

PARIVESH FILES

Part 1

Item No.01 **Environmental Clearance for the proposed Residential project to be developed by M/s Tektoninfra India Pvt. Ltd at Re-Survey Nos. 121/7, 121/5, 121/6, 126/2, Pantheerankavu Village, Olavanna Panchayat, Taluk Kozhikode, Kozhikode
(SIA/KL/INFRA2/431555/2023, 2302/EC4/2023/SEIAA)**

The Committee examined the proposal and discussed the field inspection report conducted on 06-11-2023. The project was presented before the Committee in its 151st meeting. As per the application the total plot area of 1.35 ha. and total built-up area of 64,816.14 sq.m. with 272 residential units. The Chaliyar river is at 0.17 km. The project cost is 96 crores. Kadalundi Bird Sanctuary, which is only 9.5 Km away from the project site. There is no road at present leading to the proposed site though it is stated that NH66 is at a distance of 0.7km. **Based on discussions the committee decided to direct the project proponent to submit the following additional documents submit report.**

1. Geo-tagged photograph of the site proposed to be developed as access road leading to the site from the National Highway along with the current land use pattern, number of trees to be cut, survey numbers and ownership details of the land, engineering plan and drawing of the proposed access road, plan for non-closure or non-diversion of water bodies present in this region.
2. Detailed drainage plan to drain out the excess water of the proposed site and drainage map depicting the contour characteristics of the project site.
3. Plan for the protection of the area where there will be vertical earth cutting consequent to the proposed removal of soil to the extent of 35300 cu.m for the purpose of leveling the project site.
4. Detailed plan for the management of the biodegradable waste amounting to 355 kg/day using bio-gas generation plant and bio-bin composter system at the project site along with technical specifications of such facilities.
5. Safe and sustainable yield characteristics of the two wells in the project site proposed to be used as sources of water.
6. Detailed CER plan for the amount of 192.0 Lakhs earmarked for CER activities as per the guidelines uploaded in the SEIAA website.

Item No.02 **Environmental Clearance for the granite building stone quarry project of Sri. Abdul Razack. K for an area of 0.5634 Ha at Sy.No.35 in Kariavattom Village, Perinthalmanna Taluk, Malappuram.
(SIA/KL/MIN/257046/2022, 2046/EC6/2022/SEIAA)**

The committee verified the additional documents sought in the 135th SEAC meeting and observed the following shortcomings;

1. In the survey map distance is measured from boundary pillars and it shall be taken from the project boundary.

2. The land use map shows the project area only as private land and no details are providing.
3. In the EMP, the hydrology and waste management plans are not site specific.
4. The drainage channel is shown crossing the road but no provision for culvert is provided.
5. No provision is provided for vibration monitoring and land environmental management.
6. Detailed CER proposal is not provided as per the guideline published in the website of SEIAA.
7. Risk management plan does not address the accident possibility of the site.

Based on discussions, the Committee decided to invite the PP for presentation. The presentation shall include details of the above said short comings and the additional documents.

Item No.03 Environmental Clearance for Granite building stone quarry of C.H Saktriariya, Mannarkkad Taluk Karinkal Quarry Operators Industrial Co Operative Society Ltd. over an extent of 0.6347 Ha. ResyNo.241/1A1 in Pottassery-1 Village, Mannarkkad Taluk. Palakkad District, Kerala. (SIA/KL/MIN/266045/2022, 2047/EC1/2022/SEIAA)

The Committee verified the additional documents submitted by the project proponent and found them satisfactory. As per the application, the project area is 0.6347Ha. The Mineable reserve is 77417MT with an average annual production of 16000 MT. The Mine life as per mine plan is 5 Years. The site elevation varies from 90m to 115m above MSL and after mining the elevation will vary from 75m to 110m above MSL. The depth to water table is 9m below ground level at 92m AMSL. The distance to the moderate hazard zone is 1.04km and the distance to the high hazard zone is 4.87km. The total project cost is 70 Lakhs. The CCR has been evaluated and no specific violation has been reported specific to the EC conditions.

Based on discussions the committee decided to recommend EC for 5 years with the following specific conditions, in addition to the general conditions:

1. Considering the depth to water table the depth of mining should be limited to 85m above MSL.
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 and included in the Half Yearly Compliance Report.
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 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 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.04 Environment Clearance for the Laterite building stone quarry of Sri. Jayakrishnan for an area of 0.6824 Ha at Re Survey No. 2/5, 5/2 in Ongallur-1 village, Pattambi taluk, Palakkad, Kerala. (SIA/KL/MIN/272889/2022, 2144/EC1/2022/SEIAA)

The 134th meeting of the SEIAA observed that being a large laterite quarry, in addition to top soil, about 30% of the total production will be disposed as waste. The topsoil and the laterite waste have to be dumped properly on the downside of the quarry with protective wall which is not mentioned in the proposal. Therefore, the Authority referred back the proposal to reexamine the above aspects and to suggest suitable mitigation measures to avoid the drainage of waste/topsoil and runoff water to nearby wells and fields. Accordingly, the 156th meeting of the Committee sought a detailed plan and documents from the project proponent to address the above observation of SEIAA in its 134th meeting. The Committee examined the detailed

plan and documents for the OB and topsoil dump submitted by the Proponent and found them not satisfactory since it is not feasible. **Based on discussions, the Committee decided to direct the PP to submit a detailed plan suitable for the site, as per the decision of SEIAA.**

Item No.05 Environmental Clearance for Granite Building stone Quarry of Sri. J. Madhusoodhanan for an area of 2.1449 Ha at Block No. 35, Re-Survey Nos. 352/7, 353/1, 353/2, 353/2-1, 353/3, 353/4, 353/8, 353/9, & 354/2 in Nedumangad Village, Nedumangad Taluk, Thiruvananthapuram, Kerala. (SIA/KL/MIN/401155/2022 , 2123/EC1/2022/SEIAA)

The Committee examined the proposal and verified the Certified Compliance Report (CCR) and noted that the compliance for many of the EC conditions are not specific and hence not satisfactory. Moreover, the specific conditions in the EC are not ascertained since the project proponent has not provided the official translated copy of EC. The Committee also noticed that the Mining and Geology Department has penalized Rs. 61,25,128 lakh for excess extraction of about 87,224MT. But no penal action has been taken by the Pollution Control Board regarding the compensation for environmental damages. **Based on discussion, the Committee decided to refer the proposal to the SEIAA to direct the Proponent to provide the official translated copy of the EC to the IRO, MoEF&CC, Bangalore and obtain CCR with specific observations and compliance status of the specific and general conditions of the EC.**

Item No.06 Environmental Clearance for the Laterite Building Stone Quarry of Sri. K Balan, for an area of 0.0972 Ha at Block No:46, Re-Survey No: 14/572(14/1A) in Pariyaram Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/433500/2023, 2366/EC4/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the application, the total mineable reserve is 8505 MT. The life of mine is 1 year. The nearest house is at 77.5 m. The total project cost is Rs.3.63 lakh. **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 depth of 4m bgl considering the ground 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 pm)

Item No.07

**Environmental Clearance for the Laterite Building Stone Quarry of Sri. Kunhikrishnan P.P. for an area of 0.0971 Ha. at Block No. 139, Re-Survey No. 319/13 in Chuzhali Village, Thaliparamba Taluk, Kannur.
(SIA/KL/MIN/434534/2023, 2368/EC4/2023/SEIAA)**

The Committee verified the additional documents submitted by the project proponent and found them satisfactory. As per the application, the total mineable reserve is 8678 MT. The life of mine is 1 year. A pig farm is situated at 112 m. The total project cost is Rs.3.2 lakh. **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 pm)

**Item No.08 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Ashraf. K for an area of 0.8094 Ha at Re. Sy No 64/75, in Ulliyeri Village, Koyilandy Taluk, Kozhikode.
(SIA/KL/MIN/434876/2023, 2348/EC2/2023/SEIAA)**

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the application, the total mineable reserve is 70822.5 MT. The life of mine is 4 years. The highest elevation of the permit area is 110 m AMSL and the lowest is 90 m AMSL. The total project cost is Rs.30 lakh. The nearest house is at a distance of 111m. A college is situated at a distance of 263m. **The Committee decided to recommend EC for mine life of 4 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/labourers 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 pm)

Item No.09 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Ajikumar A.T.V. for an area of 0.0971 Ha, block no 44, Re-Survey No: 179/106 in Vayakkara Village, Payyannur Taluk, Kannur. (SIA/KL/MIN/436307/2023, 2360/EC4/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the application, the targeted production is 8011 MT. The life of mine is 1 year. The nearest house is at a distance of 66.3 m from the proposed area. The total project cost is Rs.3.29 lakh. The depth to the water table is 8 m below ground level at 142 m AMSL. **The Committee decided to recommend EC for a 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 pm)

Item No.10 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Ambujakshan P. for an area of 0. 4006 Ha. at Block No.37, Re-Survey No.132/220 in Perinthatta Village, Payyannur Taluk, Kannur. (SIA/KL/MIN/437437/2023, 2354/EC4/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent sought and found them satisfactory. As per the application, the total mineable reserve is 3580 MT. the total mineable reserve is 38557 MT. The life of mine is 3 years. The nearest building is at 170 m. The total project cost is Rs.9.2 lakh. No Houses within 50m radius. The depth of water Table is 8m below ground level at 36 m AMSL. **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 depth of mining should be limited to 6m bgl considering the ground 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/labourers 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 pm)

Item No.11 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Hareendran P.K., for an area of 0.1941 Ha at Block No.91 Re-Survey No. 3/721 in Kalliyad Village, Iritty Taluk, Kannur. (SIA/KL/MIN/437475/2023, 2358/EC4/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent sought and found them satisfactory. As per the application, the total mineable reserve is 13085 MT. The life of mine is 2 years. The nearest house is at 125 m. The total project cost is Rs.3.28 lakh. The nearest house is at 125 m. The depth of water Table is 10 m below ground level at 169 m AMSL. **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/labourers 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 pm)

Item No.12 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Pavithran C., for an area of 0.1943 Ha at Block No. 37 Re-Survey No. 76/231 in Perinthatta Village, Payyannur Taluk, Kannur (SIA/KL/MIN/437582/2023, 2362/EC4/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent sought in the 156th SEAC meeting and found them satisfactory. As per the application, the total mineable reserve is 14208 MT. The life of mine is 2 years. The nearest house is at 325 m. The total project cost is Rs.4.75 lakh. The nearest house is at 325 m. The depth to water Table is 10m below ground level at 105m AMSL. **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/labourers 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 pm)

Item No.13 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Rajesh M.P., for an area of 0.0971 Ha at Block No: 137, Re-Survey No: 38/222 in Chuzhali Village, Thaliparamba Taluk, Kannur. (SIA/KL/MIN/438554/2023, 2363/EC4/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent sought and found them satisfactory. As per the application, the total mineable reserve is 8011 MT. The life of mine is 1 year. The nearest house is at 342 m. The total project cost is Rs.3.38 lakh. The depth to water table is 10m below ground level at 149m AMSL. **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/labourers 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 pm)

Item No.14 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Vinod K. for an area of 0.1700 Ha at Re-Survey No: 55/244 in Panappuzha Village, Payyannur Taluk, Kannur (SIA/KL/MIN/439634/2023, 2367/EC4/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent sought and found them satisfactory. As per the application, the total mineable reserve is 10413 MT. The life of mine is 1 year. The nearest house is at a distance of 119.4 m. The total project cost is Rs.5.35 lakh. The Committee decided to direct the project proponent to submit the following additional documents. The Depth to water table is 8m below ground level at 66m AMSL. **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/labourers 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 pm)

Item No.15 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Suresh K for an area of 0.1983 Ha at Block No:38, Re-Survey No:45/248 in Perinthatta Village, Payyannur Taluk, Kannur. (SIA/KL/MIN/440531/2023, 2361/EC4/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent sought in the 156th SEAC meeting and found them satisfactory. As per the application, the total mineable reserve is 19086 MT. The life of mine is 2 years. The nearest house is at a distance of 418 m. The total project cost mentioned in the application is Rs.4.52 lakh. The depth of water table is 8m below ground level at 82m AMSL. **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/labourers 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 pm)

Item No.16 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Noorul Hassan for an area of 0.4995 at Block No.31, Re Survey No: 556/1 in Areacode Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/443456/2023, 2395/EC1/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent sought in the 156th SEAC meeting and found them satisfactory. As per the application, the total mineable reserve is 48075 MT with an annual production of 16025 MTA. The life of mine is 3 years. The nearest house is at 72.4 m. The total project cost is Rs.13.68 lakh. The depth to water table is 8m below ground level at 114m AMSL. **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/labourers 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 pm)

Item No.17 Environmental Clearance for the Granite Building stone quarry of Sri. Varghese Chakku for an area of 0.7048 Ha at Block No.22 ,Re- Survey No:284 in Malayattoor Village, Aluva Taluk, Ernakulam (SIA/KL/MIN/45324/2019, 1557/EC3/2019/SEIAA)

The Committee verified the additional documents submitted by the PP and on verification it is observed that the PP has not submitted the approval of the District Level Crisis Management Committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05-2014 as per the Kerala State Disaster Management Plan 2016. The NOC for the land is for 3 years from 29.1.2019 and now the period is over and it may be revalidated. In these circumstances, the Committee decided to direct the PP to submit the following:

1. Valid NOC from the District Collector
2. Approval of the District Level Crisis Management Committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014 as per the Kerala State Disaster Management Plan 2016

Item No.18 Environmental Clearance for the proposed expansion within the existing Hospital premises (“Ananthapuri Hospital & Research Institute”) by M/s Ananthapuri Hospitals Private Limited by Dr. A. Marthanda Pillai, Chairman & Managing Director at Survey Nos. 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504 in Pettah Village, Thiruvananthapuram Taluk & District, Kerala. (SIA/KL/MIS/285493/2022, 2074/EC1/2022/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. The proponent submitted an order from the Revenue Department regarding the conversion of land sought in the 155th SEAC meeting. As per the application, the total cumulative built-up area for which studies are conducted is 40,949.03 sq.m and the total built-up area for which EC is sought is 29,857.23 sq.m. The total project cost is Rs. 124 Crores. **Based on discussions the committee recommended EC for 10 years for the proposal subject to the following Specific Conditions in addition to the General Conditions.**

1. The stipulated FAR should be complied with.
2. The existing STP should be augmented with SBR, 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.
3. Water efficient plumbing features for saving water use should be adopted as per the plan submitted.
4. The PP should comply with the conditions stipulated in the order permitting conversion of land from “Nilam” to “Purayidam”.
5. 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, and for avoiding discharge of treated water into the nearby public drain.

6. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
7. The Project Proponent should make provision for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. 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).
8. Climate responsive design as per Green Building Guidelines in practice should be adopted
9. The green building criteria notified in the GO (Ms) No. 39/2022/LSGD dated 25.2.2022 should be adopted
10. Vegetation should be developed appropriately on the ground as well as over built structure such as roofs, basements, podiums etc.
11. Exposed roof area and covered parking should be covered with material having high solar reflective index
12. Building design should cater to differently-abled citizens
13. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow
14. Water efficient plumbing features should be adopted
15. Design of the building should comply with Energy Building Code as applicable
16. Energy conservation measures as proposed in the application should be adopted in total
17. Buildings should be barricaded with GI sheets of 6 m. (20 feet) height so as to avoid disturbance to other buildings nearby during construction.
18. Construction work should be carried out during day time only.
19. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
20. All vehicles carrying construction materials should be fully covered and protected.
21. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
22. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
23. Occupational health safety measures for the workers should be taken during the construction.
24. All vehicles during the construction phase should carry PUC certificate.
25. D.G. set should be provided with adequate stack height and regular maintenance should be carried out before and after the construction phase and would be provided with an acoustic enclosure.
26. Green belt should be developed along the periphery of the site with indigenous species.

27. The CER Plan should be implemented during the first two years and it should be operated/maintained during the rest of the period of EC.

Item No.19 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Abdul Noufal M.P for an area of 0.5663 Ha at Block No.02, Sy.No. 66/2-30 in Pulamanthole Village, Perinthalmanna Taluk, Malappuram.
(Old proposal No. SIA/KL/MIN/416432/2023, Old file No. 2232/EC6/2023/SEIAA)
(New proposal No. SIA/KL/MIN/449166/2023, New File No.2409/EC1/2023/SEIAA)

The Committee discussed the evaluation report and noticed that as per the application, the total mineable reserve is 115125 MT with annual production of 23025 MTA. The life of mine is 5 years. The distance to the high hazard zone is 27.3 km and to the medium hazard zone is 0.64 km. The highest elevation of the permit area is 100 m AMSL and the lowest is 85 m AMSL. The depth to water table reported is 20m bgl. The nearest house is at 257.3 m. The total project cost is Rs.60 lakh. **Based on discussions, the Committee decided to seek the following additional documents.**

1. Revised Compensatory afforestation plan along with geotagged photograph of the proposed site, ownership details of the land and species proposed to be planted. This is because the plan submitted is inadequate and not satisfactory.
2. The Proponent has not uploaded the application with adequate details under section 3 (Physical changes), section 4 (Pollution details), section 9 (waste generation), section 10 (Risk assessment) etc.
3. Geo-tagged photographs of the site from each of the boundary pillars and from different locations within the site along with a video clip of the site to assess the site characteristics.

Item No.20 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Cheriya Vilappinakath Siyad, for an area of 0.1942 Ha. at Block No. 88, Re-Survey No: 3/1685 in Kaliyad Village, Iritty Taluk, Kannur
(SIA/KL/MIN/424608/2023, 2249/EC4/2023/SEIAA)

The committee re-examined the proposal submitted by Sri. Cheriya Vilappinakath Siyad for an area of 0.1942 Ha. As per the mining plan mineable reserve is 17,710 MT for a mine life of 1 year. The project cost is 5 lakhs. The depth to the water Table is 40m below the ground level. As per the mine plan, the mining activity will be restricted to a depth of 5.5m. **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/labourers 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 pm)

Item No.21 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Rafeeq P K for an area of 0.7772 Ha at Block No. 18, Re Survey No: 479/1 in Vazhakkad Village, Kondotty Taluk, Malappuram. (SIA/KL/MIN/435779/2023, 2336/EC6/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. The Committee observed that there is a complaint regarding the mining in Vazhakkad village. The report of the District Collector and the District Geologist, Malappuram suggests to hear the complainants before taking a final decision to grant EC in the area. The 158th meeting the Committee decided to hear the complainants as part of the proposal no. SIA/KL/MIN/446706/2023, 2404/EC1/2023/SEIAA. **Based on discussion, the Committee decided to hear the Complainants and take a final decision in this proposal after hearing the complainants.**

Item No.22 Environmental Clearance for Laterite (Building Stone) Quarry of Sri. Bharathan for an area of 0.9532 ha at Survey Nos: 7/2-14, 7/2- 15, 7/2-8, 7/2-7 in Koppam Village, Pattambi Taluk, Palakkad District, Kerala. (SIA/KL/MIN/415821/2023, 2222/EC1/2023/SEIAA)

The committee re-examined the proposal and evaluated the submitted plan to avoid the drainage of waste/topsoil and runoff water to nearby wells and fields and found it satisfactory. The Committee noticed that in the 149th meeting, EC was recommended for the mine life of 3 years, subject to certain Specific Conditions in addition to the General Conditions. **Therefore, the committee decided to adhere to the earlier decision to recommend EC for 3 years subject to following specific conditions in addition to general conditions.**

1. The PP should implement the plan as submitted to avoid the drainage of waste/topsoil and runoff water to nearby wells and fields
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 the breeding of vectors in the water bodies created due to the excavation of earth.
9. Workers/labourers 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 pm)

Item No.23 Environmental Clearance for Laterite (Building Stone) Quarry of Sri. Abdu Rasak for an area of 0.9400 ha at Block No 25, Re-Survey Nos: 7/2-10, 7/2-9, 7/2-8, 7/2-16, 7/2-17 in Koppam Village, Pattambi Taluk, Palakkad District, Kerala.
(SIA/KL/MIN/415955/2023 , 2221/EC1/2023/SEIAA)

The committee re-examined the proposal and evaluated the submitted plan to avoid the drainage of waste/topsoil and runoff water to nearby wells and fields and found it satisfactory. The Committee noticed that in the 149th meeting, recommended EC the mine life of 3 years, subject to certain Specific Conditions in addition to the General Conditions. **Therefore, the committee decided to adhere to the earlier decision to recommend EC for 3 years subject to the following specific conditions in addition to general conditions.**

1. The PP should implement the plan as submitted to avoid the drainage of waste/topsoil and runoff water to nearby wells and fields
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 such 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/labourers 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 pm)

Item No.24 Environmental Clearance for Building Stone Quarry project of M/s SSC Project, for an area of 0.9981 hectares at Block No. 41, Re-Survey Nos. 235/5, 239/3-1, in Kooroppada Village, Kottayam Taluk, Kottayam (SIA/KL/MIN/417759/2023, 2234/EC3/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the mining plan the mineable reserve is 1,56,513 MT. The mine life is 3 years. The project cost is Rs. 3.83 Crores. The highest and lowest elevations are 100 m AMSL to 82 m AMSL respectively. The ultimate depth of mine proposed is 70m above MSL. The depth to the water table is reported as 3 m below ground level. **Based on discussions the committee recommended EC for 3 years with the following Specific Conditions in addition to the General Conditions:**

1. Considering the depth to water table, the depth of mining should be limited to 80m AMSL.
2. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
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. 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 and included in the Half Yearly Compliance Report.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
7. Drainage water should be monitored at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
8. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
9. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
10. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
11. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
12. 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

13. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
14. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
15. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
16. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR.

Item No.25 Environmental Clearance for the Granite Building Stone Quarry Project of Sri.Safeer.K for an area of 0.9796 Ha at Block No.77, Re.Sy.No. 325/1-1 in Thiruvalli Village, Nilambur Taluk, Malappuram. (SIA/KL/MIN/436281/2023, 2373/EC1/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory except the following.

1. The EMP is incomplete and does not include the monitoring activities.
2. The compensatory afforestation area is already vegetated with high density; hence an alternate site is to be proposed.
3. An affidavit stating mining will be done by providing a distance of 50m away from the shed.
4. The mining is to be limited to 85m AMSL considering the depth to water table.

Item No.26 Environmental Clearance for the Granite Building Stone Quarry of Sri Sudheesh. A. T for an area of 2.1069 Ha at Block No. 36, Re. Survey No. 354/2, 354/4, 354/5, 356/2pt in Edavaka Village, Mananthavady Taluk, Wayanad.(SIA/KL/MIN/159489/2020, 2120/EC2/2022/SEIAA)

The Committee examined the additional documents submitted by the project proponent sought in the 156th SEAC meeting and found them satisfactory. As per the application the total mineable reserve is 636554 (MT) with an Average Annual Production (TPA). The total project cost is Rs. 326.10 Lakhs. The life of mine is 9 years. The distance from the nearest house is 73m. The Distance to Moderate Hazard Zone is 4.5km and the distance to High Hazard Zone is 5.9km. The site elevation vary from 760m to 735m above MSL and the maximum depth of mining proposed is 715m above MSL. The depth to water table reported is 6m bgl. **Based on discussions the committee decided to recommended EC for the mine life of 9 years subject to following specific conditions.**

1. Considering the depth to water table, the depth of mining should be limited to 730m AMSL.
1. Development of green belt should be initiated prior to the commencement of mining using indigenous species.

2. The Project proponent should get the mandatory Wildlife Clearance from the SCNBWL before the commencement of the mining activity.
3. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
4. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
7. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
8. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
9. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
10. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
11. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
12. 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
13. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
14. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
15. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
16. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR.
17. Adequate precaution should be taken to prevent any breach of water stored in the mine pit.

Item No.27 Environmental Clearance for the proposed Residential project developed by M/s Oceanus Dwellings Pvt. Ltd. at Survey Nos. 578/19, 578/21, 580/8, 581/7, 581/8, 581/9 in Palakkad II Village, Palakkad Taluk, Palakkad.
(SIA/KL/INFRA/416126/2023, 2223/EC1/2023/SEIAA)

The Committee discussed the field inspection report and noticed the proposed plot area is 0.7892 ha, and the total built-up area is 36,121.76 sqm. The proposed area 4.3 km away from the Medium Hazard zone. The project cost is 76 Crores. **Based on discussions, the Committee decided to direct the Proponent to submit the following additional documents.**

1. Detailed CER proposal as per guidelines published in the SEIAA website.
2. Revised EMP incorporating CER as per existing norms
3. Details of source of water and assurance of its availability
4. Safe yield and sustainability characteristics of the well proposed to be used to draw water
5. Plan for decongestion of traffic load increase in the adjacent roads due to the proposed building.
6. Plan for rejuvenation of *Maniyamkadu* pond that could be used to meet drinking water requirement for the nearby areas.
7. Details of FAR including how the declared 26,352.35 sq.m. (@3.339) is computed.
8. Plan for draining excess water accumulated in the compound during the rainy season

PART – 2

Item No.01 Environmental Clearance for the Commercial Building of Sri. Saidalavi at Block No:001, Resurvey nos 27/10-109,27/10-110,27/10-111 in Kuruva Village, Perinthalmanna Taluk, Malappuram.
(SIA/KL/INFRA2/444437/2023, 2419/EC1/2023/SEIAA)

As invited the Project manager Shamsudheen and Architect Afahm Abdulla were present on behalf of Sri Saidalavi. The Consultant, Smt. Ananthitha from the M/s. Ultratech made the presentation. The application submitted by Sri. Saidalavi indicates that the total built up area is 23,837.33 m² and the plot area is 8117.08 m². The maximum height of the building is 27.55 m. The total project cost is Rs.39.61 crore. The FAR is 1.96. **Based on the documents submitted, field inspection report and presentation made, the Committee decided to direct the project proponent to submit the following additional documents.**

1. Safe yield and sustainability characteristics of the source of water as the project proposes to draw 24 KLD of groundwater from an existing borewell during the operational phase.
2. Compensatory Afforestation Plan along with geotagged photographs of the area, species proposed to be planted and ownership details of the land.
3. Details and purpose for which the soil proposed to be removed will be utilized along with end user demand note.

4. Details of the accommodation and amenities proposed to be provided to the laborers during the construction phase.
5. Site-specific EMP with mitigation measures.
6. Revised CER as per the guidelines on SEIAA website
7. Detailed drainage plan.
8. Plan for decongestion of nearby roads due to the increased traffic due to activities proposed in the new building

Item No.02 Laterite Building Stone quarry project of Sri. K. Janardanan, for an area of 0.24 Acre in Survey No. 195/1A of Kolathur Village of Kasaragod Taluk of Kasaragod. (SIA/KL/MIN/207053/2021, 2178/EC2/2023/SEIAA)

As per the decision of the 142nd SEAC meeting held on 11th to 12th May 2023, the proponent was invited for presentation, but the proponent was absent. The proponent was again invited for presentation and he was again absent. **Since the PP was unable to present the project, the Committee decided to recommend to delist the application.**

Item No.03 Environmental Clearance for the Granite Building Stone Quarry project of M/s. Pala Metals and Sands Pvt Ltd, for an area of 9.6560 Ha.(23.8599Acres) at Re – Survey Block No.34, Re -Sy.No. 126/1, 128/1, 128/1-1, 128/2, 128/3,128/3- 1, 128/3-2, 128/4, 129/4, 126/2, 126/5, 127/2, 132/8,129/1, 129/1-1, 129/2, & 129/3 in Bharananganam Village, Meenachil Taluk, Kottayam, Kerala. (SIA/KL/MIN/36040/2019, 1374/EC2/2019/SEIAA)

As invited the project proponent Sri. Sajimon Abraham and Consultant, Sri. Cyriac Joseph was present. The Consultant made the presentation. The Committee clarified the shortcomings pointed out earlier. As per the application, the total mineable reserve is 67,46,602 MT (5,00,150.00 TPA) and the mine life is 15 years. The Project cost is Rs.949 Lakh. The highest elevation is 250 m above MSL and the lowest elevation is 110 m above MSL. The depth to the water table is 4m below ground level. The maximum depth of mining proposed is 70m above MSL. The site falls in landslide hazard zone that too partly in medium hazard zone. Therefore, approval of the District Level Crisis Management Committee is required which is not submitted by the Proponent. **Based on discussions, the Committee decided to recommend EC for 15 years subject to the production of approval of the District Level Crisis Management Committee to the SEIAA and with the following Specific Conditions in addition to the General Conditions.**

1. EC shall be issued after submission of the approval of District Level Crisis Management Committee to the SEIAA
2. The depth of mining should be limited to 115m AMSL considering the depth to water table and also considering the environmental fragility of the terrain.
3. Adequate precaution should be taken to prevent any breach of water stored in the mine pit.

4. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. The dimensions of garlands drains shall be as per the plan given to withstand the Peak Flow of water (123.91 KLD/hr).
7. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
8. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
9. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
10. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
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 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. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
17. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR.
20. Soil conservation measures using bio-engineering methods including the usage of coir geo-textiles.
21. The piezometer proposed to be installed in the core area shall be monitored daily and the data should be submitted along with HYCR

22. A gabion wall shall be constructed, as per the plan given, for a length of 168.0 mts with maintaining a width of 4 mts for a height of 4 mts , before commencing the mining operation in the outside of the proposed lease area from all along the Boundary Pillars BP35-40
23. Boulder management should be carried out as per the plan proposed
24. Stream management such as bank protection wall, stream side vegetation, silt traps at 50m interval should be implemented as per the plan given
25. Avenue plants should be planted along both sides of the road to the quarry
26. Dust suppression systems shall be installed along the road from main road to quarry.
27. Continuous sprinkling shall be done at the main road for 500m during the vehicle movement from the site. The washed-out silt should be trapped and deposited safely. A drainage has to be constructed along the road side for the same.

Item No.04 Environmental Clearance for the Proposed Granite Building Stone Quarry Project of Sri.Rajesan.K, Managing Director, M/s Kodancheri Granites and Stones Pvt.Ltd, for an area of 4.3073 Ha at Re-Survey Nos.159/3208, 159/3209, 159/5172, 159/8673, 159/8746, 159/8747, 159/8556, 159/8557, 159/8709, 159/4875, 159/7525, 159/8745 in Nellippoyil Village, Thamarassery Taluk, Kozhikode (SIA/KL/MIN/406104/2022, 2173/EC4/SEIAA/2022)

As invited, the project proponent, Sri. Rajesan. K and the RQP, Mahesh S. were present. The RQP made the presentation. As per the application, the total mineable reserve is 1669110.5 MT and the average annual production is 104319.4 MTA for a mine life of 12 years. The highest elevation is 252m and the lowest elevation is 140m. The depth to the water table is 8m bgl. The Malabar Wildlife Sanctuary is at 12.89 km. **The Committee decided to direct the project proponent to submit the following additional documents.**

1. Approval of the District-level Crisis Management Committee for mining.
2. Detailed CER proposal as per the guidelines uploaded in the SEIAA website.
3. Reassessed and revised biodiversity report as the report seems to have been prepared without adequate study. The area is rich in biodiversity, but the biodiversity report fails to bring out an overall picture of the species composition of the area. It is stated in the methodology that Shannon Wiener index is worked out, but has not been interpreted/incorporated in the findings. Also, the details of personnel or the technical experts involved in the assessment are not given. There is no authorized signatory to the report. It is also noted that the entire biodiversity of an area of 4.3073Ha has been worked out in a single day.
4. Submit revised Compensatory Afforestation Plan in an alternate site along with geotagged photograph of the proposed site, species proposed to be planted and ownership details as the site in which the compensatory afforestation plan is proposed seems to be densely vegetated.
5. Plan for preventing or arresting the rolling of boulders and safe removal of boulders in the proposed site

Item No.05 Environment Clearance for the Granite Building Stone Quarry project of M/s RDR Crushers Pvt. Ltd., at Block No.48, Re-Survey 404/1, 404/2, 404/2-1, 404/2-6, 404/3, 404/3-2, 404/4, 404/4-2, 404/4-2-2, 415/2, 415/2-2, 415/3, 415/6, 415/6-2, 415/7, 526/1 in Chengalam East Village, Kottayam Taluk, Kottayam (SIA/KL/MIN/417135/2023; 2233/EC3/2023/SEIAA

As invited the project proponent Sri. Ren Shibu, RDR Crushers Private Ltd. and the Consultant Sri. Jomon of Engineers and Environmental Consultants Ltd were present. The Consultant made the presentation. As per application, the mining plan the mineable reserve is 9,76,465 MT and average annual production is 2,00,000 MTA. The mine life is 5 years. The highest and lowest elevations are 115 m AMSL to 90 m AMSL respectively. The project cost is Rs. 5.68 Crores. The nearest habitation is at 50.38 m towards SW side of the proposed area. The project proponent informed that the adjacent quarry is closed and obtained mine closure certificate and the building inside the project area is demolished. **Hence the committee directed to submit mine closure certificate of the quarry. Based on discussion, the Committee decided to entrust the team of Dr. Mahesh Mohanan and Dr. K.N. Krishnakumar to conduct field inspection and submit report.**

Item No.06 Environmental Clearance for the Granite Building Stone Quarry project of Shri. K. Sudhakaran , M/s. Kanakakunnu Stone Industries and M Sand, for an area of 3.4501 Ha. at Survey No: Sy. No. 292/1A, in New Naduvil Village, Thaliparamba Taluk, Kannur. (SIA/KL/MIN/423358/2023, 2381/EC4/2022/SEIAA)

As invited the project proponent Shri. K. Sudhakaran and RQP Cyryac Joseph were present. The RQP made the presentation. As per the application, the total mineable reserve is 1405440MT with an average annual production of 147470 TPA. The area is partially within the moderate landslide hazard zone. The distance to the high hazard zone is 20m. The life of mine as per the Mine Plan is 10 years. The distance to the nearest built structure is 102m. The site elevation varies from 630m to 680m above MSL and the maximum depth of mining is 595m above MSL. Thus, there will be a mine void of 35m after the proposed mining. The project proponent informed that an abandoned building is located within the site which will be demolished before the commencement of mining. **Based on scrutiny of application, presentation made by the Proponent and his Consultant and discussion in the SEAC meeting, the Committee decided that the environmental appraisal of the project is constrained by the following shortcomings.**

1. Plan for avoiding deep mine void in the site due to the slope characteristics and hazardous nature of the terrain. As per the mine plan, the proposed mining will lead to a mine void of 35m depth. Storage of water in such a deep pit on the slope may pose severe risk.
2. Plan for making the site feasible for mining. The Proponent has reported that a built structure is located within the site and it will be demolished prior to commencement of mining.

3. Detailed risk analysis of the terrain due to mining considering the slope characteristics, thickness and nature of soil, micro climatic parameters and making use of Digital Elevation Modelling
4. Approval of the District Level Crisis Management Committee for mining as the site is located in the moderate hazard zone
5. Recent baseline environmental data monitored during non-monsoon season.
6. Recent Cluster Certificate from the M& G Department as the one submitted is of 2018.
7. Non-assignment certificate.
8. Recently certified legible survey map showing the structures within the proposed site and within a radius of 200 m of the proposed project boundary.
9. Detailed CER proposal as per the guidelines uploaded in the SEIAA website.
10. Site specific EMP considering the activities of the proposed project on various environmental aspects of the proposed site and its surroundings, particularly considering the environmental fragility of the terrain and also incorporating the CER.
11. Clarification on the abandoned building is located near BP 12.
12. Mark the BP No. and coordinate values on boundary pillar and submit the geotagged photographs of the same.
13. Plan for approach road development considering the slope and relative relief of the site.
14. Depth to water table in the nearest dug well along with geotagged photograph of the well, the elevation of the well location and distance to the well from the project boundary
15. Map showing the location of OB dump and proposal for protection of the same.
16. Detailed drainage plan considering the terrain fragility
17. Detailed traffic study covering the roads in 5km radius of the project site and comprehensive traffic management plan.

The Committee also noted that the baseline environmental monitoring data, found attached in the Mining Plan, is monitored during 7.11.2017 to 13.11.2017. The application for EC is submitted on 25.3.2023. As per OM dated 8.6.2022 of the MoEF, the baseline data should not be more than 3 years old at the time of submission of application for EC. Further, the OM states that “at the time of application for EC, in case the baseline data is older than 3 years, but less than 4 years (except in the case of river valley and HE projects), the same shall be considered subject to the condition that it is revalidated with one season fresh non-monsoon data collected after 3 years of the initial baseline data”. **Therefore, in the preset case, the Application is not found acceptable. Therefore, the Committee decided to seek specific direction from the SEIAA regarding the continuation of appraisal of the project proposal.**

Item No.07 Environmental Clearance for the Granite Building Stone Quarry of Sri. Binu George for an area of 3 Ha at Block No.49, Survey No. 304 part (Govt. Land) in Parathodu Village, Udumbanchola Taluk, Idukki. (SIA/KL/MIN/428582/2023, 2263/EC3/2023/SEIAA)

As invited the project proponent Binu George and RQP V. K. Roy were present. The RQP made the presentation. The mineable reserve is 12,67,400 MT (8,19,987 TPA) and the mine life is 12 years. The project cost is 1,57,00,000/-. The highest elevation of the lease area is 1106m above MSL and lowest elevation is 1058m above MSL. The medium hazard zone is at 1.13km from the proposed area. There is an abandoned quarry which was working up to 2022 is located on the South East side. The environmental quality data is old beyond 3 years. The EMP is not site-specific with mitigation measures. The site is a high-altitude rocky area with moderate to steep slope and with grass growth in limited patches. **Based on discussions the Committee decided to direct the project proponent to submit the following additional documents.**

1. Valid NOC as the one issued on 18.2.2023 is found invalid due to conditions stipulated in the NOC.
2. Site specific EMP considering the hazard potential of the site, environmental sensitivity of the area and wildlife population in adjacent areas.
3. Plan for compensatory afforestation with location, ownership and species details and geo-tagged photographs of the proposed land.
4. Closure certificate of the mine located on the eastern side.
5. Revalidated baseline environmental monitoring data as the one submitted is more than 3 years old.
6. Plan for fly rock management.
7. Specific recommendation for the conservation of faunal biodiversity as the site is located in the high-range forest environment
8. Detailed drainage plan along with the carrying capacity of outflow channel and natural drain.
9. Detailed traffic study covering the roads in 5km radius of the project site and comprehensive traffic management plan.
10. Risk assessment study with special reference to landslide hazard potential of the adjacent areas in its immediate surroundings by an agency of national repute.
11. Parathode is categorized as ESA village and the proponent has produced certificate from the Tehsildar. But duly signed cadastral level map published in the website of KSBB demarcating the ESA and non-ESA areas in the village signed by the Tehsildar is not produced. The certificate should include the nature of land, nature of possession and a report on natural hazards like landslides, etc., if any.
12. Proposal for energy conservation measures.

Item No.08 Environmental Clearance for the Granite Building Stone Quarry project of Sri. Sreejith M S, for an area of 1.5506 Ha at Block no: 44, Re-survey No: 114/1,115/1-1,115/4-1,115/5-1, in Kondoor Village Meenachil Taluk Kottayam. (SIA/KL/MIN/434282/2023, 2377/EC4/2023/SEIAA)

As invited, the project proponent, Sri. Sreejith M S and RQP Balaraman were present. The RQP made the presentation. As per the application, the total mineable reserve is 525433 MT. The life of mine is 5 years. The project cost is 2 crore. As per the cluster certificate dated 05.06.2023, there is no cluster situation. The high hazard zone is at a distance of 318.7 m and the medium hazard zone is at 6.1 m. **The Committee decided to direct the project proponent to submit the following additional documents.**

1. Plan to prevent the pollution of the adjacent water body as the proposed site is adjacent to a water body
2. Site-specific EMP specifically considering the fact that there is a moderate landslide hazard zone nearby
3. Compensatory afforestation plan with geotagged photograph of the proposed site, species details proposed to be planted and ownership details of the land
4. Energy conservation measures
5. Depth of mining is to be limited to 85m AMSL
6. Revised CER as per the guidelines uploaded in the SEIAA website.
7. Detailed drainage plan and drainage map

Item No.09 Environmental Clearance for the Granite Building Stone Quarry of Sri. Jayesh Thomas for an area of 0.9763 Ha at Block No.09, Survey Nos.622/1, 622/2 in Pazhavangady Village, Ranni Taluk, Pathanamthitta. (SIA/KL/MIN/434901/2023, 2329/EC1/2023/SEIAA)

As invited the project proponent Sri. Jayesh Thomas and RQP Jayachandra Panicker were present. The RQP made the presentation. As per the application, the total mineable reserve is 287812.5 MT with an annual production of 95937.5 MTA. The life of mine is 3 years. The highest elevation of the permit area is 85 m AMSL and the lowest is 50 m AMSL. The depth to water table is reported as 6m bgl. The nearest building is at 56.1 m from the proposed area. The total project cost is Rs.110 lakh. **Based on discussion the Committee decided to direct the project proponent to submit the following additional documents.**

1. Revised CER as per the guidelines uploaded in the SEIAA website and also considering the needs of the inhabitants living near to the quarry.
2. Revised compensatory afforestation plan along with geotagged photographs of the proposed site, species details and ownership details of the land.
3. Depth to water table in the nearest dug well to the proposed site along with geotagged photograph of the well, elevation at the well site and distance to the well from the proposed project boundary.
4. Recent cluster certificate and clarification whether the quarry near to the proposed site is closed based on mine closure plan or not. As per the Google Map there is a large quarry operational at a distance of 60 m.

5. Revised drainage plan.
6. Recently certified legible Survey Map as the one submitted is not legible.
7. Geotagged photographs of the project area and its surroundings from all the boundary pillars.

Item No.10 Environmental Clearance for the Laterite Building Stone Quarry Sri. Ahammed Kunji ATP, for an area of 0.1942 Ha. at Re-Survey No.100/384 in Panappuzha Village, Payyannur Taluk, Kannur (SIA/KL/MIN/434903/2023, 2380/EC4/2023/SEIAA)

The proposal was placed in the 156th SEAC meeting held on 05th & 06th January, 2024. Even after prior intimation, the proponent was absent for the presentation and requested to postpone the presentation. The Proponent was again invited for the presentation but was absent and requested to postpone the presentation. **Hence the Committee decided to defer the proposal.**

Item No.11 Environmental Clearance for the Laterite Building Stone Quarry of Sri.Rafeeq P K for an area of 0.7772 Ha at Block No. 18, Re Survey No: 479/1 in Vazhakkad Village, Kondotty Taluk, Malappuram. (SIA/KL/MIN/435779/2023, 2336/EC6/2023/SEIAA)

As invited the project proponent Sri. Rafeeq P. K. and RQP V. K. Roy was present. The RQP made the presentation. The committee verified the CER proposal, EMP, Water requirement, Survey map, Geotagged photographs and video of the site, Report on the hazard potential of the site and found them satisfactory. The committee noted that the project proposal in the same area has been considered in the previous Committee and the Committee decided to take a final decision after hearing the complainant in accordance with the report of the District Collector regarding complaints against mining in areas in and around Mudakoimala. **Since the project also falls in the same area, the Committee decided to take a decision on the project after hearing the complainant from that project.**

Item No.12 Environmental Clearance for Granite Building Stone Quarry of Sri. Binoj .K. Baby, M/s. Pulpally Stone Crushers for an area of 1.7403Ha at Survey Nos. 256/2, 256/3,257/1,257/2,257/3,257/6,257/7 in Padichira Village, Sultan Bathery Taluk, Wayanad (SIA/KL/MIN/439177/2023, 2402/EC6/2023/SEIAA)

As invited Sri. Binoj.K. Baby and RQP Sri. Mahesh S was present. The RQP made the presentation. As per the application, the total mineable reserve is 418885 MT with annual production of 34907.1 MTA. The life of mine is 12 years. The highest elevation of the permit area is 745 m AMSL and lowest is 731 m AMSL. The depth to water table is 4m bgl. The medium hazard zone is at 2.68 km and the high hazard zone is at 13.78 km. There is a building at 29 m and thereby, distance norm is not complied with. The nearest habitation is at

55m. The total project cost is Rs. 2,66,01,150/-**The Committee decided to direct the project proponent to submit the following additional documents.**

1. Proof of application submitted for wildlife clearance as the Wayanad wildlife sanctuary is located at a distance of 5km, Bandipur wildlife sanctuary is located at a distance of 1.44km and the Nagarhole National Park is located at a distance of 1.63km.
2. Revised EMP considering the activities linked to mining on various environmental attributes of the area and site specific mitigation plans
3. Detailed plan for water harvesting in the mined-out area and detailed plan for utilization of the storage and distribution mechanism and management details.
4. Plan to maintain a buffer of 50 meters between the house and project boundaries.
5. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
6. The green belt development plan based on criteria such as (i) native trees; (ii) thick foliage; (iii) fruit bearing that would attract birds and, (iv) otherwise valuable with medicinal or soil fertility enhancer etc.
7. Detailed drainage plan incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
8. Compensatory afforestation plan in an alternate site along with geotagged photographs of the proposed site, species details proposed to be planted and ownership details of the land as the proposed site is already vegetated.

Item No.13 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri.Jijesh Korothan for an area of 0.0971 Ha at Block No.91, Re-Survey No:46/4-1204-2 in Kalliad Village, Iritty Taluk, Kannur. (SIA/KL/MIN/440234/2023, 2359/EC4/2023/SEIAA)

The proposal was placed in the 156th SEAC meeting held on 05th & 06th January, 2024. Even after prior intimation, the proponent was absent for the presentation. Currently, the proponent was absent and intimated withdrawal of the same application through e-mail dated. **Therefore, the Committee decided to recommend to allow the Proponent to withdraw the application.**

Item No.14 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Benny Abraham, Managing Partner, M/s.Amayoor Granites for an area of 3.6733 Ha at Re-Sy Block No: 2, Re-Sy. No: 33/8-2, in Pattambi Village and Re-Sy Block No: 24, Re-Sy. No's. 314/5 & 314/6 in Koppam Village, Pattambi Taluk, Palakkad (SIA/KL/MIN/440361/2023, 2184/EC1/2023/SEIAA)

As invited, the project proponent Sri. Benny Abraham, and Consultant Vikas Thripadhi from M/s. Parivesh Environmental Engineering Services were present. The Consultant made the

presentation. As per the application, the total mineable reserve is 1260199.75MT with an annual production of 150636.15 MTA. The life of mine is 12 years. The highest elevation of the permit area is 170 m AMSL and lowest is 101.8 m AMSL. The depth to water table is 9m bgl. The nearest habitation is at 205 m towards north side. The distance to the high hazard zone is 20.19 km and to the medium hazard zone is 10.48 km. The public hearing was conducted on 04.07.2023. The total project cost is Rs.3,32,42,863/-. The committee verified the additional documents sought in the 156th SEAC meeting and found them not satisfactory. **Hence the Committee decided to direct the project proponent to submit the following additional documents.**

1. Compensatory afforestation plan in an alternate site along with geotagged photographs of the proposed site, species details proposed to be planted and ownership details of the land as the proposed site is already vegetated.
1. Revised CER as per the guideline published in the SEIAA-Kerala website
2. As per records submitted, both OB dumping site (0.6761 ha) and compensatory afforestation site (1.44 ha) is shown as located in Sy.No. 314/5 of Koppam Village, on the northern side of project area. Part of project area is also falls in the same Sy.No. This requires clarification.
3. Consent letter from the land owner for dumping OB and for carrying out compensatory afforestation
4. Consent from the quarry pit owner for drawing water for daily use
5. Legible copy of the Non-Assignment Certificates
6. As per the drainage plan, channels are located only towards the northern side. Considering the topography of the project site, directions of the drainage channels are required towards other directions also, especially towards south & south-western directions. This has to be properly addressed and submitted.
7. Revised site specific EMP incorporating anticipated impacts of soil erosion and drainage issues along with incorporating revised CER. Also incorporate the recommendations and suggestions of additional studies carried out.
8. Plan for energy conservation measures.
9. Study report on landslide proneness.

Item No.15 Environmental Clearance for the Granite Building Stone Quarry of Sri. Ratheesh P S, M/s Highrange Granites at block no. 52, Re-survey no: 67/1 (Govt. land) in Karunapuram Village, Udumbanchola Taluk, Idukki. (SIA/KL/MIN/440674/2023, 2386/EC2/2023/SEIAA)

As invited the project proponent Ratheesh P S and RQP Sri. V.K. Roy was present. The RQP made the presentation. As per the application, the total mineable reserve is 1546545 MT. The life of mine is 10 years. The highest elevation of the permit area is 1060 m AMSL and lowest is 990 m AMSL. Building owned by the Proponent exists at 55.5 m and a crusher unit is at 25 m. The total project cost is Rs. 2.2 Crore. The depth to water table is 25m below ground level. **Based on discussions the Committee decided to direct the project proponent to submit the following additional documents.**

1. Valid NOC from the Revenue Department for the proposed land.

2. Details of Wild life sanctuary/ National park within 10 km radius of the site and Proof of application submitted for wildlife clearance from National Board of Wild Life, if applicable.
3. Approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05-2014 as the proposed area falls in moderate hazard zone.
4. Certificate from a revenue official not below the rank of Tahsildar with duly signed cadastral level map published on the website of KSBB demarcating the ESA and non-ESA areas in the village as Karunapuram is categorized as ESA village. The certificate should include the nature of land, nature of possession and a report on natural hazards like landslides, etc., if any.
5. Site specific EMP considering the hazard potential of the site as wells as considering the environmental sensitivity of the area and incorporating CER proposal.
6. Plan for compensatory afforestation with geo-tagged photographs of the proposed site, ownership details of the proposed site and species proposed to be planted.
7. Legible surface geological plan with elevation contour.
8. Detailed traffic study covering the roads in 5km radius of the project site and comprehensive traffic management plan.
9. Risk assessment study with special reference to landslide hazard potential of the area covering 5km radius of the project site with special focus on the project area and its surroundings by an agency of national repute.
10. Plan for providing a buffer of 200m between the project boundary and the nearby wind mills.
11. Plan for providing a buffer of 50m between the project boundary and the crusher.
12. Plan for flyrock management.
13. Detailed Drainage Map.
14. Map showing the OB dump along with protection measures for the OB dumping site.
15. Energy conservation measures.

Item No.16 Environmental Clearance for the Granite Building Stone Quarry of Sri. Sudarsan. C.K., for an area of 4.4517 Ha at Survey Nos. Re-Sy Nos: 1/1A in Tholambra Village, Thalassery Thaluk, Kannur. (SIA/KL/MIN/442433/2023, 2457/EC4/2023/SEIAA)

As invited, the project proponent, Sri. Sudarsan. C. K. and the Consultant, Sri. Cyriac Joseph was present. The Consultant made the presentation. As per the application, the total mineable reserve is 1769561.30 MT with annual production of 180000 MT and life of mine of 10 years. The highest elevation is 245 m MSL and the lowest is 120 m MSL. The depth to water table is 3.5m bgl. The project cost is Rs.770.1 lakh. The project area is very steep and falls in a medium hazard zone. The Committee observed that the adjacent quarry is not closed and therefore, there is cluster condition. **Based on discussion, the Committee decided to direct the project proponent to apply for ToR for conducting EIA study. The Committee also**

decided to direct the Proponent to get the approval of the District level Crisis Management Committee for mining as the proposed site falls in moderate hazard zone.

Item No.17 Environmental Clearance for the Granite Building Stone Quarry of Sri.M K Nassarudeen Musliar, M.K.N Bricks and Blue Metals Pvt. Ltd for an area of 4.9800 Ha at Block No.18, Re-survey nos: 86/7, 83/25, 83/12-1, 83/13-1-1, 84/2-3, 84/2, 84/2-5, 84/2-6, 84/2-4, 84/2-2, 84/2-1, 84/1, 84/6, 84/5, 84/16, 84/17, 84/18, 84/19, 80/1, 80/1-1, 80/14, 80/12, 80/12-1, 80/11, 80/8-3, 80/8-4, 80/8-1, 80/8-1-1, 80/13 in Anad Village, Nedumangad Taluk, Thiruvananthapuram.
(SIA/KL/MIN/446910/2023, 2448/EC3/2023/SEIAA)

As invited, the project preponement Sri. M. K. Nassarudeen Musliar, Managing Director, M/s.M.K.N Bricks and Blue Metals Pvt. Ltd. And RQP V.K. Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 1346442.5 MT with annual production of 134600 MTA from an area of 4.98 Ha. The life of mine is 10 years. The highest elevation is 135 m MSL and lowest is 75 m MSL. The depth to water table is 9m bgl. The distance to the high hazard zone is 16.2 km and to the medium hazard zone is 13.8 km. The nearest house is at 55.2 m. A Govt. School is at 555 m. The Peppara Wild Life Sanctuary is at 14.3 km. The project cost is Rs.3.5 Crore. The committee observed that there is another quarry adjacent to the project area. The project proponent intimated that the adjacent quarry had lease up to 2021 and it is not closed. Therefore, there may be cluster condition. **Hence, the Committee decided to direct the Proponent to get a report from the Mining and Geology Department regarding the closure of the quarry which had lease up to 2021. The Committee also decided to consider the proposal after getting clarification report from the Mining & Geology Department.**

Item No.18 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Mehroof Ali Thahir for an area of 0.9714 Ha at Re-Survey Nos.34/2 (34/206) in Chekyad Village, Vadakara Taluk, Kozhikode.
(SIA/KL/MIN/449123/2023, 2424/EC2/2023/SEIAA)

As invited, the project preponement Sri. Mehroof Ali Thahir and RQP Dr. Nazar Ahammed was present. The RQP made the presentation. As per the application, the total mineable reserve is 101997 MTA with an annual production of 33999 MTA. The life of mine is 3 years. A Buds School is at a distance of 930 m from the project site. The highest elevation of the area is 151 m MSL and lowest is 132 m MSL. The total project cost is Rs.20 lakh. The depth to water table is 8m below ground level at 92m AMSL. **Based on discussion, the Committee decided to direct the project proponent to submit the following additional documents.**

1. Lithological section of the site.
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area.

3. Plan for compensatory afforestation with geo-tagged photographs of the proposed site, ownership details of the proposed site and species proposed to be planted.
4. The proposed site for OB dump with measures for protection and its location in the map.
5. Plan for road development

Item No.19 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.(FIR Received) (SIA/KL/MIN/449132/2023, 2415/EC1/2023/SEIAA)

As invited, the project proponent Sri. Biju M.K. and the RQP V. K. Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 2206190 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 at 5 m from the boundary. Own buildings at 39.2 m, 62.3m and at 73.7 m. Nearest habitation 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 discussions the Committee decided to direct the project proponent to submit the following additional documents.**

1. Certified Compliance Report from the IRO, MoEF & CC
2. Revised Project cost
3. Compensatory afforestation plan along with geo-tagged photographs of the site, ownership details of the proposed land and details of species proposed to be planted
4. Drainage Plan with adequate number of siltation ponds and silt traps
5. Plan for fencing with GI sheets along the boundary between BP-9, 14, 1 for a minimum of 3m height apart from the normal fencing.
6. Plan for maintaining buffer of 50m between the project boundary and the crusher and other buildings near to the proposed site.

Item No.20 Environmental Clearance to Smt. S Jayasree for Silica Sand mining for an area of 1.0552 Ha. (2.6074 Acres) at Sy. Nos. 58/11B1, 58/11B2, 58/14 in Panavally Village, Cherthala Taluk, Alappuzha District, Kerala. (SIA/KL/MIN/45722/2019, 1591/EC4/2020/SEIAA)

As per the decision of the 147th SEAC meeting, the proponent was invited for presentation, but the proponent was absent. The proponent was invited for presentation during 151st SEAC meeting and the proponent was again absent. Hence the Committee decided to defer the

proposal. Currently the proponent was invited for presentation, but the proponent was absent with prior intimation. **Hence the Committee decided to defer the proposal.**

Item No.21 Environmental Clearance for the Granite Building Stone quarry project of Sri. Kaderbabu E.K for an area of 3.4739 Ha at Block No.2, Sy.No.111/4, 111/7, 111/8, 111/2, 111/10, 111/5, 111/6 in Kannamangalam Village, Tirurangadi Taluk, Malappuram. (SIA/KL/MIN/47565/2019, 1515/EC3/2019/SEIAA)

As invited the project proponent Sri. Kaderbabu E.K and the Consultant Sri. Dhamodaran were present. The EIA consultant made the presentation. The total mineable reserve is 10,56,417 MT and the production rate is 88000 TPA. The life of mine is 12 years. The elevation of the site prior to mining varies from 365m to 190m above MSL and post mining it varies from 360m to 185m above MSL. The depth to water table is 5m bgl. The nearest house is at 102m from the project boundary. The project area is mostly within the moderate hazard zone. During the presentation, the committee opined that the EIA report is incomplete as it does not comply with many of the ToR. The Consultant during the presentation stated that a revised EIA report incorporating all the shortcomings and compliance to all the ToR including specific studies will be submitted within a week. **The Committee decided to:**

- 1. Direct the Proponent to submit revised EIA report incorporating all the shortcomings and compliance to all the ToR including specific studies will be submitted within a week as stated by the Consultant.**
- 2. Entrust Dr. A. V. Raghu and Sri. V Gopinathan for evaluation of the revised EIA report as and when it is submitted.**
- 3. Direct the Proponent to submit the approval of District Level Crisis Management Committee for mining as the project site is located within the moderate hazard zone.**

PART – 3

Item No.01 Environmental Clearance for the removal of Building Stone Minor Mineral Mining (Quarry) project of M/s Rock field Estates Pvt. Ltd. at Block No. 48 in Re-Survey No. 400/1, 400/2, 401/5-2, 406/5 of Chengalam (E) Village, Kottayam Taluk, Kottayam District, Kerala. (Proposal No: SIA/KL/MIN/175300/2020, File No: 1987/EC3/2022/SEIAA)

The Committee noted the direction of the 137th SEIAA meeting held on 29th & 30th January 2024. The Authority referred the case to SEAC to give a fresh recommendation after hearing both the Project Proponent and the Petitioner Sri Sajan George. NGT in OA No. 56 of 2022(SZ) ordered that “no separate order in the original petition as the project itself is over and the concerned authorities have taken appropriate action”. Hon’ble High Court in its judgment dated 17/1/2023 in W P (C) No 828/2023 directed SEIAA to consider the application for EC expeditiously after hearing the Project Proponent and Sri. Sajan George.

Therefore, the committee decided to issue hearing notice to the Proponent and Sri. Sajan George for hearing in the next meeting.

**Item No.02 Environmental Clearance for the Laterite building stone quarry of Sri. Kunhi Mohammed at Re-Survey No-1/41(1/1B2) in Poolakode Village, Kozhikode Taluk, Kozhikode.
(SIA/KL/MIN/286387/2022, 2077/EC4/2022/SEIAA)**

The committee examined the detailed OB dump site plan and the clarification provided by the PP regarding the life of the mine and the production details as sought as per the direction of SEIAA. The PP intimated that “normally in the laterite mining sites, due to different reasons, the project could not be completed in scheduled time. Hence instead of year-wise decision in the mining plan Parts are mentioned as 1st Part and 2nd Part. Hence it is scheduled as an annual maximum production of 20391 MT and hence if any lag in production arises which can be adjusted in the mine life, so it is mentioned as three years”. The SEAC discussed the explanations and found it satisfactory. Therefore, the Committee decided to adhere to the earlier decision to recommend EC as per the approved mine life of 3 years subject to the following specific conditions as recommended in its 150th meeting.

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/labourers 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 pm)

**Item No.03 Environmental Clearance for the Mining of Building Stone Quarry project of Sri. Saji Abraham for an area of 1.4718 Ha at Sy. Nos. 917/3B2-2, 917/3B, 917/3B-2, 917/3B1, 917/4-2-3, Kalloorkkad Village, Muvattupuzha Taluk, Ernakulam
(SIA/KL/MIN/288750/2022, 2129/EC3/2022/SEIAA)**

The committee examined the application submitted by Sri. Saji Abraham for an area of 1.4718 Ha. The total mineable reserve of 0.501070 Million Ton (1,00,000 MTA) for mine life of 5 years The highest elevation is 75m and the mine void is 40m. The 137th meeting of the SEAC verified the cluster certificate produced indicating that the total area including the proposed project is 3.416 Ha and there are two other quarries under consideration of the SEAC for issuance of EC which together constitute an area of 2.9743 Ha. Hence the total area within 500m radius comes to more than 5 ha. The Committee directed the PP to submit ToR application for EIA studies. The proponent informed that the requirement of ToR for the project is not tenable quoting various OM dated 9.9.2013, 24.12.2013, 7.10.2014, 15.1.2016 and 12.12.2018. The Committee also noticed that the project proponent of M/s Jesus Granites which is included in the cluster of Sri. Saji Abraham with an area of 1.4962 ha submitted a request to withdraw the EC application. **Based on discussions, the Committee decided to invite the proponent for presentation.**

**Item No.04 Environment Clearance for the Granite Building Stone Mining Project of Sri. T.C. Johnson, Managing Partner, M/s Star Rock Products Pvt. Ltd. for an area of 0.9995 Ha in Re-survey No. 50/4, 52/2/2, at Ayyampuzha Village, Aluva taluk, Ernakulam, Kerala.
(SIA/KL/MIN/40283/2019, File No: 1457/EC3/2019/SEIAA)**

The committee noted the decision of SEIAA, directing the project proponent to complete the mine closure as per the mine closure plan approved by the Mining and Geology Department and submit a certificate regarding the completion of the closure activities. **Based on discussions, the Committee decided to direct the Proponent to submit Mine closure certificate as per the mine closure plan approved by the Mining and Geology Department.**

**Item No.05 Environmental Clearance for the granite building stone quarry of Sri. Saji K Elias M/s. Managing Director, Mariyem Granites Private Limited for an area of 1.5899 Ha at Block No.41, Re-Survey No. 303/2- 1,303/2-2 in Thiruvaniyoor Village, Kunnathunadu Taluk, Ernakulam.
(SIA/KL/MIN/405841/2022; File No. 2153/EC3/2022/SEIAA)**

The Committee noticed that in the 124th SEIAA meeting decided to take action against violation of conditions of the EC issued as per file No. SIA/KL/MIN/262617/2022;

553/SEIAA/EC3/4087/2014. The Authority decided to keep the proposal in abeyance till the violation procedures initiated against the Project Proponent have been completed. **As per the decision of SEIAA, the committee decided to recommend delisting of the application.**

Item No.06 Environmental Clearance for Granite Building Stone Quarry of Sri. Unneenkutty for an area of 0.5192Ha at Block No. 36 Re. Survey no. 347 in Kulukkallur Village, Pattambi Taluk, Palakkad, Kerala (SIA/KL/MIN/411075/2022, 2241/EC1/2023/SEIAA)

As per the application, the total mineable reserve is 102914 MT. The proposed life of mine is 5 years. The project cost is 60 lakh. The nearest building is at 100.1 m. Depth to water table is 9 m below ground level. The highest and lowest elevation is 65 m & 56 m respectively. The distance to the medium hazard zone is 8 km and to the high hazard zone is 27.22 km. The Committee observed that the monitoring data submitted with the application is more than 4 years old as the application date is 17.12.2022 and date of baseline data monitoring is 16.10.2018 to 17.10.2018. Since the Project Proponent has not complied with the conditions stipulated in the Clause 6 (iii) & (iv) of the Office Memorandum of the MoEF&CC dated 08.06.2022, the Committee decided that the project cannot be appraised and to inform the Project Proponent accordingly. However, the 137th SEIAA meeting the Authority noted that the project proponent has provided the physical copy of the latest baseline data on 19.12.2023 and forwarded the latest baseline data to SEAC for further appraisal on its merits. As per OM dated 8.6.2022 of the MoEF, the baseline data should not be more than 3 years old at the time of submission of application for EC. Further, the OM states that “at the time of application for EC, in case the baseline data is older than 3 years, but less than 4 years (except in the case of river valley and HE projects), the same shall be considered subject to the condition that it is revalidated with one season fresh non-monsoon data collected after 3 years of the initial baseline data”. **Therefore, in the preset case, the application is not found acceptable as there is gap of more than four years between the date of monitoring of baseline data and the date of application. Therefore, the Committee decided to seek specific direction from the SEIAA regarding the continuation of appraisal of the project proposal considering the relevant clauses in the OM dated 8.6.2022.**

Item No.07 Environmental Clearance for the proposed Granite Building Stone Quarry of Sri. Rajan for an area of 0.6551 Ha at Re Survey No. 111/1A1A in Koothali Village, Koyilandy Taluk, Kozhikode. (SIA/KL/MIN/419783/2023, 2278/EC4/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the application, the mineable reserve is 1,56,887.5MT and mine life of mine is 5 years. The project cost is 1 Crore. The highest and lowest elevations are 125m & 100m AMSL. The highest and lowest elevations are 125m & 100m AMSL. The medium hazard zone is at 4.32Km and Malabar Wild Life Sanctuary is 3.3km from the proposed area. The Committee noted that application is submitted on 1.3.2023 and the baseline data was monitored from 14.3.2018 to 18.3.2018. As per OM dated 8.6.2022 of the

MoEF, the baseline data should not be more than 3 years old at the time of submission of application for EC. Further, the OM states that “at the time of application for EC, in case the baseline data is older than 3 years, but less than 4 years (except in the case of river valley and HE projects), the same shall be considered subject to the condition that it is revalidated with one season fresh non-monsoon data collected after 3 years of the initial baseline data”. **There is gap of more than four years between the date of monitoring of baseline data and the date of application. Therefore, the Committee decided to seek specific direction from the SEIAA regarding the continuation of appraisal of the project proposal considering the relevant clauses in the OM dated 8.6.2022.**

Item No.08 Environmental Clearance for the proposed Laterite building stone quarry of Sri. Mohammed Chakkingal, at Re-Survey No.172/3206 in Kodyathoor Village, Kozhikode Taluk, Kozhikode (SIA/KL/MIN/423117/2023, 2282/EC4/2023/SEIAA)

The 137th meeting of the SEIAA opined that by limiting the depth of mining to an average of 2m, the mineable quantity recommended from an area of 0.1858 Ha for a period of 2 years does not seem to be feasible. Further there may be top soil of 0.5 m thickness. Hence mining will be limited to about 1.5 m. Feasibility of such small activity has to be verified. Under this circumstance, **the Committee decided seek the response of the project proponent on the observation of SEIAA**

Item No.09 Environmental Clearance for the Granite Building Stone Quarry of Sri. Sukumaran K, President, Ottappalam Taluk Karinkal Quarry Operators Industrial Co-operative Society Limited for an area of 0.8856 Ha at Block No. 36 Survey No : 468/3-9, 468/3-6 & 468/3-5 in Kulukkallur Village, Pattambi Taluk, Palakkad, Kerala (SIA/KL/MIN/426226/2023, 2267/EC1/2023/SEIAA)

The Committee examined the application submitted of Sri. Sukumaran K, as per the application, mineable reserve is 196455 MT (44,500 MTP) and mine life is 5 years. The project cost is 80,00,000 /- The highest elevation is 95m MSL/RL and the lowest elevation is 45 m MSL/RL. The Chulanur Peafowl Sanctuary is at 33.3 Km SE and the Silent Valley National Park is at 32 Km NE from the proposed area. The moderate hazard zone is at 16.20 km. The Committee observed the following shortcomings in the application and documents submitted.

1. Revised CER as per the guideline published on the website of SEIAA-Kerala
2. Depth to water table measured in the nearest dug well along with geo-tagged photograph of the well, relative relief of the well location, distance of the well from the project boundary.
3. Recently certified legible Survey map showing the built structures within 200m radius

The Committee noted that the application date is 15.4.2023 and the date of baseline data monitoring are 28.1.2021 (Air quality), 28.1.2019 (Water quality) and 27.1.2019 (Noise

level). In the application, it is noted that the baseline monitoring is done from 28.1.2021 to 29.1.2021. Thus, the applicant tried to mislead the Committee. Further, there is gap of more than four years between the date of monitoring of baseline data (Water quality and Noise level) and the date of application. Therefore, the Committee decided to seek specific direction from the SEIAA regarding the continuation of appraisal of the project proposal considering the relevant clauses in the OM dated 8.6.2022 and also considering the fact that the applicant tried to mislead the Committee.

Item No.10 Environmental Clearance for the Laterite (Building Stone) Quarry project of Sri. Manikandan K., for an area of 0.1943 Ha. at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur. (SIA/KL/MIN/429142/2023, 2280/EC4/2023/SEIAA)

The Committee reexamined the proposal as per the directions of the 137th SEIAA meeting along with the documents submitted by the PP as sought by SEIAA. The Committee verified the documents. Based on discussion, the committee decided to direct the Proponent to revise the EMP by considering the additional documents submitted as per the direction of the 137th SEIAA meeting along with the cost required for implementation of the EMP.

Item No.11 Environmental Clearance for the Laterite (Building Stone) Quarry project, of Sri. Santhosh Kumar K. for an area of 0.1943 Ha. at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur (SIA/KL/MIN/429176/2023, 2291/EC4/2023/SEIAA)

The Committee reexamined the proposal as per the directions of the 137th SEIAA meeting along with the documents submitted by the PP as sought by SEIAA. The Committee verified the documents. Based on discussion, the committee decided to direct the Proponent to revise the EMP by considering the additional documents submitted as per the direction of the 137th SEIAA meeting along with the cost required for implementation of the EMP.

Item No.12 Environmental Clearance for the Laterite (Building Stone) Quarry project of Sri. M. Rajan, for an area of 0.1943 Ha. at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur. (SIA/KL/MIN/429187/2023, 2277/EC4/2023/SEIAA)

The Committee reexamined the proposal as per the directions of the 137th SEIAA meeting along with the documents submitted by the PP as sought by SEIAA. The Committee verified the documents. Based on discussion, the committee decided to direct the Proponent to revise the EMP by considering the additional documents submitted as per the direction of the 137th SEIAA meeting along with the cost required for implementation of the EMP.

Item No.13 Granite Building Stone Quarry of Shri. Raghulan Pillai located in Re-Sy Nos.354/1/305 & 354/1/305/236 Pt, Karavalur Village, Punalur Taluk, Kollam District, Kerala State over an extent of 1.9000 ha. (4.6949 Acres). (SIA/KL/MIN/43381/2019, 1580/EC2/2019/SEIAA)

The committee verified the application and observed that the proposal is pending for more than 365 days, for want of a report from the DC, Kollam regarding the land dispute. Even after forwarding a D O letter the report is yet to be received. It is also noted that project Proponent filed the WP (C) No. 26894/2023 and is under consideration of Hon'ble High Court. There is also complaint against issuance of EC quoting difficulties of the local people. **In the circumstance, the committee decided invite the Proponent for presentation. The presentation shall include details of the additional documents as well as the response to the complaints by the local people.**

Item No.14 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Ganesh B. for an area of 0.1942 Ha at Block No.91, Re-Survey No: 3/910 in Kalliad Village, Iritty Taluk, Kannur. (SIA/KL/MIN/436713/2023, 2332/EC4/2023/SEIAA)

The committee reexamined the proposal and **recommended EC for the mine life of 2 years subject to the following Specific Conditions as decided in its 156th meeting:**

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/labourers 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 pm)

Item No.15 Environmental Clearance for the Granite Building Stone Quarry project of Sri. Sasidhara Kurup. K for an area of 1.9152 Ha at at Survey Block No.44, ReSurvey Nos. 147/8, 147/9, 147/3, 154/5, 154/8, 154/9, 161/5, 161/15, 161/16, 161/6, 160/3, 160/4 (own land), 154/4pt (Government land) in Elamba Village, Chirayinkeezhu Taluk, Thiruvananthapuram District, Kerala. (SIA/KL/MIN/449111/2023, 2452/EC2/2023/SEIAA)

As per the application, the total mineable reserve is 502714 MT. The life of mine is 8 years. The highest elevation is 110 m MSL and lowest is 40 m MSL. The depth to water table 10m bgl. The distance to the medium hazard zone is 18.31 km. The nearest house is at 52.7 m. The project cost is Rs.2 Crore. The life of mine is 8 years. The project boundary is found overlapping with the adjacent existing quarry of the same Proponent with EC No. 13-18-P/21952/17 (DIA/KL/MIN/9756/2017) dated 21.3.2018. The EC for the quarry with an area of 1.1405 Ha is expired on 21.3.2023, but the mining in the quarry continued as per order of the Hon. High Court. Hence the project is considered as an expansion project and therefore CCR is obtained from the IRO, MoEF, Bangalore. The committee examined the CCR dated 31.1.2024 and noted that the project proponent mined excess quantity of material than the permitted quarry of 47000 TPA as per EC and violated the EC conditions. Accordingly, the PP paid a penalty of Rs. 5,44,15,456/- on 6.2.2023 for excess quantity mined. The Proponent also violated many other EC conditions as observed in the CCR. **In the circumstances, the Committee decided to intimate the non-compliance of EC conditions to SEIAA to address the Pollution Control Board to assess the environmental damages and take penal actions The Committee also decided to recommend delisting of the application.**

Item No.16 Environmental Clearance for the Granite Building Stone quarry project of Sri. Sainudheen C. K, M/s Yesco Granites LLP for an area of 0.9460 Ha in Survey No.202/2, in Elankur Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/46586/2019, 1573/EC3/2019/SEIAA)

The Committee discussed the Field Inspection Report conducted on 14.12.2023 in detail. The total Mineable reserve is 352995MT with an average annual production 25000MT. The life of mine is 5 Years. The estimated project cost is 97.80 Lakh. The highest and lowest elevation are at 110m and 90m above MSL respectively. The depth to the water table is reported as 20 m bgl. The distance to the nearest built structure is 98.73m. The ultimate depth of mining is 25m above MSL. The distance to moderate hazard zone is 8.58km and distance to high hazard zone is 12.63km. An evaluation of the EIA report indicated that many of the ToR for preparing EIA report is not complied with. **The committee decided to get the**

following additional details/documents from the project proponent for further appraisal:

1. OB dump location on plan map
2. Revised water requirement based on actuals
3. Revised site specific EMP with budget for Recurring and non-recurring costs
4. Revised CER as per the guidelines uploaded in the SEIAA website
5. Proposed energy conservation measures
6. Proposed sanitation and waste management measures
7. Revised EIA report incorporating all the above details and the non-complied ToR

Item No.17 Environmental Clearance for the Granite Buildibg Stone Quarry of Sri. M.I.Mohammed, United Granites for an area of 4.7134 Ha at Block No. 29, Sy.Nos. 301/2, 285/1-2 Mazhuvannur village and Block No. 28, S.F.Nos.410/8-2, 410/7-2, 410/5-2 in Arackappady Village, , Mazhuvannur Grama Panchayath, Kunnathunad Taluk, Ernakulam (ToR Approved Proposal) (SIA/KL/MIN/71717/2019, 1518/EC4/2019/SEIAA)

The committee examined the proposal and found that the project proponent submitted a fresh application with in the same survey No.s and extent (proposal no. SIA/KL/MIN/63669/201 and File no. 1925/EC3/2021/SEIAA). The fresh application covers the same survey numbers wherein a project is under appraisal in the 158th meeting, **In the circumstance, the committee decided to delist the application.**

Item No.18 Environmental Clearance for the Expansion of Technopark Phase III in Attipra Village, Thiruvananthapuram Taluk, Thiruvananthapuram, Kerala.
(SIA/KL/MIS/52532/2019, 1555/EC1/2019/SEIAA)

The Committee noted the legal opinion obtained from the Legal Officer, SEIAA and verified the evaluation report of the additional documents submitted and found that the following documents/ clarification submitted are not satisfactory. In the situation, the Committee decided to direct the PP to submit the following documents.

1. As per GO No.66/2023/ AGRI dated 14.7.2023 allowing conversion of paddy land of 39.54 ha for area development of IT projects and directed to provide 10 % of the land allotted to Technopark Phase III for RWH with capacity of 24,000 cum within an area of land of 16,000 sqm and 1.5 depth of pond. The land area to be earmarked for this is purpose is about 4 Acres. Also directed to provide proposal for tapping and diverting rain water from all proposed buildings to Rain water storage Tank. Detailed proposal/ DPR in this aspect for the remaining quantity (24,000- 7358= 16,642 cum) is required to be submitted by the proponent.
2. Findings of the study on shrinkage of main stream flowing through the boundaries of Phase I and II and across Phase II.
3. Details of the diversion of drain/ stream and encroachment of the portion of the stream

4. The waste water generation is given as 3600 cum and MBR technology is proposed for the Sewage Treatment as per the Application,. But in the EIA report, the STP capacity is given as 1250 cu m (500 cu m new MBR based STP and by adding with an existing 750 KLD MBBR plant). Provide clarification for the above mis match.
5. Provide the plan for solid waste management for the cumulative capacity of waste generation in the Phase I ,II and III projects.
6. Re-examine the list of essential Rules to be complied as part of the environmental management including KMBR and revise the EMP accordingly.
7. Submit a comprehensive impact assessment with respect to nearby communities, which is not done with respect to various environmental aspects that affect the local communities.
8. Re-examine whether the buildings which have come up in the proposed project area and proposed to be constructed have approvals from the Local Authority as there are many buildings which have come up in and around the proposed project area. It may be examined as to how they are proposed to be managed.
9. Incorporate possible carbon footprint contribution from each activity and measures proposed for reduction as part of the Environment Management Plan along with action / adequacy of biocapacity to be provided to absorb the emission.
10. Revised storm water management plan, considering the proposed RW harvesting facility, diversion of drain, encroachment of the portion of the stream, if there any, and detention pond., potential for recharging of rain water for replenishing of local ground water using site specific methods.
11. Submit integrated EMP by considering the EMP proposed for the master plan as well as those approved projects having EC.
12. Submit a comprehensive impact assessment with respect to nearby communities, which is not done with respect to various environmental aspects that affect the local communities.

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

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. (File No. 727/SEIAA/EC1/6106/2014)

As directed by the 113th meeting of the SEIAA, the proposal was considered by the Committee in its 118th and 130th meeting. The Committee sought the revised scheme of mining, which is yet to be submitted and report on the extracted and remaining mineable reserve certified by the Mining & Geology Department & CCR from IRO, Bangalore. The CCR indicated 'satisfactory' compliance. Certificate dated 03.08.2022 from the Mining & Geology Department stated that two quarrying permits were granted to M/s.U.K.Granites during the period from 24.05.2016 to 01.02.2019 for quarrying granite building stone from 0.8098 Ha (out of 4.685 Ha of EC area). The total minable reserve for the entire EC area as per the approved Mining Plan is 15,68,548.25 MT, out of which 50,715 MT was mined

during the period from 24.05.2016 to 01.02.2019 and hence 15,17,833.25 MT of granite building stone remains as the balance quantity. With regard to the submission of revised scheme of mining the proponent vide Letter dated 06.09.2022 stated that they were mining on permit in 0.8098 Ha out of 4.685 Ha of EC area, since they have no lease the Mining & Geology Department will not issue the required scheme of mine. Hence the proponent requested to consider the revalidation proposal. As per the decision of the 133rd meeting of SEAC, field inspection was conducted on 27.01.2023. The field inspection report stated that there are three mining plans for the site, the first being dated 16-03-2015 with life of mine as 10 years based on which EC was issued by SEIAA on 15-01-16. In this EC, project life is 20 years. However, the proponent did not start mining and went for second mine plan (dated 31/1/2018) for an area of 0.8098 Ha within the area having EC based on first mine plan and worked as a permit quarry. This quarry worked for 2 years with permit dated 2/2/18 and mined a total of 50,715 MT during 24/5/16 to 12/2/19. Then in 2019 third mine plan was prepared (23/10/19) for an area of 1.6067 Ha with life of mine of 12 years . But due to the stalemate consequent to the outbreak of Covid Pandemic, the Proponent was not able to get the Lease agreement within the stipulated time.

The 141st meeting of SEAC sought clarity with respect to the three mining plans issued by the Mining & Geology Department, the applicable approved mine plan and the life of mine estimated, the lack of details regarding the grant of lease etc. and invited the Proponent for presentation with all details. The 146th SEAC heard the Proponent and sought a Certificate from the Director of Mining and Geology stating that the mining that was undertaken will not affect the execution of the original Mining Plan for which EC was issued in 2016. The 127th SEIAA, meeting directed to submit the applications with all the ADS through PARIVESH Portal. The 154th SEAC meeting observed that as per the application, the project proponent requested for revalidation of the EC issued on 15.01.2016 for an area of 4.685 Ha. The field inspection report recommends for revalidation of 1.6067 Ha. There is a lack of clarity regarding the area for which the extension has to be sanctioned and hence the Committee entrusted a Sub-committee to examine the documents and submit specific recommendation. The Sub Committee recommended revalidation with a Project life of Ten Years from the original date of EC (15.1.2016) as per third mining plan for an area of 1.6067Ha. The Committee needed more clarity to agree to the recommendation of the Subcommittee by considering the status of the three mine plan as given below.

Mine Plan	Date	Area (Ha)	Mineable Reserve (MT)	Production rate (TPA)	Mine Life (Years)
1	16.3.2015	4.6850	15,68,548.25	2,19,353	10
2	31.1.2018	0.8098	2,34,825	46,965	5
3	23.10.2019	1.6067	3,76,065	31,300	12

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. **Based on discussion, the Committee decided to defer the decision to the next meeting.**

Item No.02 **Extension of EC for the Granite Building Stone Quarry Project of Sri. Sivasankaran. P for an area of 2.9103 Ha at Sy.No.318/1/1, 318/1/2, 318/3 pt, 318/4, 319 pt in Thiruvalli Village, Nilambur Taluk, Malappuram (SIA/KL/MIN/252208/2022, 857/SEIAA/EC1/2981/2015)**

The Committee examined the proposal and documents submitted and decided to defer the decision to the next meeting.

Parivesh 2

Item No.01 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. N Ajaya kumar for an area of 0.1942 Ha at Block No:30, Re-Survey No:458/2 of Eramam Village, Payyannur Taluk, Kannur District, Kerala (SIA/KL/MIN/458113/2024)**

The Committee examined the proposal submitted by Sri. N Ajaya Kumar and observed that the life of mine proposed is 2 years. The project cost is 4.724 lakh. The Committee decided to invite the Proponent for presentation. The presentation shall include the geo-tagged photographs and video of the entire area.

Item No.02 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Muhammed Basheer for an extent of 0.9786 Ha at Re-Survey No: 143/6-2 in Ponmala Village, Tirur Taluk, Malappuram. (SIA/KL/MIN/459132/2024)**

The Committee examined the proposal submitted by Sri. Muhammed Basheer and observed that the life of mine proposed is 3 years. The project cost is 20.24 lakh. Total recoverable quantity is 94190.25 MT for three years at a rate of 31396.75 MT per annum. The Committee decided to invite the Proponent for presentation. The presentation shall include geo-tagged photographs and video of the entire area.

Item No.03 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. C Aboobakkar for an extent of 0.0858 Ha at Block No: 139, Re-Survey No:390/101 of Chuzhali Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/459386/2024)**

The Committee examined the proposal submitted by Sri. Aboobakkar and observed that the life of mine proposed is 1 year. The project cost is 3.469 lakh. The total recoverable quantity is 6006 MT for one year. The Committee decided to invite the Proponent for presentation. The presentation shall include the geo-tagged photographs and video of the entire area.

Item No.04

Environmental Clearance for the Granite Building Stone Quarry of Sri. Shri P M Ibrahim, Managing Partner, M/s. Southern Granites, for an extent of 4.6057 Ha at Re-Survey Nos 327/3, 328/2, 328/4, 329/4, 328/5, 330/5 & 329/3 in Pringom Village, Payannur Taluk, Kannur (SIA/KL/MIN/ 457699/2024)

The Committee verified the application submitted by Shri P M Ibrahim, Managing Partner, M/s. Southern Granites, Madakampoyil, Peringome-Post, Kannur, and observed that the life of mine proposed is 10 years. The production capacity is 120000 MTA. As per the cluster certificate, there is another quarry, viz, M/s Jas Granites within 500m radius of the project. The Total area considering the adjacent quarry becomes more than 5 ha and hence there is a cluster situation. Therefore, the Committee decided to direct the PP to submit a ToR application for EIA study.

The Committee decided to convene its 160th meeting on 2nd March (Online platform) and its 161th meeting on 13th, 14th & 15th March 2024

The Meeting ended by 6.00pm

Sd/-

**Suneel Pamidi, IFS
Member Secretary, SEAC**

Sd/-

**Dr. R. Ajayakumar Varma
Chairman, SEAC**

LIST OF PARTICIPANTS:

Sl.No.	Name	19.02.2024	20.02.2024	21.02.2024
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.	Smt. Beena Govindan	√	√	X
7.	Dr.C.C.Harilal	X	X	X
8.	Dr.K.VasudevanPillai	√	√	√
9.	Dr. MaheshMohan	X	√	√
10.	Dr.K.N.Krishna kumar	X	X	X
11.	Sri.V.Gopinathan	√	√	√
12.	Dr.A.V.Raghu	√	√	√
13.	Dr.N.Ajithkumar	√	√	√
14.	Suneel Pamidi(Secretary)	√	√	√