m above the groundwater table at the site.
5. The excavation activity should not alter the natural drainage pattern of the area
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
10. Workers/laborers should be provided with facilities for drinking water and sanitation.
11. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
12. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.
13. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
14. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
16. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
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 5.00 pm).

Item No.17 Environmental Clearance for Laterite Building Stone Quarry project of Sri. Muhammed Anees P for an area of 0.4812 Ha, at Re-Survey Nos.301/5, 302/3 & 303/2 in Thachanattukara 2 Village, Mannarkad Taluk, Palakkad, Kerala (SIA/KL/MIN/456721/2023 , 2497/EC3/2023/SEIAA)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. As per the documents submitted, the depth to water table is 8m bgl at 67m AMSL. The Cluster certificate dated 11.12.2023 states that, no laterite quarry operation in 500m radius. As per the application, the total mineable reserve is 60150 MT with a recoverable quantity of 42105 MT. The mine life is 2 years. The project cost is 15 Lakh. The Kunthi river is at a distance of 0.620 km from the project site. The highest and lowest elevation of the project

area is 86 m and 80m above MSL. The distance to high hazard zone is 13.73 km and the distance to Moderate Hazard Zone is 10.85 km. **Based on discussion, the Committee decided to recommend EC for mine life of 2 years subject to the following Specific Conditions in addition to the General Conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. 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.
12. 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.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
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 5.00 pm).
16. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.18 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Muhammed Ibrahim Palakkan, M/s Rox Silicon Private Limited for an area of 4.5070 Ha at Sy. No .1065 & 1065 pt in Melmuri Village, Malappuram Municipality, Ernad Taluk, Malappuram. (Deferred from 166th SEAC) (SIA/KL/MIN/46597/2019, 1575/EC3/2019/SEIAA)**

The Committee scrutinized the additional documents submitted by the project proponent and found that the modified mining plan dated 24.04.2024 is not approved by the Competent Authority. The Project Proponent has agreed to provide additional buffer in the portion of the proposed project area falling in the medium hazard zone and reduce the mining area by avoiding the area falling under medium hazard zone. Considering the overall slope and soil thickness of the site and it's surroundings and considering the overall environmental fragility of the region with considerable number of granite building stone quarries, the Committee decided to seek the following additional documents for further appraisal of the proposal.

1. Approved mining plan for the revised area as stated by the project proponent
2. The NOC from the District Level Crisis Management Committee is to be submitted considering the nearness to the moderate hazard zone and fragility of the area.

Item No.19 **Environmental Clearance for the granite building stone quarry project of Sri.Muhammed, Managing Director, M/s Vettakode Granite Pvt. Ltd for an area of 3.3624 Ha at Sy.No.247/1,247/2-1, 274/3, 275/2 in Anakkayam Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/66304/2019, 1514/EC3/2019/SEIAA)**

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. As per the application, the mineable reserve is 21,41,700 MT with a targeted annual production of 1,40,000 MT. The life of mine is 15 years. As per the EIA report, the elevation of the site varies from 90m to 125m above MSL. The depth to water table varies from 4.1m to 5.8m below ground level. The Medium Hazard Zone is located at a distance of 4.7 km. The nearest built structure is a shed at a distance of 97.8m. **Based on discussion, the Committee decided to recommend EC for 15 years subject to the following Specific Conditions. The EC may be issued after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04-2024.**

1. The depth of mining should be limited to 85m above MSL considering the depth to water table
2. The green belt should be initiated prior to the commencement of mining using indigenous species.

3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
7. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
8. A temporary wall of 5m height should be erected at the boundary connecting BP9-BP10_BP12-BP13-BP14-BP15-BP16-BP17 to avoid disturbance and nuisance to the nearby residents.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
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. 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 5.00 pm).
15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
16. 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
17. The 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. dump plan

18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.20 **Environmental Clearance for the proposed expansion of the project 'Adlux Medicity & Convention Centre P\4. Ltd.' in Block-3, Re-Survey No. 35/2 at Karukutty Village, Aluva Taluk, Ernakulam. (Deferred from 166th SEAC)**
(SIA/KL/MIS/273775/2022, 2109/EC3/2022/SEIAA)

The Committee noted the decision of the 144th SEIAA meeting regarding the reconstitution of the Monitoring Committee for the effective implementation of the activities for RP & CNRAP. The Committee decided to nominate Dr. A.V. Raghu, Member, SEAC as the Chairman of the Monitoring Committee. The Committee further decided to consider the alternate proposals for RP & CNRAP, if the Project Proponent submits feasible proposals for the project region and also application for expansion proposal on satisfactory compliance of original EC conditions including approved remediation and natural resource augmentation plan as well as the additional documents sought.

Item No.21 **Environmental Clearance for Granite Building stone quarry of Sri. Bissy Kunjappan for an area of 2.1361 Ha at block no: 5, Resurvey no 209/1,220/2, in Kodanad Village, Kunnathunad Taluk, Ernakulam.**
(SIA/KL/MIN/444781/2023, 2414/EC1/2023/SEIAA)

The Committee examined the proposal along with the legal opinion received from the Standing Counsel, SEIAA on 16th July 2024 and the complaint in detail. As per the complaint dated 06/02/2023 submitted by Sri. Asokan K.P and Sri. Chandralal M.S, the proposed area is a rubber plantation and there was stay for conducting blasting activities as per the order of the Munsiff Court in O S No. 387 of 2003 dated 25.06.2006. Currently, the Complainant Sri. Asokan K. P. submitted a representation dated 6th August 2024 along with Tahsildar's report. As per the report of the Tahasildar dated 05.08.2024, Sri. Asokan K.P filed a WP(C) 9439/2024 in the Hon'ble High Court against the quarry license of Bissy Kunjappan and documents produced by the Village officer. The Hon'ble High Court has directed to take appropriate action within 2 months. As per direction of the District collector the Tahsildar, Kunnathunad examined all the documents submitted by the Complainant with revenue documents and found that the land details submitted such as the block number 5 Survey No 220, 221 are assigned for plantation. In the circumstance, the Committee decided the following:

1. Seek clarification from the Project Proponent regarding the ownership and the nature of land proposed for mining

2. Seek clarification/ proof from the Project Proponent whether mining is allowed in the proposed area on the basis of the direction of Hon Court and the status of the land
3. The SEIAA Secretariat shall provide a copy of the complaint and necessary documents to the PP and seek his/her response.

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

Item No.01 Environmental Clearance for the quarry project Sri.U.Abdul Kareem, M/s.U.K.Granites at Sy. No. 428(P) in Edayoor Village, Tirur Taluk, Malappuram District – Judgment dated 23.11.2020 in WP(C) No.25702 of 2020. (SIA/KL/MIN/304423/2023, 727/SEIAA/EC1/6106/2014)

The Committee scrutinized the revalidation application and found that the project proponent requested revalidation of the EC issued on 15.01.2016 for an area of 4.685 Ha. As per the certificate from the Mining & Geology Department dated 3.8.2022, the quantity extracted till date is 50,715 MT and the balance quantity available is 15,17,833.25 MT. As per the Field Inspection Report, the distance from moderate hazard zone is 4km and distance from high hazard zone is 35 km. **Based on discussion, the Committee decided to recommend EC for 10 years from the date of the original EC issued on 15.01.2016 subject to the following specific conditions in addition to general conditions. The EC may be issued after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04-2024.**

1. The green belt should be initiated prior to the commencement of mining using indigenous species.
2. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
3. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
4. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
5. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
6. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of

mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.

7. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
8. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
9. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
10. The haulage road should be provided with sprinkling facility to prevent dust pollution.
11. Garland drain, silt-traps, siltation ponds and outflow channels should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
12. 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.
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 5.00 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. The 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. dump plan
17. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
18. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.02 **Revalidation of Environmental Clearance issued by SEIAA for the building stone quarry project of Sri. C.K. Abdul Azeez, Managing Director, M/s Grand Stone Metals Pvt. Ltd for an area of 4.8240 Ha at Sy. No. 3, 21/1, 21/2, 22, 23, 24 in Kannamangalam Panchayat & Village, Thirurangadi Taluk, Malappuram. (Proposal No. SIA/KL/MIN/306709/2023, File No.906/SEIAA/EC1/ 3538/2015)**

The Committee examined the revalidation application submitted by the Project Proponent in detail. The 136th SEAC meeting discussed the Field inspection report of the proposal conducted

on 30.11.2022. **Based on discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application.**

1. Revised Scheme of Mining or Certificate from the Mining & Geology department regarding the resource extracted so far and balance resource available for extraction.
2. Geo-tagged photographs showing the strengthened fencing all around the project area and gates provided for entry and exit passages.
3. Plan for rectification of bench height and depth.

PARIVESH FILES (Ver-1)

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

PART-2

Item No.01 **Environmental Clearance for the mining of China clay by the Kerala Ceramics Ltd. for an area of 1.6900 Ha at Re Survey Block No. 10, Re-Survey Nos: 386/9-2, 386/10-2, 386/10, 386/21-2, 387/11, 387/13, 387/14, 387/16, 387/18, 387/18-2-2, 387/25, 387/26, 387/27, 387/28, 387/29, 387/35, 387/36, 387/37, 387/38, 387/39 and 392/1-2 in Perayam Village, Kollam Taluk, Kollam District, Kerala (SIA/KL/MIN/455763/2023, 2481/EC1/2023/SEIAA)**

The Committee evaluated the additional documents submitted by the project proponent and found them satisfactory. Based on the hydrogeological investigation by the District Officer, State Ground Water Department, Kollam, the ground water table of the area varies from 6.5 to 26.5m bgl and the proposed clay mining at an average depth of 10m bgl does not affect the ground water regime of the area as clay acts as an aquiclude formation. The Kerala State Ground Water Authority vide Proceeding no. DGWD/423/2024-T4 dated 21/03/2024 issued NOC for the project. As per the application, the mineable reserve is 2,85,052 MT. The life of mine is 10 years. The distance to high hazard zone is at 33.8 km and the distance to medium hazard zone is at 21.3km. The total project cost is 1.15 crore. **Based on discussion, the Committee decided to recommend EC for mine life of 10 years subject to the following specific conditions in addition to the General Conditions:**

1. Clay can be mined up to an average depth of 10m bgl
2. The pumping well of the company should be maintained as an observation well and water level should be monitored in it every day morning before pumping
3. A separate log book should be maintained to record the water level of the observation well monitored in the morning and the log book should be submitted to the District Officer, Ground Water Department, Kollam for verification in every three months
4. Steps should be taken to establish and monitor observation wells in the buffer zone through the District Officer, Ground Water Department, Kollam
5. The mined-out area should be in portion of land.

6. The excavation activity should not involve blasting.
7. The excavation activity should be restricted as per the conditions stipulated in the NOC issued by the State Ground Water Authority.
8. The excavation activity should not alter the natural drainage pattern of the area
9. The excavated pit should be restored by filling mined-out portions with top soil/earth and utilized for agriculture and such other useful purposes.
10. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
11. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
12. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
13. Workers/laborers should be provided with facilities for drinking water and sanitation.
14. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
15. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
16. Appropriate drainage should be ensured from the project area.
17. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
18. Measures incorporated in the CER should be implemented within the first two years and its operation and maintenance should be done during the rest of EC period.
19. Transportation of mined material outside the mine and industrial campus should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
20. The overburden and topsoil should be stored separately near the mine site, safeguarded with protection walls, and used for reclamation immediately after completion of mining.

**Item No.02 Environmental Clearance for the Granite Building Stone Quarry project of M/s. P. J. Associates, Managing Partner, Sri. Pious Antony for an area of 2.6465 hectares at Re-Survey Nos: 93/1, 94/1, 95/1, 95/1- 1, 95/2, 95/2-1, in Lalam Village, Meenachil Taluk, Kottayam.
(SIA/KL/MIN/410881/2022, 2186/EC3/2023/SEIAA)**

The Committee examined the proposal and scrutinized the additional documents submitted by the Project Proponent. As per the Cluster Certificate dated 25.07.2024, the Proposed project is having an area of 2.6465 ha in Re-Survey Nos: 93/1, 94/1, 95/1, 95/1- 1, 95/2, 95/2-1 in Lalam Village, Meenachil Taluk, Kottayam. The PJ Associates having another quarrying lease over an area of 1.9426 Ha in Re- Sy 94/2pt, 94/2-1pt, 94/2-2pt, 93/2pt in block no 21 and obtained a quarrying permit for an area of 0.6993 Ha and the survey number of the same was overlapping. Moreover, another quarrying permit was issued dated 22.05.2020 in favour of Joseph Ulahannan,

for an area of 0.9204 Ha in Sy. No. 109/2-1. None of the permit areas above are found closed or the closure plan approved. **In the circumstance, the Cluster has more than 5Ha of area under mining, and therefore, the Committee decided to direct the PP to submit application for ToR for conducting EIA study.**

PARIVESH FILES (Version - 2)

Part-1

Item No.01 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Joshy P.J, M/s Penta Granites, for an area of 4.1371 Ha at Re-Survey Nos. 278/21,278/31 PT,278/33 PT,278/35 & 278/PT in Kizhakkancheri-2 Village, Alathur Taluk, Palakkad District. (SIA/KL/MIN/458118/2024)

As invited, the Project Proponent Sri. Joshy P.J, M/s Penta Granites, and the Consultant Dr. A. Dhamodharan were present. The consultant made the presentation. The Committee also considered the complaint filed by Sri. Roy against the proposed quarry, forwarded by the District Collector, Palakkad dated 23.07.2024 and observed that the same was withdrawn by the Complainant as per the letter dated 25.06.2024. **Based on the discussion, the Committee decided to direct the PP to submit the following additional documents and entrust Dr. A.V. Raghu for the evaluation of the documents.**

1. PFR
2. Revised compensatory afforestation plan with geotagged photographs of the proposed site and the consent of the owner of the land if the land belongs to other persons than the PP.
3. Response to the complaint filed by Sri. Roy.
4. EMP prepared by NABET Accredited Agency.
5. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website.
6. Plan for providing a buffer of 50m from the built structure and the project boundary
7. Documents listed in the OM dated 28.4.2023 for reappraisal that are not submitted yet

The SEIAA Secretariat shall forward the copy of the complaint to the project proponent for his response.

Item No.02 Environmental Clearance for Granite Building stone quarry of Sri. Joshy P J, Managing Partner, M/s Pee Jay Granites at Re Survey No 118/1,118/2, 118/3 & 119/1(119/1-2) in Vandazhi-1 Village, Alathur Taluk, Palakkad District, Kerala for a Mine Lease (ML) area of 4.7664 ha. (SIA/KL/MIN/458413/2024)

As invited the Project Proponent Sri. Joshy P.J, M/s Penta Granites, and the Consultant Dr. A. Dhamodharan were present. The consultant made the presentation. As per the Cluster Certificate dated 02/05/2024 (which is not found uploaded, but referred to during the presentation), there are other quarries with working leases for an area of 3.8669 Ha within 500m radius of the proposed site. **Hence there is a cluster situation, the total area of the quarries within the 500 m radius**

is greater than 5 Ha. Considering the cluster condition, the Committee decided to direct the PP to submit application for ToR for EIA study.

Item No.03 **Environmental Clearance for the Expansion of the existing residential Building Construction project, M/s Heera Construction Company Pvt. Ltd. of Sri Mr. Tiju Varghese Chacko at Re-Survey Nos. 4 & 2, in Thycaud Village, Thiruvananthapuram Taluk, Thiruvananthapuram District. (SIA/KL/INFRA2/481230/2024)**

As invited the Project Proponent Sri Mr. Tiju Varghese Chacko, M/s Heera Constructions Company Pvt. Ltd and the Consultant Jomon from M/s Environmental Engineers & Consultants Pvt. Ltd were present. The consultant made the presentation. The Committee noted that the building construction has been completed except for certain amenities, especially the parking facilities for vehicles. The Committee observed that the baseline data submitted pertaining to air quality and sound level does not represent an urban environment. The Committee also noted the non-compliances from the CCR pertaining to green belt, STP, stormwater drainage, rainwater harvesting, energy conservation, improvement of energy efficiency, solar power generation etc. The Committee also noted that details regarding the existing and proposed multilevel parking facilities including the design and layout of the proposed facility is not submitted. **Based on discussion, the Committee decided to entrust Dr. N. Ajithkumar and Dr. Mahesh Mohan for field inspection and report.**

Item No.04 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Muhammed Shereef for an area of 0.8174 Ha at Block No. 7, Re-survey no. 201/9 in Keralassery Village, Palakkad Taluk, Palakkad District. (SIA/KL/MIN/468533/2024)**

As invited the Project Proponent Muhammed Shereef and the Consultant Dr. A. Dhamodharan were present. The consultant made the presentation. The proponent has submitted NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. The Compensatory Afforestation plan proposed is in a vegetated area. Hence an alternate area for the compensatory afforestation, preferably in a public place, with geo-tagged photographs and species proposed to be planted should be submitted.
2. Detailed EMP prepared by a NABET Accredited consultant.
3. Depth to water table in below ground level in the nearest dug well along with geotagged photograph of the well, distance from the project boundary and site elevation.
4. Development plan for haulage road.

5. Drone video of the project site and surrounding areas within 500m radius as per the guidelines uploaded in the SEIAA website.

Item No.05 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Gopalakrishnan. V, for an area of 0.9506 Ha at Block No.13, Re-Survey Nos. 111/1,110/1,112/16,112/15,112/7,112/7-2,112/17-1,117/17-2,112/17-3,112/17 in Kalayapuram Village, Kottarakkara Taluk, Kollam District. (SIA/KL/MIN/462531/2024)**

As invited the Project Proponent of Sri. Gopalakrishnan.V and the RQP Sri Jayachandra Panicker. P. S were present. The RQP made the presentation. The site seems to be located near a temple and there is a deep abandoned quarry adjacent to the proposed site. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19-04- 2024.
2. Detailed EMP prepared by a NABET Accredited agency.
3. Depth to water table below ground level in the nearest dug well along with geotagged photograph of the well, distance from the project boundary and site elevation.
4. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded in the SEIAA website.
5. Specific proposal to prevent nuisance and accidental rock fall to the temple premises and other residential areas adjacent to the proposed site
6. Specific proposal to protect the abandoned quarry and prevent accident due to it.

Item No.06 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Usman. V.K for an area of 0.8922 Ha at Block No. 50, Re- Sy No. 27/3-5, 27/3-6, 27/2 in Narukara Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/467662/2024)**

As invited the Project Proponent Sri. Usman. V.K and the Consultant Dr. A. Dhamodharan were present. The consultant made the presentation. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents,**

1. Comprehensive EMP prepared by an NABET Accredited agency considering all the adjacent quarries including the abandoned quarries.
2. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19-04- 2024.
3. Proposal of re-grassing the mining area and any other area which may have been disturbed due to the mining activities and restoring the land to a condition which is fit for

growth of fodder, flora, fauna etc. in compliance to the direction dated 8th January 2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No.114/2014, Common cause vs Union of India & Ors.

4. Revised Compensatory afforestation plan with proposals for planting in the Public Places.
5. Specific proposal to prevent nuisance and accidental rock fall to the residential areas in the downstream part of the watershed in which the proposed site is located
6. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded in the SEIAA website.

Item No.07

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Mohammed Shareef, for an area of 1.1757 Ha at Block No.1, Re-Sy No. 65/A5-19 in Valambur Village, Perinthalmanna Taluk, Malappuram. (SIA/KL/MIN/474419/2024)

As invited the Project Proponent Sri. Mohammed Shareef and the Consultant Dr. A. Dhamodharan were present. The consultant made the presentation. **Based on the discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Revised CER as per the guidelines uploaded in the SEIAA Kerala website.
2. EMP prepared by a NABET Accredited agency.
3. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP (C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024.
4. Proposal of re-grassing the mining area and any other area which may have been disturbed due to the mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna, etc. in compliance with the direction dated 8th January 2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No.114/2014, Common cause vs Union of India & Ors.
5. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded in the SEIAA website.
6. Soil profile across and along the project area

Item No.08

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Rajan, for an area of 0.6551 Ha at Re- Sy No. 111/1A1A in Koothali Village, Koyilandy Taluk, Kozhikode Dist. (SIA/KL/MIN/471817/2024)

As invited, an authorized person Sri. E.M Sasidharan and RQP Shri. D.P. Sreekumar were present. The RQP made the presentation. **Based on the discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. EMP prepared by a NABET Accredited consultant.

2. Revised CER as per the guideline uploaded on the website of SEIAA.
3. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded in the SEIAA website.
4. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP (C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024.
5. Soil profile across and along the proposed project site

Item No.09 Amendment in Environmental Clearance for the Construction of Commercial Complex ("Ozone Mall") project of Sri. A. K Abdul Azeez, (M/s INOA Properties & Developers LLP), for an area of 1.968317 ha at Sy. Nos. Sy. no. 1/1B-1, 4/2B-1, 146/1-5, 146/7-11, 4/2B-11, 4/2B-12, 146/3-1, 146/7-10, 4/2B-2, 146/7-2, 4/2B-3, 4/2-6, 146/1-1, 146/1-3, 146/7-9, 4/2B-4 & 4/1-2 in Pathaikkara Village, Perinthalmanna Taluk, Malappuram. (SIA/KL/INFRA2/473578/2024)

As invited, an authorised person Sri Ramees Raja and the Consultant Jomon from M/s Environmental Engineers & Consultants Pvt. Ltd were present. The consultant made the presentation. As per the EC issued File No. 2099/EC6/2022/SEIAA dated 11/02/2024, the total built up area built-up area is 33,438 sq.m with a plot area of 19,400.17 sq.m. now the application is for the amendment of the EC with an addition of new land area and hence an increase in the landscape area from 4,800 sq.m. to 5,083 sq.m. The total project cost is 144 Crores. The height of the building is 16.8m (Basement+Gr. Floor+2 Floors). As per the application, the project proponent purchased an additional land of 283 sq.m in Sy. no. 4/1-2 and thereby, the total plot area will become 19,683.17 sq.m. The landscape area from 4,800 sq.m. to 5,083 sq.m. There is no other change in the parameters mentioned in the Environmental Clearance Order like built-up area, the profile of the building, nature of activity, height of the building, ground coverage, pollution load, water requirement, solid waste generation, power requirement, etc. **Based on discussions, the Committee recommended amendment EC issued earlier on-11/02/2024 by increasing the landscape area from 4,800 sq.m. to 5,083 sq.m with all the Specific and General Conditions therein. The amended EC shall include all the CER details approved earlier in the 149th SEAC meeting. It includes Implementation of drinking water scheme to the local population for a total amount of Rs. 15.60 lakh in Pathaikara Village in addition to the already agreed and committed proposals (i) supply of specific equipments to W & C hospitals Ponnani at a cost of Rs. 50.07 Lakh and (ii) converting the schools in Ponnani Constituency to smart classes (165 nos) at a cost of Rs. 1.25 Cr.**

Item No.10 **Environmental Clearance for the Proposed Granite Building Stone Quarry Project of Sri. Vinod Bhaskar, for an area of 0.5910 Ha at Re-Survey no.391/5/4/10 in Varappetty Village, Kothamangalam taluk, Ernakulam. (SIA/KL/MIN/463487/2024)**

As invited the project Proponent Sri. Vinod Bhaskar, RQP Sri. C. Balaraman and Consultant Vikas Thripadhi from M/s. Parivesh Environmental Engineering Services were present. The EIA Consultant made the presentation. **Based on the discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. The complete study/details/documents of the following ToR conditions:
 - a. ToR 8 (slope study),
 - b. ToR 18 (Biodiversity assessment of 10km radius),
 - c. ToR 22 (mineralogical composition -silica of particulate matter),
 - d. ToR 28 & ToR 30 (ground water level details).
2. Revised EMP prepared by a NABET Accredited agency including mine closure plan
3. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP (C) No. 30737 of 2022 and 4655of 2024 dated 19-04- 2024.
4. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded in the SEIAA website.

Item No.11 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Sukumaran K, President, Ottappalam Taluk Karinkal Quarry Operators Industrial Co-Operative Society Ltd. for an area of 0.9287 Ha at Re Block No.33,Re-Survey No. 367/1-1 in Ongallur 2 Village, Pattambi Taluk, Palakkad District.(SIA/KL/MIN/466574/2024)**

As invited the Project Proponent, Sri. Sukumaran K, President, Ottappalam Taluk Karinkal Quarry Operators Industrial Co-Operative Society Ltd and RQP VK Roy were present. The RQP made the presentation. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Revised Compensatory afforestation plan with the geo-tagged photographs of the proposed area and the consent of the landowner.
2. Comprehensive EMP prepared by a NABET Accredited consultant.
3. Revised CER proposal as per the guideline published in the SEIAA website.
4. Specific protection plan for adjacent quarries
5. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19-04- 2024.

6. Drone video of the project site and surrounding areas within a 500m radius as per the Guidelines uploaded on the SEIAA website.

Item No.12 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Moideenkoya. M, for an area of 0.0938 Ha at Block No. 17, Re- Sy No. 1/1-2 in Cheekode Village, Kondotty Taluk, Malappuram District. (SIA/KL/MIN/473287/2024)

As invited the project proponent, Sri. Moideenkoya. M and the RQP Sri. D. P. Sreekumar were present. The RQP made the presentation. As per the application, the total targeted production is 12,897.5 MT. The life of mine is 1 year. The project cost is 10 lakhs. The depth to water table is 8m bgl at 109 m AMSL. As per the presentation, the Cluster Certificate dated 11.04.2024 states that, there was an authorised working quarry with an area of 0.8053 Ha within 500m radius. The high hazard zone is located at a distance of 12.27 km and the Moderate hazard zone is at distance of 135.68m. The distance to the nearest built structure is 184.43 m. **Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:**

1. Depth of mining should be limited to 4m bgl.
2. There should not be any transportation of mined out materials through the Mudakoimala road.
3. Proper drainage facility proposed should be maintained to avoid any stagnation of water in the pit.
4. The excavation activity 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 agriculture and other useful purposes.
8. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
9. Measures should be taken to prevent dust emissions 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 the excavation of earth.
11. Workers/laborers 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 the 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 5.00 pm).
19. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.13 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Shine S.R, for an area of 0.5554 Ha at Block No. 2, Re-Sy No. 707/1, 713/1, 713/3, 714/1-2, 714/1-3, 714/2 in Sooranadu North Village, Kunnathur Taluk, Kollam District. (SIA/KL/MIN/425683/2023)

As invited the Project Proponent, Sri. Shine S.R and RQP VK Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 13,945.6 MT. The life of mine is 2 years. The project cost is 8.15 lakhs. The depth to water table is 6m bgl at 3m AMSL. As per the presentation the, distance to nearest housed is 52.5m. The elevation difference of the area as per the surface geological section is 10.5-8.5m MSL. The PP reported that the two farm houses one inside and one just outside the permit area have been demolished and the photographs shown as proof. The medium hazard zone is located at a distance of 29km and high hazard zone is located at a distance of 35km. **Based on discussion, the Committee decided to recommend EC for mine life of 2 years subject to the following Specific Conditions in addition to the General Conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.

10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. 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.
12. 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.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
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 5.00 pm).
16. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.14 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Muhammed Nishad.P, for an area of 0.798244 Ha at Re- Sy No. 33/1033, 33/1032,33/1076, 33/1079,33/1078 in Kakkad Village, Kozhikode Taluk, Kozhikode District (SIA/KL/MIN/472280/2024)

As invited the Project Proponent Sri. Muhammed Nishad. P and the RQP Sri. D. P. Sreekumar were present. The RQP made the presentation. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Revised CER proposal as per the guidelines published in the website of SEIAA.
2. Comprehensive EMP prepared by a NABET Accredited consultant considering the adjacent quarries.
3. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website.
4. Close up photographs of the vertical walls of adjacent mined pits.

Item No.15 Environmental Clearance application for the Laterite Building Stone Quarry Project of Sri. Manoj Kumar Karuvath, for an area of 0.1942 Ha Block No. 109 at Re-Survey No.53/207, 53/208, in Kandamkunnu Village, Thalassery Taluk, Kannur (Proposal No. SIA/KL/MIN/480425/2024)

As invited the project proponent Sri. Manoj Kumar Karuvath and the RQP VK Roy were present. The RQP made the presentation. The proposed production is 24,275 MT. The depth to water table is 8m bgl. The depth of mining proposed is 6m bgl. The nearest house is located at

101m. Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. 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.
12. 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.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
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 5.00 pm).
16. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.16 Environmental Clearance application for the Laterite Building Stone Quarry Project of Sri. Subair A. P., for an area of 0.0971 Ha. at Block No. 64, Re-Survey No. 100/9606 in Thimiri Village, Thaliparamba Taluk, Kannur (Proposal No. SIA/KL/MIN/482092/2024)

As invited the project proponent Sri. Subair A. P. and the RQP VK Roy were present. The RQP made the presentation. The proposed production is 13,351 MT. The depth to water table is 9m bgl. The depth of mining proposed is 6m bgl. The nearest house is located at 65m. **Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. 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.
12. 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.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
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 5.00 pm).
16. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining

Item No.17 Environmental Clearance application for the Laterite Building Stone Quarry Project of Sri. Vijina T., for an area of 0.1983 Ha at Block no. 7, Re-Survey No. 75/110 in Perinthatta Village, Payyannur Taluk, Kannur (Proposal No. SIA/KL/MIN/482690/2024)

As invited, an authorised person Sri Suresh K and the RQP VK Roy were present. The RQP made the presentation. The proposed production is 27,266 MT. The depth to water table is 8m bgl. The depth of mining proposed is 6m bgl. There are no houses within 50m from the project boundary. **Based on discussion, the Committee decided to recommend EC for mine life of 2 years subject to the following Specific Conditions in addition to the General Conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.

3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. 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.
12. 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.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
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 5.00 pm).
16. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining

Item No.18 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Abdul Basheer V.P, for an area of 0.9579 Ha at Block No. 34, Re-Sy No. 38/10, 46/10, 46/12, 38/12,46/14 in Atholi Village, Koyilandy Taluk, Kozhikode (SIA/KL/MIN/469633/2024)

As invited, the Project Proponent Sri. Abdul Basheer V.P and RQP Shri. D.P. Sreekumar were present. The RQP made the presentation. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Revised Compensatory Afforestation plan.
2. Revised CER proposal as per the guideline published in the website of SEIAA.
3. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded in the SEIAA website.
4. Close up photographs of the vertical walls of adjacent mined pits.

Item No.19 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Ajmal Thodengal, for an area of 0.5245 Ha at Block No. 04, Re-Sy No. 101/2-3,101/2-7 in Vadakkangara Village, Perinthalmanna Taluk, Malappuram District. (SIA/KL/MIN/475256/2024)

As invited the project proponent, Sri. Ajmal Thodengal and the RQP VK Roy were present. The RQP made the presentation. The proposed production is 72,119 MT. The depth to water table is 10m bgl. The depth of mining proposed is 6m bgl. There are no houses within 50m from the project boundary. **Based on discussion, the Committee decided to recommend EC for mine life of 2 years subject to the following Specific Conditions in addition to the General Conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area.
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. 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.
12. 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.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
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 5.00 pm).
16. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.20 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Shoukathali, Thengasser House, Chunkam, Punnathala P.O, Malappuram for an area of 0.4008 Ha at Block No. 04, Sy No. 119/8-37 in Puzhakkattiri Village, Perinthalmanna Taluk, Malappuram. (SIA/KL/MIN/484487/2024)**

As invited, the project proponent Sri. Shoukathali and the RQP VK Roy were present. The RQP made the presentation. The PP submitted photographs showing the demolished built structures near the proposed site. The production proposed is 55110 MT and the life of mine is 3 years. The depth of mining proposed is 6m bgl and the depth to water table reported is 8m bgl. The site is in the summit portion of an isolated midland hill and moderate hazard zone is located 55m away from the proposed site. The stagnation of water in the pit will not be desirable in the site. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded in the SEIAA website.
2. Close up photographs of the vertical walls of adjacent mined pits.
3. Detailed drainage plan to ensure total draining out of water from the mine pit

Item No.21 **Environmental Clearance for the Ordinary Earth Excavation Project of Sri. Kuriakose, for an area of 76.10 Ares (0.7610 Ha) at Sy No. 227/1-37, 227/1-8, 227/1-8-2 in Valakam Village, Muvattupuzha Taluk, Ernakulam District. (SIA/KL/MIN/482927/2024)**

As invited, an authorised person Sri. AN Gangadharan and the RQP C Balaraman were present. The RQP made the presentation. The proposed quantity of extraction is 27512 MT and the mine life is 1 year. The elevation of the site varies from 60m to 82m and the depth of extraction is reported to be 2m in certain portion and 4m in the remaining portion. There is a house at 15.6m on the northern side and a private road at 15.6m on the southern side. It is noted that there is a proposal to extract ordinary earth from the adjacent area. The depth to water table is reported as 8.5m bgl. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Work order from the Client/End user of the material.
2. Pre-feasibility report
3. Specific impacts of extraction on the adjacent built structures, buildings and roads and mitigation measures for the adverse impacts
4. Comprehensive EMP considering the adjacent site proposed for extraction of ordinary earth and including CER proposal
5. Plan for compensatory afforestation

6. Access road details to the house of Paulose at a distance of 15.2m from the boundary of the project area.
7. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded in the SEIAA website.

Item No.22 Environmental Clearance for the Ordinary earth mining Project of Sri. Mathewkutty. T M, for an area of 0.99 Ha at Block No. 49, Sy No. 254/7,254/7-3, in Aikaranad South Village, Kunnathunadu Taluk, Ernakulam District. (SIA/KL/MIN/481172/2024)

As invited the project proponent Sri. Mathewkutty. T M and the RQP Sri. DP Sreekumar were present. The RQP made the presentation. The proposed quantity of extraction is 55440 MT and the mine life is 2 year. The elevation of the site varies from 47m to 61m and the average depth of extraction is reported to be 2.8m. There are buildings within 50m from the project boundary. The depth to water table is reported as 5m bgl. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Work order from the Client/End user of the material.
2. Specific impacts of extraction on the adjacent built structures, buildings and roads and mitigation measures for the adverse impacts
3. Plan for compensatory afforestation, preferably in public spaces
4. Plan for top soil conservation
5. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded in the SEIAA website.

Item No.23 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Musthafa, Palaiyil Thottolil House, Puthur Pallikkal P.O, Malappuram for an area of 0.1942 Ha at Block No. 06, ReSy No. 22/10-4 in Vazhayur Village, Kondotty Taluk, Malappuram. (SIA/KL/MIN/484756/2024)

As invited, the project proponent Sri. Musthafa and the RQP VK Roy were present. The RQP made the presentation. The production proposed is 24275 MT and the life of mine is 1 year. The depth of mining proposed is 6m bgl and the depth to water table reported is 8m bgl. The site is in the summit portion of an isolated midland hill and the River Chaliyar is located about 250m from the proposed site. The stagnation of water in the mine pit will not be desirable in the site. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website.
2. Close up photographs of the vertical walls of adjacent mined pits, if any.

3. Detailed drainage plan to ensure total draining out of water from the mine pit

Item No.24 Environmental Clearance application for the Laterite Building Stone Quarry Project of Sri. Prakasha B., for an area of 0.0971 Ha at Survey Nos.677/4PT3 in Panayal Village, Hosdurg Taluk, Kasaragod. (Proposal No. SIA/KL/MIN/483611/2024)

As invited, the project proponent Sri. Prakasha B and the RQP A. Mahammad Kunhi were present. The RQP made the presentation. As per the application, the total mineable reserve is 5767 MT. The life of mine is 1 year. The project is 10 Lakhs. The elevation difference of the proposed area is 97 m to 96 m AMSL. Nearest built structure is located a distance of 62.1 m. As per the Cluster Certificate dated 13.03.2024 there are no permitted working quarries within the 500m radius. The high hazard zone is located at a distance of 10.30 km and the distance to moderate hazard zone is 2.57km. **Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. 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.
12. 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.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.

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 5.00 pm).
16. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.25 Environmental Clearance application for the Laterite Building Stone Quarry Project of Sri. L. K. Abdul Salam, for an area of 0.0971 Ha at Block no. 91 Re-Survey No. 46/514, in Kalliad Village, Iritty Taluk, Kannur (Proposal No. SIA/KL/MIN/485544/2024)

As invited, an Authorised person Sri. Sanooj C and the RQP VK Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 13351 MT. The life of mine is 1 year. The elevation difference of the proposed area is 217 m to 219 m above MSL. There are no built structures within 50m. As per the Cluster Certificate dated 2.4.2024 there is no cluster condition. The site does not fall in landslide hazard zone. The average depth of mining proposed is 5.5m and the depth to water table is 6m bgl. **Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:**

1. The depth of mining should be limited to a maximum depth of 4m bgl considering the depth to water table.
2. The excavation activity should not involve blasting.
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
9. Workers/laborers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
11. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.

14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
17. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.26 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Illyas.M, Moozhikkal House,Veemboor, Mariyad P.O, Narukara Village,Ernad Taluk,Malappuram for an area of 0.8098 Ha at Block No.06, Re-Sy No. 244/3-3,243/2,243/3 in Vazhayur Village, Kondotty Taluk, Malappuram. (SIA/KL/MIN/485560/2024)

As invited the project proponent Sri. Illyas. M and the RQP Sri. DP Sreekumar were present. The RQP made the presentation. The production proposed is 89078 MT and the life of mine is 3 years. The average depth of mining proposed is 5.5m bgl and the depth to water table reported is 10m bgl. There is no house within 50m of the project boundary. The site is in the summit portion of an isolated midland hill ridge. The stagnation of water in the mine pit will not be desirable in the site. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded in the SEIAA website.
2. Close up photographs of the vertical walls of adjacent mined pits.
3. Detailed drainage plan to ensure total draining out of water from the mine pit
4. CER details as per the guidelines uploaded on SEIAA website

Item No.27 Environmental Clearance application for the Laterite Building Stone Quarry Project of Sri. Rajesh P, for an area of 0.3885 Ha at Block No. 30, Re-Survey No. 677/101 in Eramam Village, Payyannur Taluk, Kannur (Proposal No. SIA/KL/MIN/486272/2024)

As invited the project proponent **Sri. Rajesh P** and the RQP Sri. VK Roy were present. The RQP made the presentation. The proposed production is 53418 MT. The depth to water table is 8m bgl. The depth of mining proposed is 5.5m bgl. There are no houses within 50m from the project boundary. **Based on discussion, the Committee decided to recommend EC for mine life of 3 years subject to the following Specific Conditions in addition to the General Conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.

3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. 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.
12. 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.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
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 5.00 pm).
16. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining

Item No.28 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Musthafa.P, Pothukandan House, Puthanangadi Post, Angadippuram, Malappuram for an area of 0.3489 Ha at Block No.04, Re-Sy No. 98/3-12,98/3-15 in Aliparamba Village, Perinthalmanna Taluk, Malappuram (SIA/KL/MIN/474534/2024)

As invited the project proponent **Sri. Musthafa. P** and the RQP Sri. DP Sreekumar were present. The RQP made the presentation. The production proposed is 45973 MT and the life of mine is 2 years. The average depth of mining proposed is 5.5m bgl and the depth to water table reported is 8m bgl. There is no house within 50m of the project boundary. The elevation of the site vary from 186m to 190m above MSL. The site is in the summit portion of an isolated midland hill ridge. The stagnation of water in the mine pit will not be desirable in the site. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded in the SEIAA website.
2. Close up photographs of the vertical walls of adjacent mined pits.
3. Detailed drainage plan to ensure total draining out of water from the mine pit
4. CER details as per the guidelines uploaded on SEIAA website

Item No.29 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Dominic, Kaithakottil House, Arakkunnam P.O, Ernakulam for an area of 0.1643 Ha at Sy No. 133/1-2-2 in Edakkattuvayal Village, Kannayannoor Taluk, Ernakulam (SIA/KL/MIN/480699/2024)

The Committee considered the request from the project proponent vide e-mail dated 6th August 2024, to postpone the presentation to the next meeting due to inconvenience of RQP to appear before the Committee. **Hence, the Committee decided to defer the Proposal.**

Item No.30 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Jose, Kallarimyalil House, Chethicode P.O, Kanjiramattam, Ernakulam for an area of 0.2984 Ha at Sy No. 246/1 in Edakkattuvayal Village, Kanayannoor Taluk, Ernakulam. (SIA/KL/MIN/481778/20240)

The Committee considered the request from the project proponent vide e-mail dated 6th August 2024, to postpone the presentation to the next meeting due to inconvenience of RQP to appear before the Committee. **Hence, the Committee decided to defer the Proposal.**

Item No.31 Environmental Clearance application for the Granite Building Stone Quarry Project of Sri. Shaji K. J., for an area of 0.9927 Ha at block no. 084, re-survey nos. 1/3089, 1/5699, 1/3095, 1/5700, 1/5710, 1/3093, 1/3096, 1/5701 in Payyavoor Village, Thaliparambu Taluk, Kannur.(Proposal No. SIA/KL/MIN/451445/2023)

As invited the project proponent Sri. Shaji K. J. and the RQP Sri. VK Roy were present. The RQP made the presentation. The mineable reserve is 1,90,150 MT and the production proposed is 38000 TPA. The mine life is 5 years. The distance to the nearest house is reported as 105m from the project boundary. The depth to water table in the area is about 10m bgl. The site elevation, as given in the mine plan and other documents, is 45-85m above MSL. As per the google imagery, the elevation vary from 450m to 500m above MSL. The site falls on a very high hill ridge of the western ghat region with a maximum height of around 700m above MSL.with very steep slope. The land use of the area is given as barren land in the application which seems to be incorrect. The land is found having good canopy cover as per the google imagery. The

proposed area falls in the moderate hazard zone and the high hazard zone is located around 200m. As per the Cluster Certificate dated 10/03/2023, there is another quarry having an area of 3.9164 Ha within the radius of 500m and altogether having an area of almost 5 ha (4.9091 Ha). Considering the mining area within the cluster and the environmental sensitivity and ecological vulnerability of the area, the Committee recalled the observation of the 167th meeting of the SEAC that it is desirable to have a detailed EIA study. The documents submitted along with the application and during the presentation, the Proponent and the RQP submitted false and misleading information with respect to the land use of the proposed site and the elevation of the site. Further, the environmental sensitivity and ecological vulnerability of the area is very high as understood from the details submitted along with the application that necessitate invoking of Precautionary Principle. **The Committee discussed these aspects in detail and decided to recommend rejection of the proposal for environmental clearance.**

Item No.32 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Pulliyil Madasseri Alavi, for an area of 0.5900 Ha at Block No. 08, Re-Sy No. 1557/6, 1557/7, 1557/3, 1557/4 in Melmuri Village, Eranad Taluk, Malappuram District. (SIA/KL/MIN/475265/2024)

As invited the project proponent and the RQP Sri. VK Roy were present. The RQP made the presentation. The project proposes to extract 81125 MT of laterite during the mine life of 2 years. The elevation of the site varies from 140 to 142m above MSL. The average depth of mining is reported as 5.5m. There are no houses within 50m distance from the project boundary as per the survey map. The moderate hazard zone is at a distance of about 900m. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded in the SEIAA website.
2. Close up photographs of the vertical walls of adjacent mined pits.
3. Detailed drainage plan to ensure total draining out of water from the mine pit
4. The Compensatory Afforestation plan proposed is in a vegetated area, and hence an alternate area for the compensatory afforestation with geo-tagged photographs and consent of the land owner is to be provided.
5. CER details as per the guidelines uploaded on SEIAA website

PARIVESH FILES (Ver-2)

PART-2

Item No.01 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Sri P M Ibrahim, Managing Partner, M/s. Southern Granites, for an area of 4.6057 Ha at Re-Survey Nos 327/3, 328/2, 328/4, 329/4, 328/5, 330/5 & 329/3 in Peringome Village, Payyanur Taluk, Kannur. (SIA/KL/MIN/ 457699/2024)**

The Committee scrutinized the additional documents submitted by the Project Proponent. As per the request letter dated 16.07.2024, the PP intimated that there is one more proposed quarry of M/s. Perigome Stone Crusher within the 500m Cluster and they had already prepared the Combined EIA and EMP which includes the details of all the three cluster quarries. Since the M/s. Perigome Stone Crusher already conducted a Combined EIA study and public consultation for the same cluster area the PP requested to exempt them from the EIA study. The Committee noticed that as per letter No. SIA/KL/MIN/429866/2023, 2272/EC4/2023/SEIAA dated 02.09.2023 to M/s. Peringome Stone Crusher, ToR was issued to submit the EIA study report by considering the impact of adjacent quarries. However, the ToR letter does not specifically mention the name of the proposed quarry. The Committee also observed that the EIA report of M/s. Peringome Stone Crusher is for an area of 2.9188 Ha (file No. SIA/KL/MIN/473115/2024. During the public consultation, there was apprehension regarding the consideration of the activities of M/s. Southern Granites while doing the EIA studies. In the EIA report, the production details of M/s. Southern Granites are found mentioned. But it is not clear whether all the the project details of M/s. Southern Granites, having an area of 4.6057 Ha is taken into consideration while doing the impact assessment and preparing environmental management plan of M/s. Peringome Stone Crusher which is having an area of 2.9188 Ha only. M/s. Southern Granite fall in the cluster of M/s. Peringome Stone Crusher. There are at least two major quarries in the southern part of M/s. Southern Granites which fall in the cluster of M/s. Southern Granites, but not in the cluster of M/s. Peringome Stone Crusher for which EIA and Public consultation was done. **Considering all these, the Committee decided to entrust Dr. R. Ajayakumar Varma and Mr. S. Sheik Hyder Hussain to examine the averment made by the Project Proponent to exempt the proposal from the EIA study and Public Consultation and submit a report based on the provisions contained in the EIA Notification, 2006 and its various amendments and Order of the NGT dated 13.9.2018.**

Item No.02 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Rajesh P. A., for an area of 0.1944 Ha at Block No.70, Re-Survey No.63/602 in Nediya Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/471844/2024)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. As per the application, the quantity proposed for mining is 26,730 MT. The life of mine is 2 years. The highest elevation of the proposed area is 150MSL and the lowest elevation is 149MSL. The depth to water table is 6m bgl as given in the Mining Plan. The average thickness of laterite is 5.5m. The Cluster certificate dated 03.01.2024 states that there is no quarry within a 500m radius. The project cost is Rs. 6,97,700. The distance to the high hazard zone is 8.1 km and the distance to medium hazard zone is 2.25km. A shed is located at a distance of 159.7m from the proposed area. **Based on discussion, the Committee decided to recommend EC for mine life of 2 years subject to the following Specific Conditions in addition to the General Conditions:**

1. The depth of mining should be limited to 4m bgl considering the depth to water table.
2. The excavation activity should not involve blasting.
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
9. Workers/laborers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
11. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented within 6 months from the date of EC.

16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
17. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.03 **Revalidation of Environmental Clearance for Granite Building Stone quarry project of Sri. Vinu Mani, Managing Partner, M/s. Paramount Granites at Sy. Nos. 223 pt, 223/2, 223/6 pt, 118/14 pt, & 118/15 in Vandazhi - I Village, Alathur Taluk, Palakkad.**
(Old Proposal No. SIA/KL/MIN/308007/2024, 664/SEIAA/ EC1/ 5179/ 2014) (New Proposal No. SIA/KL/MIN/482844/2024)

The Committee examined the revalidation application and scrutinised the documents submitted by the Project proponent. The Committee noted that the 164th SEAC meeting, recommended EC. As per EC No. 664/SEIAA/EC1/5179/2014 dated 18/08/2017, the maximum production capacity was 3,00,000 TPA with a mine life of 7-8 years. As per the lease order the annual production proposed is 2,60,000 MT for about a period of 6 years. As per the Scheme of Mining dated 25.08.2023, the life of mine is about 15 years. As per the revised mining plan, the proposed project area is 3.8669Ha. The total project cost is 4 crore. The balance mineable reserve is 14,94,523 MT with an annual production of 1,00,000 MT. The distance to the nearest house is 72.6m. The highest elevation of the proposed area is 115m above MSL and the lowest elevation is 100m above MSL. The mining is proposed up to 70m above MSL. The depth to water table is 8.2m bgl. The subcommittee conducted a field inspection on 27/09/2022. The 164th SEAC meeting recommended EC for 12 years. Due to technical issue, the proposal in PARIVESH 1.0 was unable to be placed before the SEIAA. The proponent now submitted fresh application in PARIVESH 2.0 and the 167th SEAC meeting held on 22nd June 2024 examined the application and noted that all the documents submitted/attached earlier when the project was considered earlier is not found uploaded in the Parivesh 2.0 portal. The PP having reported submission of the documents, the Committee verified the documents submitted. It is observed that the PP has not submitted the cluster certificate. **Therefore, the Committee decided to direct the PP to submit the Cluster Certificate.**

Item No.04 **Environmental Clearance for Granite Building stone quarry of Sri. N. Suresh at Block No. 21, Re-Survey Nos.112/10, 112/11 & 112/20 in Erimayur-1 Village, Alathur Taluk, Palakkad District, Kerala for a Mine Lease (ML) area of 0.5889 ha. (SIA/KL/MIN/463613/2024)**

The Committee scrutinised the additional documents submitted by the Project Proponent and found them satisfactory. As per the additional document submitted, the depth to water table is 8m bgl. **Based on the discussion the Committee decided to direct the Project Proponent to**

submit NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024.

Item No.05 Environmental Clearance for the Granite Building Stone Quarry of Sri. Syju Lekshman for an area of 4.998 Ha at Block no. 41, Survey Nos. Re-Survey Nos. 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 District. (SIA/KL/MIN/469043/2024)

The Committee examined the proposal in detail and noted the decision of 167th SEAC meeting. In the previous meeting the Committee entrusted the sub Committee to evaluate the EIA report and to conduct a field inspection, but this decision was unable to be uploaded in the Parivesh portal due to technical issue. The Field inspection was conducted by the Sub Committee members consisting of Dr. Mahesh Mohan and Smt. Beena Govindan and it should be uploaded in the Parivesh Portal. **In this circumstance, the Committee decided to recommend to upload the previous decision taken in the 167th SEAC meeting. The Committee also noted the mass petition against the proposed quarry filed by the Secretary, Action Council, Chadayamangalam Village and decided that the same has to be examined along with the Field Inspection Report.**

Item No.06 Re-appraisal of EC issued by DEIAA for the Granite Building Stone Quarry Project of Sri. O Akhil, M/s Pallickaparambil Granite Works, for an area of 3.9271 Ha at Re- Sy No. 172/(Pt) in Kodyathoor Village, Kozhikode Taluk, Kozhikode District. (SIA/KL/MIN/468790/2024)

The Committee examined the proposal in detail and observed the following documents as per the OM dated 28.04.2023 are not submitted/incomplete.

1. Original Approved Mining Plan.
2. Approval of the District Level Crisis Management Committee as the project site falls in medium hazard zone.
3. Proposal of re-grassing the mining area and any other area which may have been disturbed due to the mining activities and restoring the land to a condition which is fit for growth of fodder, flora, fauna etc. in compliance to the direction dated 8th January 2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No.114/2014, Common cause vs Union of India & Ors.
4. Latest CCR from the IRO, MoEFCC, Bangalore.
5. CER is inappropriate.

6. Compensatory Afforestation Plan showing the Site Plan, geo-tagged photograph of the proposed site and species proposed to be planted.
7. Compliance to the Hon'ble Supreme Court judgment dated 2.08.2017 passed in Common Cause Vs Union of India in WP(C) 114 of 2014.
8. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024.

The cluster certificate dated 11.1.2022 stated that there is an abandoned quarry of area 9.2995 Ha within 500m radius of the proposed site which seems to be not closed. The Committee also observed other quarries within the cluster as per the KML file. **Therefore, Considering the Cluster situation, the Committee decided to direct the PP to submit application for ToR for EIA study.**

Item No.07 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Tony Nirmal. Managing Director. M/s Rock Shell Granite and Sands Pvt. Ltd., for an area of 0.8852 Ha at Block No.2, Survey No.189/1 in Vaniyamkulam-2 Village, Ottappalam Taluk, Palakkad District. (SIA/KL/MIN/472780/2024)

The Committee examined the proposal and discussed it in detail. The Committee observed the following shortcomings.

1. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded in the SEIAA website.
2. Comprehensive EMP prepared by a NABET accredited agency.
3. Photographs showing the current status activity proposed for CER.
4. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024.

Based on the discussion, the Committee decided to invite the Proponent for presentation. The presentation shall also address the shortcomings.

Item No.08 Environmental Clearance for the proposed Granite Building Stone Quarry Project of Sri Muhammed Ali for an area of 4.9876 ha at Block no. 37, Re-Sy. No. 9/1, 9/2, 9/3, 9/4, 9/4-2, 9/4-3, 9/5, 9/6, 10/1-1, 10/1-2, 10/1-3, 10/2-1, 10/3-1 in Oorakam Village, Thirurangadi Taluk, Malappuram. (SIA/KL/MIN/460888/2024)

The Committee examined the proposal and discussed the field inspection report conducted on 21.5.2024. **Based on the above observations and discussion, the Committee decided to**

direct the Proponent to submit the following additional documents for further appraisal of the application:

1. Approval of the District Level Crisis Management Committee is to be submitted considering the nearness to the Medium hazard zone.
2. The Oorakam area, in general, and the impact zone of the proposed project site, in particular, have large number of operational and abandoned quarries. Therefore, it is necessary to capture the carrying capacity of the impact zone to understand the environmental feasibility of the site and hence the same should be assessed and submitted.
3. Recent survey map with the distance to the built structures as the one submitted is of 2019.
4. Detailed compliance statement in Tabular form for the approved ToR for the project as the one given in the EIA report is incomplete and shows compliance of only a few
5. Revised EIA report incorporating the response of the Proponent regarding the complaints received and mitigation plan, if any required.
6. Boulder management plan conducive to the project site
7. Response regarding the maintenance of buffer zone from BP 11 to BP 13, where mining has already been done as part of old abandoned quarry
8. Existing transportation carrying capacity of the connecting roads to the proposed site and the impact of the transportation due to the proposed quarry.
9. Risk and hazard potential involved in the proposed channelization of runoff to a large reservoir to be constructed in the lower contour in the S & NW direction of ML area, as stated in the EIA report.
10. Plan for maintaining 50m buffer between the proposed project boundary and the built structures. As per google map, there is one built structure seen at 20m and there may be more built structures within 50m and 100m.
11. Details of the proposed garland drains, silt traps & settling pond
12. Details of the proposed connectivity of overland flow to natural drain
13. Source of water proposed and its yield characteristics
14. A time bound Progressive Greenbelt Development Plan, prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame), to be executed prior to the commencement of the project
15. Compensatory afforestation plan along with geo-tagged photograph of the proposed site, land ownership details and species proposed to be planted
16. Details of the proposed location for storage of overburden and top soil and their protection plan including the location depicted in a plan map.
17. Specific safeguard measures with respect to ToR 8
18. Compliance to the ToR regarding the vibration study as there are four major operational quarries and the vibration impact is expected to be very large.

19. Signed MoU of all the mine owners in the impact zone regarding the time schedule that they will follow for blasting with adequate time gap and sworn combined affidavit that they will comply with the MoU strictly and that they will adopt only NONEL method for blasting.
20. Impact on the local transport infrastructure due to the project including projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area), indicating whether it is capable of handling the incremental load, arrangement for improving the infrastructure, if contemplated based on Impact of Transportation study conducted as per Indian Road Congress Guidelines.
21. Details of the onsite shelter and facilities to be provided to the mine workers which should have been included in the EIA Report
22. Conceptual post mining land use and Reclamation and Restoration of mined out areas which should have been included in the EIA Report.
23. Occupational Health impacts of the Project anticipated and the proposed preventive measures incorporating details of pre-placement medical examination and periodical medical examination schedules.
24. Detailed and project specific occupational health mitigation measures with required facilities proposed in the mining area.
25. Public health implications of the project and related activities for the population in the impact zone based on systematic evaluation and proposed remedial measures along with budgetary allocations.
26. Detailed proposal for the implementation of Corporate Environmental Responsibility
27. Revised EMP incorporating the plans proposed after addressing all the ToRs
28. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024.

Item No.09 **Environmental Clearance for the Granite Building Stone Quarry project of Smt. Mariyamma Mathew, Managing Partner, M/s Valiyakalathil Rock Crushing Unit, for an area of 1.2047 Ha at Block No. 40, Re-Survey Nos. 438/7 in Pampady Village, Kottayam Taluk, Kottayam (SIA/KL/MIN/460544/2024)**

The Committee examined the proposal and discussed the field inspection report conducted on 26.06.2024 and noted the following salient aspects in the field.

1. Nearby quarry operated with SEIAA EC dt. 01.06.2016.
2. Mine closure plan submitted
3. CCR not submitted
4. Own house is situated near 10m.
5. Crusher (42.5m) and office building (17m) is within 50m from the project boundary

6. Water level in the near by quarry is at 60m msl and no ground water seepage was observed along the vertical cut. Hence the mining can go up to 60m amsl
7. Require fencing at BP1-BP2 and BP5-BP1.

Based on the above observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application:

1. Cluster Certificate from the Mining and Geology Department considering all the working quarries, quarries that are not issued mine closure certificate and the projects for which LoI is issued in the 500m radius
2. Revised CER proposal as per the SEIAA guideline.
3. Detailed drainage plan.
4. Geo-tagged photograph of OB dump site with plan for protection.
5. Detailed compensatory afforestation plan along with geo-tagged photographs of the site, species proposed to be planted and ownership details of the land as the site proposed is vegetated.
6. Modified EMP prepared by NABET accredited Consultant.
7. Revised Project Cost
8. CCR from MoEF Regional Office, Bangalore
9. Plan for haulage road development
10. Clarification for the house/building near to BP2.

Item No.10 Environmental Clearance for the Building and Construction project, M/s KGA International Trades Pvt. Ltd. of Sri. K.C. Eapen at Survey Nos. 56/67, 28/65, 29, 51/2, 3, 4, 5, 6 & 9 in Block 105 & Survey Nos. 4/1 in Block 104 in Vazhappally East Village, Changanassery Taluk, Kottayam (SIA/KL/INFRA2/460048/2024)

The Committee examined the proposal and discussed the field inspection report conducted on 06.06.2024. **The Committee decided to seek clarification regarding the approval for the change in design from the Town Panning Department. Based on discussion, the Committee decided to invite the Proponent for presentation and shall include the clarification from the town planner. The PPT shall also be uploaded in the Parivesh portal.**

Item No.11 Transfer EC Application submitted by Jilmon John, Managing Director of M/s Gimsak Developers Pvt for the Granite Building Stone Quarry Project for an area of 2.2430 hectares at Re Survey No- 163/1,163/2, (Block No.30) in Aalakkod Village, Thodupuzha Taluk, Idukki District, Kerala. (SIA/KL/MIN/480272/2024).

The Committee examined the transfer of EC application submitted by Sri. Jilmon John. As per the application, the EC (File No. No.1388/EC2/2019/SEIAA) was issued dated 04.08.2020 for an area of 2.2430 Ha valid up to 03.08.2025. Now, the EC holder requested to transfer the same in the name of Jayesh Thomas, Director of M/s Gimsak Developers Pvt Ltd. The Committee noted that the quarry was inspected upon complaints and there are violations of EC conditions. The 166th meeting of the SEAC discussed the field inspection report conducted on 26.3.2024 and highlighted that five out of seven specific conditions and 7 out of 18 general conditions are not fully complied. Subsequently, the 146th meeting of the SEIAA decided the following:

1. Issue show cause notice for cancellation of EC, quoting the non-compliance of the EC conditions as specified in the field inspection report. The Project Proponent shall submit explanation for the notice within 15 days from the date of receipt of the notice. Copy of the field inspection report shall also be provided to the Project Proponent.
2. The Mining & Geology Department shall assess the over extraction, if any, and take appropriate action including penalization for the violation of KMMC Rules 2015.
3. The Kerala State Pollution Control Board shall constitute the Joint Committee as suggested under Agenda item no 5 to assess the environmental damages for the violation of EC conditions and over extraction and submit the report within three months months.
4. The Project Proponent is directed to comply the following on priority basis:
 - a. Shift the entire top soil and mine waste that is haphazardly dumped, to the designated location and provide adequate protection to the dump site.
 - b. Construct the garland drain, silt traps, siltation pond, collection tank, and outflow channel to the natural drain. Frequent de-siltation should be carried out to prevent the water pollution of surface water.
 - c. Remove the boulders on the hilltop and hill slope without causing any accidents.
 - d. Comply all other non-complied and partially complied specific and general EC conditions within 3 months and submit the report.

In these Circumstances, the Committee decided to recommend transferring the EC application subject to all the liabilities arising due to non-compliance of the original EC holder.

Item No.12 ToR Application for the Proposed “Poringalkuthu Small Hydro-Electric Project-Stage II (1x24 MW)” by M/s Kerala State Electricity Board, Kerala in Athirapally Panchayat, Mukundapuram Taluk, Thrissur district of Kerala state. (SIA/KL/RIV/473315/2024)

The Committee examined the proposal and discussed it in detail. As per the application, The proposed “Poringalkuthu Small Hydro-Electric Project (1x24MW)” envisages utilization of the excess water which otherwise spill from the existing Poringalkuthu reservoir, with integrated operation of other power stations drawing water from the same reservoir viz., Poringalkuthu Left Bank Scheme (4x9MW), Poringalkuthu Left Bank Extension Scheme (PLBE) (1x16MW) and Poringalkuthu SHEP Stage I (1x24MW). The proposed scheme will draw water from the penstock common for the proposed scheme and Poringalkuthu SHEP Stage I (1x24MW) up to the bifurcation point located upstream of Valve house. From the bifurcation, new penstocks and valve house have to be constructed to convey water to the surface powerhouse common for Stage I & II schemes thus the water proposed to be used for Stage–II will also be discharged into the same river through a tailrace. The power generation for Stage–II is proposed by employing a Vertical Francis turbine with generator of 24MW capacity and an average annual generation of 53.8473 MU in 75% dependable year (monsoon) and peak hour generation in summer utilizing an average net head of 170m which incidentally is slightly more than the computed 33-year annual average energy (49.26MU). The capacity of proposed hydroelectric project is 1 x 24 MW. The total storage under the scheme is 32 MCM. The existing full reservoir level is 424 m. The Project cost is Rs. 8014.13 lakh. The elevation of the dam is at 424m AMSL. **Based on discussions, the Committee decided to recommend Standard ToR under Category ‘B’ of Schedule 1(c) (River Valley & Irrigation Projects), as per the EIA Notification, 2006 with following additional studies:**

- i. Uninterrupted ecological flow of at least thirty percent of the rivers flow in lean season, till a comprehensive study establishes individual baselines for each project
- ii. A cumulative study that assesses the impact of each project on the flow pattern of the rivers and forest and biodiversity loss.
- iii. The minimum distance between one project and the other is maintained at three kilometre and not more than fifty percent of the river basin is affected at any time,

Item No.13 Extension of Environmental Clearance issued by SEIAA for the Granite Building Stone Quarry Project of Sri. Najeed Hassan N for an area of 5.0878 Ha at Re Sy. Nos: 25/2, 37/3, 38/3, 38/4 & 38/11 of Muthuthala Village, Pattambi Taluk, Palakkad District. (SIA/KL/MIN/478610/2024)

The Committee examined Extension of the EC application in detail. As per the EC No. 1167/EC/SEIAA/KL/2017 dated 17.03.2018, the EC was issued to Sri. Najeed Hassan N for an area of 5.0878 Ha valid up to 16.03.2023. It is noticed that the lease was executed on 19.01.2023.

The project proponent has submitted the CCR issued from the IRO, MoEFCC Bangalore. The Committee noted the following shortcomings.

1. CER proposal is not clear and is not as per the guideline published on the SEIAA website.
2. Scheme of mining/ Certificate from the Mining and Geology Department stating the quantity so far extracted and the balance quantity is not submitted.

The Committee noted that the area of the proposed project is more than 5Ha and therefore, EIA study and public consultation is necessary as per the notification. **Therefore, the Committee decided to direct the PP to submit application for ToR for EIA study.**

The Project proponent vide letter dated 31.07.2024 request to extent the validity of the EC for the lapsed period due to delay in execution of lease or till the life of mine as per the decision of the SEIAA in its 127th meeting. The SEIAA in its 127th meeting decided that “in order to avail the benefit of lapsed period due to delay in the execution of lease / permit, the project proponents with valid EC should also apply online in the Parivesh Portal for modification of EC with valid documents such as Lease / Permit deed or details, HYCR, CCR, etc”. **The Committee decided to refer the request of the Proponent to the SEIAA for a decision.**

Item No.14 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Gurudeeksha L, M/s. Chaprayil Granites Pvt. Ltd., for an area of 4.9500 Ha at Block No. 39, Re-Survey Nos. 173/4-7, 173/4-16, 176/1, 176/1-3, 177/1, 177/1-2, 177/1-3, 177/1-4, 177/1-5, 177/1-6, 177/1-7, 177/3, 177/5, 177/6, 177/6-2, 178/3, 178/3-2, 178/4, 178/5 in Chadayamangalam Village, Kottarakkara Taluk, Kollam District. (SIA/KL/MIN/460718/2024)

The Committee examined the proposal in detail and discussed the complaint filed by Sri. Navas M I dated 05.06.2024 against the proposed project. The Complainants claims that the data in the EIA reports are forged. There are houses within 50-100m but it is not stated in the reports. The public hearing has not been informed and those attended are residing 2km away from the proposed site. The report does not address waterfalls in the 500m radius. The details for issuing LoI seem to be forged and doubtful since the area is protected for Kallandathani water shed development Scheme. The Committee also discussed the field inspection report conducted on 06.07.2024 and noted the following salient aspects in the field.

1. 84 people attended the public hearing. Only 10 people gave their views and were considered during the preparation of EMP. No specific negative comments were noticed.
2. Traffic study has been conducted
3. NW and SW regions of the proposed quarry are very steep
4. Impact on streams due to OB if not managed properly
5. High quantity of OB is expected and the area given for OB dump is not adequate.
6. The site is 66m away from the plantation forest.
7. Proper compensatory afforestation has to be carried out

8. Siltation ponds and traps have been mentioned, however, no plan has been given
9. Air quality worst-case scenario has been discussed in the EIA report, however no pictorial representation of the modeling done is included in the report.

Based on the above observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application:

- 1) Clarification regarding the statement in Page 23: “Funds have been received for the proposed quarry under the Kalladathani Water Shed Development Scheme for Preventing Soil Erosion and Save Water and this fund have been utilized for the construction of stone walls at the site for preventing soil erosion”.
- 2) Revised project cost incorporating item 13 of the EMP, quarry approach road
- 3) Haulage road development plan as the access road has only 7m width.
- 4) Revised compliance table as the details in the compliance table do not match the contents in the Chapter. For example, ToR 11 is related to OB and its dumping however, no details are found in the respective sections of chapter 2 (2.5.4).
- 5) ToR 34 : The post-mine afforestation (1.708 Ha) is shown in the benches of the quarry. The feasibility of such planting and details regarding the selected plants and planting.
- 6) Alternative plan for compensatory afforestation as the area shown for it in Fig. 2.6 is already vegetated.
- 7) OB and top soil storage area shown in Fig. 2.6 is found to be in lower region, however the subcommittee observed that the proposed site is a valley region affected by surface run off. It is observed in the field that the OB was deposited in the proposed site from the nearby quarry due to surface runoff. During the field visit, the proponent proposed an alternative site near BP 10 and BP 9, however the subcommittee found it unsuitable as the area is very steep and may not be large enough to hold the OB and Topsoil. Also there is a chance of accidents and contamination of nearby natural streams and agricultural areas. Hence, a detailed plan for the storage of the OB and top soil has to be proposed.
- 8) Clarification regarding the EMP cost of Rs. 4,86,59,000/- as it does not include the recurring cost proposed in the EMP.
- 9) Some of the baseline physical parameters (Turbidity and TSS) are higher than the acceptable limit. Proposed plan for improving the water quality and mitigating the impact of proposed mine.
- 10) The wind rose shows that the wind is blown from the NE direction. Accordingly the changes in air quality (PM10 and PM2.5) predicted in populated areas in the SW direction. The prediction shall also consider the fact that the proposed site is located on top of a hill.
- 11) Clarification for limiting the biodiversity assessment only to the site instead of the entire impact zone of EIA study, i.e., 10km radius of the proposed site.

- 12) One of the impacts identified is “Improper management of stormwater and surface runoff.” The slope is on either side of the site that is located on a hill-top and therefore, there should be more than one outflow from the garland drain of the site connecting the natural stream. Also the drainage plan shows that it is starting from BP 6, where the slope is very high and may not be feasible to build silt traps and siltation ponds. A detailed drainage plan with proper number of siltation traps, and siltation ponds should be submitted.
- 13) ToR 8: The NW and SW areas of the proposed sites are very steep and proper slope stability studies of the region have to be conducted.
- 14) ToR 42: One of the possible accidents due to quarrying activity could be sliding of OB material, mainly due to location characteristics and improper management of OB dump. High rainfall enhances such impacts. The rainfall intensity of the proposed region is very high and therefore, a detailed study has to be conducted on the possibility of OB slide in the proposed site.
- 15) ToR 23: Details of air quality modelling done and its spatial map has to be provided.
- 16) EMP has to be modified by incorporating the suggestions / mitigative measures of the above mentioned studies.
- 17) The proposed site has an area of nearly 5 Ha and is the catchment area of various streams nearby. Therefore, the activities in the site will have significant impact on the water environment, which will affect the nearby streams and groundwater regime. The proposed plan for water management is not enough as it will be done after mining. The proponent has to submit a detailed plan to mitigate this impact on the water environment.
- 18) Detailed plan for the utilization of the water harvested in 1.4434 ha.
- 19) Provision for rainwater harvesting during the operation phase
- 20) Detailed measures for energy conservation during the operation phase of the quarry
- 21) Detailed implementation plan for the proposed CER.
- 22) Nonassignment certificate with date.
- 23) Modified Project Cost.
- 24) Revised drainage plan.
- 25) NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon’ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024.
- 26) Response to the Complaint received from Navas MI dated 05.06.2024. The SEIAA Secretariat shall provide copy of the complaint to the PP.

Item No.15 Environmental Clearance for the Granite Building Stone Quarry of Sri. Bijulal D, for an area of 2.4113 Ha at Re-Survey Block No.4, Re-Survey Nos. 199/11-2, 200/2, 200/4, 200/5 in Pattazhy Village, Pathanapuram Taluk, Kollam District. (SIA/KL/MIN/459288/2024)

The Committee examined the proposal in detail discussed the field inspection report conducted on 06.07.2024. The Committee noted that the proposal was rejected earlier by the DEIAA, Kollam due to the objections raised by Pattazhy Grama Panchayath and Kerala Water Authority stating that quarrying can damage the water tank and treatment plant situated adjacent to the proposed quarry. There have also been intervention of Hon. Courts. The Hon'ble High court judgment WA no 89 of 2013, directed to conduct necessary studies as to whether the proposed quarrying in the property will adversely affect and cause damage to the water tank of the Kerala Water authority situated at a distance of around 200mtrs. The NIT, Karnataka submitted a report on 20-05-2014 stating that there is no adverse impact to the water tank constructed by the Government of Kerala, in Pattazhy Village. The Applicant has obtained NOC vide no: PDK-DB3-647/2010 dt:14.11.2021 from the Executive Engineer KWA, project division Kollam stating that KWA does not have any objection for giving permission for quarrying operations comprised in sy.no:237/1(Re.sy.no:199/11-2), 237/2 (Re.sy.no:200/2), sy.no:237/5 (Re.sy.no:200/4) without causing damage to the water tank or water purification plant. Sy.no:236/4 (Re.sy.no:200/5) is not included in the NOC because of the reason that this area is not included in the quarrying operations. The Hon'ble High court vide judgment WA no 496 of 2013 directed the project proponent to obtain prior environment clearance from SEIAA. Subsequently, the proponent obtained NGT order based on which the proponent submitted a fresh application. The Hon. NGT also directed SEIAA to consider the application and pass appropriate orders in accordance with law. The following salient aspects are noted in the field.

1. One cattle shed is near BP10
2. OB dump plan to be revised
3. Drainage plan to be revised
4. CER has to be modified
5. EMP is not prepared by a NABET accredited agency.

Based on the above observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application:

1. Revised OB dump plan
2. Modified drainage plan silt traps and siltation ponds showing connection to nearby natural stream
3. Modified CER as per the guideline published on the SEIAA website
4. EMP prepared by NABET accredited agency.
5. Compensatory afforestation plan with geotagged photographs of the proposed area and the consent of the land owner.

6. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP (C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024.

Item No.16 Environmental Clearance for the Granite Building Stone Quarry of Sri. Nadukkanchira Abdulkasim, Designated Partner, M/S Cruston Aggregates LLP for an area of 0.9995 Ha at Survey Nos. 418/1-2, 418/2-1, 418/3-1, 418/3-2, 418/4, 418/5, 418/6, 418/7 in Kulukkallur Village, Pattambi Taluk, Palakkad District. (SIA/KL/MIN/464787/2024)

The Committee examined the proposal in detail discussed the field inspection report conducted on 27.07.2024 and noted the following salient aspects in the field.

- a. The project site is an abandoned rubber plantation along with natural tree growth
- b. Exposed rock seen at a few locations
- c. Water available at the abandoned quarry pit inside the proposed site to a depth of 1.5m
- d. Four abandoned quarry pits are seen on the Southern and South western sides.
- e. Monitoring data is seen collected during NE monsoon season.
- f. OB dump is shown near BP1 which is at higher elevation.
- g. Maintenance charges are not provided for CER activities in individual document but in EMP, Rs 20,000/- is provided for the same.
- h. The baseline data is monitored on 11.10.2023 but the validity of the NABL accreditation for the laboratory which monitored expired on 24.8.2023.

The Committee observed the requirement following specific conditions, if EC is issued

1. Quarrying to be limited to a depth of 77m
2. Intensive augmentation of buffer zone without felling the available tree growth during the 1st year itself

Based on the above observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application:

1. Pre-feasibility Report
2. Proof accreditation of the laboratory which monitored the baseline environmental data as the date of monitoring (11.10.2023) is reported to be after the expiry of the validity of the NABL accreditation for the laboratory (Validity expired on 24.8.2023).
3. Plan of OB dump site at lower elevation with adequate protective measures
4. Revised CER plan with adequate provision for maintenance for the period of life of mine
5. Compensatory afforestation plan, preferably in public places, along with geotagged photograph of the proposed site and species details and adequate budget for maintenance operations for five years along with the consent letters.

6. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024.
7. EMP prepared by a NBET accredited agency.

Item No.17 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. L Syju, M/s K Lekshmanan Company Infrastructures & Industries Pvt. Ltd., for an area of 1.4754 Ha at Block No. 40, Re-Survey Nos. 28/4pt (Govt Land), 28/8 and 28/3-1 (Pvt Land) in Nilamel Village, Kottarakkara Taluk, Kollam District. (SIA/KL/MIN/463911/2024)

The Committee examined the proposal, field inspection report and additional documents submitted. As per the application, the total mineable resource is 7,52,100 MT. The life of mine is 10 years. The project cost is Rs. 255 lakh. The highest elevation of the proposed area is 134m above MSL and the lowest elevation is 114 m above MSL. The high hazard zone is at distance of 28.2km. The depth to water table is 16m bgl. As per the Cluster Certificate dated 08/02/2024 there is no working quarries within 500m radius. The site is located on the summit of a midland isolated hill with very steep slope all around the site. There are large number of houses on the slope and down-hill side of the site which will be under threat due to the proposed quarrying on the hill top. The road leading to the proposed site is very narrow and the feasibility for its widening is limited due to the population density of the area through which the road passes. The overburden and top-soil dump site are proposed in a high-risk area with very steep slope. The rainfall intensity of the area is reported to be very high, of the order of more than 200mm per day aggravating the risky nature of the site. The possibility to develop green belt all around the site is meagre, accentuating the impact due to the air pollution. There is also lack of feasibility for planning and implementing storm water discharge. **In the circumstance and based on detailed discussion, the Committee decided to invoke precautionary principle and recommend rejection of the proposal.**

Item No.18 Environmental clearance application for the Granite Building Stone Quarry Project of Smt. Savithri Thamban, M/s Sree Siva Granites for an area of 2.9727 Ha at Re Survey Nos. 428/pt in Thayannur Village, Vellarikund Taluk, Kasargod. ToR Proposal No: (SIA/KL/MIN/455634/2023, 2472/EC4/2023/ SEIAA) EC Proposal No: (SIA/KL/MIN/458791/2024)

The Committee re-examined the proposal as per the direction of 144th SEIAA meeting. Considering the decision taken by the SEIAA to enquire the violations of the PP through the Mining and Geology Department and the Kerala State Pollution Control Board, the Committee opined that it is not desirable to appraise the proposal at present. **However, the Committee decided to entrust Prof. V. Gopinathan and Dr. A.N. Manoharan to examine the complaint**

received from Sri. Shaji A.K and also the request from the Project Proponent to reappraise the project by avoiding fresh EIA and Public Consultation and considering the EIA report and Public Consultation proceedings of the quarry proposed in the adjacent area.

Item No.19 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Unneenkutty for an area of 0.5192 Ha at Block no. 36, Re Survey No. 347 in Kulukkallur Village, Pattambi Taluk, Palakkad District.**
(SIA/KL/MIN/473085/2024)

As invited the Project Proponent Sri. Unneenkutty and the RQP VK Roy were present. **The RQP made the presentation. Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024.
2. Proposal for re-grassing the mining area and any other area which may have been disturbed due to the mining activities and restoring the land to a condition which is fit for growth of fodder, flora, fauna etc. in compliance to the direction dated 8.1.2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No.114/2014, Common cause vs Union of India & Ors.
3. Depth to water table in the nearest dug well along with its distance from the project boundary and geo-tagged photographs of the well.
4. Drone video of the project site and surrounding areas within a 500m radius as per the Guidelines uploaded on the SEIAA website.

Any other items

Note on the Powers of SEAC to impose conditions: The Committee discussed the environmental consequences of non-compliance of conditions stipulated for environmental clearance by the raising the questions such as (i) What if the PP violates the EC conditions, (ii) What if the PP does excessive mining and damage the area under mining and its surroundings, (iii) What if the PP does not implement Mine Closure Plan as agreed and (iv) What if the approved CER Plan is not implemented. Presently, the solution is to conduct damage assessment, enforce environmental compensation and if it fails, undertake RR proceedings after the entire mining is done. As such, one of the most common issue at present is non-closure of the mine after the completion of mining. This, if not done by the quarry operator who leases the land for mining, will become the responsibility of the land owner who may not be aware of the situation and may not anticipate such a scenario. This situation is on the increase making the land owner responsible for the mine closure leading to large number of abandoned mine pits causing environmental issues and accidents. The Committee discussed the situation and considered various suggestions. The Committee noted that there is provision for a bank guarantee by the

Mining & Geology Department varying from Rs. 1 to 2 Lakh for ensuring implementation of mine closure plan. However, this is not working out to be practical mostly. Further, the Mine closure plan provides only sketchy details about fencing, backfilling with topsoil, regrassing, planting saplings of native species and converting the mined area for locally useful purposes. Another possibility discussed is to carry out periodical compliance to environmental clearance conditions and ensure that there are no violations. However, the human resource requirement for such an exercise will be large and it is doubtful whether SEIAA can resort to such a large responsibility with the existing man power. Another suggestion discussed is to conduct a realistic assessment of the financial requirement for the implementation of mine closure plan along with the EMP and direct the PP to deposit the money required for the purpose in advance with the Environment Benefit Fund and undertake the mine closure as envisaged in advance, if the PP does not carry out the closure and claim the advance. **The Committee decided to continue the discussion and consolidate the suggestions and forward a proposal to the SEIAA for approval and implementation.**

The meeting concluded at 5 pm with a vote of thanks to the Chair.

Sd/-

Suneel Pamidi, IFS
Member Secretary, SEAC

Sd/-

Dr. R. Ajayakumar Varma
Chairman, SEAC

LIST OF PARTICIPANTS:

Sl.No.	Name	07.08.2024	08.08.2024	09.08.2024
1.	Dr. R. Ajayakumar Varma (Chairman)	√	√	√
2.	Sri. S. Sheik Hyder Hussain	√	√	√
3.	Dr.A.Bijukumar.	X	X	X
4.	Dr. A.N.Manoharan	√	√	√
5.	Shri. M. Dileepkumar	X	X	X
6.	Dr.C.C. Harilal	√	√	√
7.	Dr.K.VasudevanPillai	√	√	√
8.	Dr. Mahesh Mohan	√	√	√
9.	Dr.K.N. Krishna kumar	X	X	X
10.	Sri.V. Gopinathan	√	√	√
11.	Dr.A.V. Raghu	√	√	√

12.	Dr.N. Ajithkumar	√	√	√
13.	Suneel Pamidi (Secretary)	√	√	√