MINUTES OF THE 149TH MEETING OF SEAC, KERALA HELD ON 21ST & 22ND AUGUST 2023 IN VIRTUAL MODE

The 149th meeting of SEAC, Kerala started at 10.00 AM on 21st August 2023. Dr. R. Ajayakumar Varma, Chairman, SEAC Kerala chaired the meeting. The Committee discussed the agenda items in detail and took the following decisions:

PHYSICAL FILES

1. **Noting of minutes of the 148th SEAC meeting held on 8th & 9th August 2023**

Decision: Confirmed

2. **Environmental Clearance issued to the Granite Building Stone quarry of M/s. Delta Aggregates & Sands Pvt. Ltd. for an extent of 3.7691 Ha. at Survey. Nos. 889/1-15-1 & 889/1-15, Perunad Village, Ranni Taluk, Pathanamthitta, Kerala- Interim order dated 25.10.2022 in WP(C) No.33896 of 2022 filed by M/s. Delta Aggregates & Sands Pvt. Ltd (SIA/KL/MIN/163854/2020; 1773/EC1/2020/SEIAA)**

Decision: The Committee examined the document submitted by the proponent and found that the cadastral map certified by the Tahasildar, Ranni Taluk, regarding the ESA area is not legible and does not include survey numbers. The project proponent has not submitted all the details as directed by the 123rd SEIAA regarding the consideration of applications in ESA villages. **Therefore the Proponent is directed to submit all the required documents as directed by the 123rd meeting of the SEIAA regarding the consideration of applications in ESA villages for further appraisal.**

3. **Environmental Clearance issued for the Granite Building Stone Quarry of Sri. C. Krishna Pillai at Block No - 27, Re-Survey Nos. 283/1pt, 283/2pt, 283/4, 296/3pt in Ezhumattoor Village, Mallapally Taluk, Pathanamthitta District, Kerala – Complaint received from Smt. Usha Mohan (SIA/KL/MIN/165625/2020, 1440/EC1/2019/SEIAA)**

Decision: The Committee examined the vibration study report and other documents submitted by the proponent. The Committee noted that as per the compliance report the proponent has complied with all the observations mentioned in the field visit report. Considering that the neighboring populations are affected, **the Committee decided to hear both the Complainant & Project Proponent.**

4. **Environmental Clearance issued by MoEFCC to the Hospital Complex Project, St. Gregorios Medical Mission Hospital at Sy. Nos. 286/2, 286/3, 286/16 in Kadapra Village & Panchayath, Thiruvalla Taluk, Pathanamthitta District, Kerala – Request for inspection of the remedial plan and release of Bank Guarantee (File No. 1346/EC1/2023/SEIAA)**

Decision: The Committee noted the decision of SEIAA and **decided to entrust Dr. R. Ajayakumar Varma and Smt. Beena Govindan for field inspection and report.**

5. **Environmental Clearance for the Granite Building Stone Quarry of Sri. Vijayan . R in Re.Survey No. 339/4 in Pallikkal Village, Varkala Taluk, Thiruvananthapuram (Re uploading of the proposal No. SIA/KL/MIN/164458/2020) (SIA/KL/MIN/411101/2022 , 1847/EC1/2020/SEIAA)**

Decision: The Committee noted the decision of SEIAA. It is noted that the total area proposed for mining is 3900m^2 and area available for mining after buffer 2250m^2. It has been estimated that the minimum area required for operating the essential machines, setting the blasting array, and storage of materials on a day-to-day basis is about 900 m^2. This is by considering the width and height stipulated for benches as 5m each, the length of the blast hole array, generally, as12 to 15m, width requirement of access ramps as around 3.5m, area required for parking, loading and turning a medium sized truck as around 490 m^2, space required for excavator operation as 150 m^2, area required for stacking the excavated materials as 100 m^2 and area required for storage of machine tools and free space as around 50 m^2. After leaving 900m^2 required for environmental safeguards, there would be possibility for mining two and a half benches, i.e. up to a depth of 13m bgl, to extract 5200MT granite building stone. The Sub Committee of the SEAC in its draft report estimated minimum area required for mining granite building stones in Kerala ensuring environmental safeguards as 0.5 Ha. **The proposal was considered by the 123rd SEAC and has been under appraisal for quite a long and therefore, the Committee decided to recommend the proposal for EC with specific direction to limit the mining to a maximum depth of 13 m to extract 52000 MT of granite building stone, as a special case.**

6. **Common judgment dated 11.12.2019 in WP (C) No.5589/2019, WP (C) No.9656/19 and WP (C) No.25439/2019 filed by Sri. Unnikrishnan.K.P and the President,Vaniyamkulam Grama Panchayat against M/s JMC Granites, Palakkad-Constitution of Joint Committee for monitoring the status of compliance (File No.4429/A2/2019/SEIAA)**

Decision: The Committee noted the decision of SEIAA and **decided to hear the proponent and the complainant Sri. Sreedharan. The SEIAA secretariat shall intimate them well in advance.**

PART 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. **SIA/KL/MIN/128666/2019; 1958/EC1/2022/SEIAA**
   Granite Building stone quarry of Sri. Martin Varghese, with an area of 0.996 Ha at Re- Survey Nos. 96/5, 96/6 Block No.2 in Vilapilsala Village, Kattakada Taluk, Thiruvanathapuram, Kerala. (ADS Received)

Decision: The Committee verified the documents submitted by the proponent. Regarding the Wildlife clearance, the Wildlife Warden, vide letter No. B1681/2023 dated 20.5.2023 stated that though the proposed quarry is located at a distance of 9.84km from the Neyyar WLS, it does not require Wildlife clearance as it is beyond 1km from the boundary. The Committee noted that the depth of mining should be limited to 54m above MSL considering the depth to water table. The Committee also noted the following shortcomings.

1. It is observed that neither the transportation plan nor the road development plan states the width of the village road (proposed to be used for transportation) and its feasibility and carrying capacity to run trucks for transporting granite building rocks.
2. The boundary pillars, though found fixed firmly using concrete, the geo-coordinates are not found marked permanently with paints.
3. The proof of stakeholder consultation with regard to the CER is not found submitted.
4. The compensatory afforestation plan should have details of species to be planted and ownership details of the proposed land which are not found uploaded.
5. As per the google map uploaded by the Proponent, there is a crusher at 15m from the BP8 and other building adjacent to BP6 which are not shown in the survey map. There is no clarification provided for this discrepancy.

Hence the Committee decided to direct the Proponent to submit the details for Item 1 to 4 above and clarification for Item 5 above.

2. **SIA/KL/MIN/132766/2019; 1718/EC6/2020/SEIAA**
   Environmental Clearance for the Granite Building Stone Quarry of Sri. M. Kunhi Muhammed for an area of 0.6301 Ha. at Re- survey no. 337/1 in Morayur village, Kondotty Taluk, Malappuram. (ADS Received)

Decision: The Committee verified the documents submitted by the project proponent. The total mineable reserve is 105627.27 MT and mine life is 5 years. The nearest built structure is at 120 meters (A crusher unit). The depth to the water table is reported as 53m aboe MSL. The site elevation prior to mining varies from 96m to 65m and after mining is 96m to 20 m above MSL.

Based on discussions, **the Committee decided to recommend EC for a mine life of 5 years subject to the following Specific Conditions in addition to the General Conditions:**

1. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
2. 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.
3. 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.
4. Garland drain, silt-traps, siltation ponds, and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the Half Yearly Compliance Report (HYCR).
5. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
6. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR
7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
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. It is agreed to construct the second floor of the GLPS, Arimbra, Kondotty at a total cost of Rs. 11,40,000/-.
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. 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.
14. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
15. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority
16. If the recurring expenditure as per the proposed CER is not spent for maintenance, the

proposed amount shall be used for providing infrastructure for the school.

3. **SIA/KL/MIN/133614/2019; 1842/EC6/2020/SEIAA**
   Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Babu N.P, Managing Partner, M/s. Grand Rock Products for an area of 0.8821 Ha at Sy. No. 157/3 in Vadakkanchery Village, Thalappilly Taluk, Thrissur (ADS Received)

Decision: The Committee examined the documents submitted by the project proponent and found that the reasons for not completing the closure of the abandoned quarry and EMP incorporating the mitigation measures required for the abandoned quarry are not satisfactory. **Hence the project proponent is directed to submit the same along with incorporation of CER in EMP.**

4. **SIA/KL/MIN/136154/2020; 1609/EC1/2020/SEIAA**
   Environmental Clearance for Building Stone Quarry of Sri. Abdul Vahid. A at Block No: 37, Re Sy 111/1,110/2,110/2-1, in Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram (ADS Received)

Decision: The 136th meeting of the SEAC recommended the proposal for EC with project life of 7 years subject to certain specific conditions and subject to hearing of the Complainant and Proponent by the SEIAA. The SEIAA, in its 123rd meeting, decided to refer the proposal to SEAC for giving a definite recommendation after hearing the concerned parties. The 141st meeting of the SEAC heard both the complainant and the project proponent and subsequently obtained hearing notes. Based on the hearing notes, the Committee sought additional documents from the project proponent and the submitted documents are found satisfactory. After detailed discussion, **the Committee decided to once again recommend EC for a mine life of 7 years subject to the following Specific Conditions in addition to the General Conditions:**

1. Depth of mining should be limited to a maximum of 85m above MSL instead of 80m in the approved Mine Plan considering the depth to groundwater table and vulnerability of the terrain
2. Temporary wall of atleast 5m height should be built on the south-west boundary where there are houses at around 100m and on the eastern boundary where there is a road at around 100m.
3. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
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. 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.

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. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR
9. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
10. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
11. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
12. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
13. Adequate sanitation, waste management, and restroom facilities should be provided to the workers.
14. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement should be met from the solar power
15. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
16. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
17. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority
18. The project proponent should address the water needs of the surrounding population and also ensure precautionary measures to prevevent damages to the nearby buildings.
19. Observations listed in the Panchayath Biodiversity survey report should be taken into account while developing the green belt and implementing compensatory afforestation plan.

5. SIA/KL/MIN/146424/2020; 1275/EC1/SEIAA/2019

Environmental Clearance for the Granite Building Stone at Re-Sy Nos. 188/608, 188/431,188/616, 188, 621,188/622, 188/620 in Kodiyathur Village, Kozhikode Taluk, Kozhikode, Kerala for total mine lease area of 1.4466 Ha. (ADS Received)

Decision: The Committee verified the documents submitted by the proponent. The total mineable reserve is 3,93,125MT and mine life is 12 years. The nearest built structure is at 56.3 meter. The minimum depth to the water table is 6m below ground level as per Form 2 and therefore, mining will have to be limited to a depth of 95m above MSL. Based on discussions, **the Committee decided to recommend EC for a mine life of 12 years subject to the following Specific Conditions in addition to the General Conditions:**

1. Development of green belt should be initiated prior to the commencement of mining

using indigenous species.

2. Considering the depth to water table as given in Form 2, the mining should be limited to 95m above MSL.
3. The abandoned quarry pits should be protected with fencing to avoid any accidents.
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. The impact of vibration due to blasting on the nearest houses and other built structures (including the fuel filling station) 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.
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. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR
9. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.
10. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
11. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
12. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
13. Adequate sanitation, waste management, and restroom facilities should be provided to the workers.
14. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
15. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
16. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
17. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority
18. The blasting operations in the mine should be carried out strictly as per the design and suggestions provided in the Report of Dr. Ram Chandar Karra of the NIT- Suratkal.

6. **SIA/KL/MIN/222222/2021; 1920/EC4/SEIAA/2021**
   Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Haridasan. T at Re.Sy.Block.No.2, Re.Sy.Nos. 3/1237, 3/744 in Engapuzha Village, Thamarassery Taluk, Kozhikode, Kerala

Decision: The 139th meeting of the SEAC recommended the Project for EC with mine life of 5 years. The 125th meeting of the SEIAA decided that the Malabar Wild Life Sanctuary is at a distance of 4 km and the proposal has to be considered on the basis of the decision of SEIAA in its 123rd meeting (Item No. 123.30). Accordingly, the project proponent has to submit the necessary documents as envisaged in the 123rd meeting and the same shall be verified by the SEAC in consultation with concerned Wild Life Warden having jurisdiction over the area and recommend the project with further specific conditions, if any. Accordingly, the 146th meeting of the SEAC sought additional documents including Letter from the Wildlife Warden, regarding the distance of the site from the Wildlife Sanctuary and the width of the proposed/approved ESZ appropriate to the site and a statement about whether the site falls within the proposed/approved ESZ and also the proof of application submitted to the NBWL for wildlife clearance. The Proponent submitted the documents including Letter dated 2.6.2023 from the DFO, Kozhikkode and the Committee found them satisfactory. The total mineable reserve is 2,56,785 MT and mine life is 5 years. The depth to water table is 37m to 41m above MSL. The nearest built structure is at 97.5 meter. As per the letter of the DFO, Kozhikode dated 2.6.2023 the distance to Malabar Wild life Sanctuary is 4.9 Km from the proposed area. The project proponent has submitted copy of the application for the Wildlife Clearance. **Based on discussions, the Committee decided to recommend EC once again for a mine life of 5 years subject to the following Specific Conditions in addition to the General Conditions:**

1. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
2. 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.
3. 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.
4. Garland drain, silt-traps, siltation ponds, and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
5. Drainage water should be monitored at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.

6. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR
7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
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. 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.
14. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
15. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority
16. The loose boulders spread around shall be removed as per the plan submitted.
17. The natural drain and the pond shall be protected and the geo-tagged photos of the same shall be included in the HYCRs.

7. SIA/KL/MIN/239760/2021; 2013/EC1/2022/SEIAA

Granite Building Stone Quarry Project of Sri. C.H. Sakkariya, President, Mannarkkad Taluk Karinkal Quarry Operators Industrial Cooperative Society Ltd for an area of 0.9669 Ha at Survey No. 395/5 in Thachanattukara-I Village, Mannarkkad Taluk, Palakkad. (ADS Received)

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The total mineable reserve is 264849 MT and mine life is 5 years. The nearest built structure is at 84.9 meters. The project cost is 1 crore. The highest and lowest elevation proposed is 130m and 100m and the depth to the water table is 6m below ground level as per Form 2. Based on discussions, **the Committee decided to recommend EC for a mine life of 5 years subject to the following Specific Conditions in addition to the General Conditions:**

1. Mining should be limited to 95m above MSL considering the depth to water table.
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 bla/sting 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. Garland drain, silt-traps, siltation ponds, and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
6. Drainage water should be monitored at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
7. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
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. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
12. Adequate sanitation, waste management, and restroom facilities should be provided to the workers.
13. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
14. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
15. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
16. Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority
17. Protective fencing should be provided around the vertical step cutting near the proposed area and submit the geo-tagged photos with HYCRs.

8. SIA/KL/MIN/239826/2021; 2044/EC6/2021/SEIAA

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Jayarajan. A for an area of 0.9751 Ha at Block No.03, Re Survey Nos: 1169/119,1169/124 in Melmuri Village, Ernad Taluk, Malappuram (ADS Received)

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The total mineable reserve is 4,31,731 MT and the mine life is 5 years. The depth to water table is 21m bgl as per Form 2. The ultimate pit level of the project site is 80m. Based on discussions, **the Committee decided to recommend EC for a mine life of 5 years subject to the following Specific Conditions in addition to the General Conditions:**

1. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
2. 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.
3. 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.
4. Garland drain, silt-traps, siltation ponds, and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
5. Drainage water should be monitored at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
6. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR
7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
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. 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.

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

9. SIA/KL/MIN/251835/2022; 2011/EC1/2022/SEIAA
Granite Building Stone Quarry of Sri. Mohammed Kutty K.P. for an area of 2.0997 Ha at Re Survey Block No. 41, Re Survey No.155 in Cheruppulassery Village, Ottapalam Taluk, Palakkad, Kerala. (ADS Received)

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The total mineable reserve is 789735 MT and mine life is 12 years. The depth to water table is 3m bgl at 52m elevation contour. The lowest elevation after mining is 105m AMSL. Based on discussions, **the Committee decided to recommend EC for a mine life of 12 years subject to the following Specific Conditions in addition to the General Conditions:**

1. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
2. 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.
3. 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.
4. Garland drain, silt-traps, siltation ponds, and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
5. Drainage water should be monitored at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
6. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR
7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
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. 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.
14. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
15. Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.
16. Considering the inadequate width of the road, only Medium Heavy Vehicles should be used for transportation of mined materials.

10. SIA/KL/MIN/258433/2022; 2063/EC3/2022/SEIAA

Environmental Clearance for the building stone quarry, for an area of 1.8501 Ha. at Block No.12, Re-Survey No.120/5, in Kombanad Village, Kunnathunadu Taluk, Ernakulam, (ADS Received)

Decision: The Committee verified the documents submitted by the proponent and found that the extraction detail shown is only 35% of the reserve. The Committee noted that the depth to the water table is 10m bgl and the minimum & maximum elevation after mining is 30 to 90 m amsl. The Committee observed the necessity of leaving out the last 2 benches considering the depth to watertable. **The Committee decided to invite the proponent for presentation.**

11. SIA/KL/MIN/260489/2022 , 2023/EC1/2022/SEIAA

Granite Building Stone Quarry of Sri. Rutwin Reddy. at block no.60, Re Survey No.432/10, 432/9 in Pookottukavu Village, Ottapalam Taluk, Palakkad District, Kerala State for an extent of 0.9838Ha (ADS Received)

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. As per the letter from DFO, Palakkad dated 2.6.2023 the distance to Koonanmala Reserve forest, under Kerala Private Forest (Vesting and Assignment) Act, 1971, VFC item no.58 is only 2m. **Hence Committee decided to reject the proposal for the reason that the distance between the proposed quarry and forest is only 2m.**

12. SIA/KL/MIN/278375/2022; 2078/EC4/2022/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry project for an area of 1.0694 Ha at Re-Survey No.93/68, Block No – 7 in Raroth Village, Thamarassery Taluk, Kozhikode (ADS Received)

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. **The Committee decided to invite the proponent for presentation.**

13. **SIA/KL/MIN/278920/2022; 2091/EC6/2022/SEIAA**
    Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Sajeer K.T for an area of 1.2008 Ha. at Re.Survey No. 3/4, 3 in Trikkalangode Village, Ernad Taluk, Malappuram. (ADS Received)

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. **The Committee decided to invite the proponent for presentation.**

14. **SIA/KL/MIN/280486/2022, 2135/EC2/2022/SEIAA**
    Environmental Clearance for the proposed Granite Building Stone Quarry of Sri. N Asokan at Block No. 26, Re-Survey Nos: 152/5pt, 152/6pt & 155/12pt in Valakom Village, Kottarakkara Taluk, Kollam, (ADS Received)

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The total mineable reserve is 1,51,842.5 MT and the average rate of production is 50,614 MT per annum. The elevation difference of the site is 133m and 109m above msl. The depth to water table is 8 to 10m bgl measured from a well at a distance of 130m. The Life of mine is 3 years. Based on discussions, **the Committee decided to recommend EC for a mine life of 3 years subject to the following Specific Conditions in addition to the General Conditions:**

1. The project proponent should implement all activities specified in the comprehensive EMP which is annexed herewith.
2. Compensatory afforestation is proposed to be done in the property owned by the Proponent, 10.4km away from the proposed area. Compensatory afforestation should be initiated prior to mining.
3. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR
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 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.

7. Garland drain, silt-traps, siltation ponds, and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
8. Drainage water should be monitored during different seasons by a NABL-accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
9. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
10. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
11. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
12. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
13. Adequate sanitation, waste management, and restroom facilities should be provided to the workers.
14. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
15. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
16. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
17. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

15. SIA/KL/MIN/36040/2019, 1374/EC2/2019/SEIAA

Environmental Clearance for the Granite Building Stone Quarry project of M/s. Pala Metals and Sands Pvt Ltd, over an extent 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 Bharananganam Village, Meenachil Taluk, Kottayam, Kerala (ADS Received)

Decision: The Committee noted that the Proponent uploaded the additional document sought on 20.7.2023 which consists of 931 pages and need detailed evaluation. **Therefore, the Committee decided to entrust Dr. Mahesh Mohan for detailed evaluation of the additional documents submitted by the Proponent.**

16. SIA/KL/MIN/63669/2019, 1925/EC3/2021/SEIAA

Environmental Clearance of Existing Granite Building stone Quarryfor an area of 4.7134 Ha. at Block No. 29 Sy. Nos. 301/2, 285/1-2 Mazhuvannur village and S.F.Nos.410/8-2, 410/7-2, 410/5-2 Arackappady Village, Block No. 28, Mazhuvannur Panchayath, Kunnathunad Taluk, Ernakulam, Kerala (ADS Received)

Decision: The Committee verified the documents submitted by the proponent and observed that the CER proposals in the budget projected and that in the EMP are different. The cumulative impact of adjacent quarries within 500m radius is not satisfactory. The Complaint raised during the public hearing regarding the over extraction need to be addressed by the project proponent. Based on discussions, the **Committee decided to entrust Dr. Ajithkumar and Dr. K N Krishnakumar for field inspection and report.**

17. **SIA/KL/MIN/72951/2022, 1590/EC1/2019/SEIAA**
    Granite Building Stone Quarry Project of Sri. Eldho Issac over an extent of 4.7023 Ha in Survey. No. 208/1 of Alanallur- III Village, Mannarkkad Taluk, Palakkad District (ADS Received)

Decision: The Committee noted that the Proponent uploaded the additional document sought on 3.8.2023 which consists of 428 pages and need detailed evaluation. **Therefore, the Committee decided to entrust Smt. Beena Govindan for detailed evaluation of the additional documents submitted by the Proponent.**

18. **SIA/KL/MIS/284787/2022; 2099/EC6/2022/SEIAA**
    Environmental Clearance for the Proposed Expansion of Commercial Complex Project (Ozone Mall) to be developed by M/s INOA Properties & Developers LLP in Pathaikkara Village, Perinthalmanna Taluk, Malappuram (ADS Received)

Decision: The Committee examine the proposal and verified the documents submitted by the proponent and found them satisfactory. EC was accorded for removal of ordinary earth (excavated earth) of 20,000 cu.m. from the proposed area vide file no. 778/SEIAA/EC1/904/2016 dated 01-06-2016, valid for 6 months. Subsequently, the project was accorded EC for construction of Commercial Complex of total Built-up Area of 24,765.364 sq.m. in 0.9816 ha vide file no. 864/SEIAA/EC1/3073/2015 dated 17-08-2017. Now, the Proponent proposes to expand the project with addition of land of 9,584.17 sq.m., addition of built-up area of 8,672.636 sq.m. and additional excavation of earth of 8,000 cu.m. as Phase-2. **The cumulative plot area after the expansion will be 19,400.17 sq.m. and the built-up area will be 33,438 sq.m. and the earth excavation of 28,000 cu.m.** The proposed project consists of Commercial retail shops, anchor shops, foodcourt (600 seats), Family Entertainment centre along with supporting infrastructure facilities. After the proposed expansion, total water demand of the project is expected to be 396 KLD and wastewater to be treated in STP is expected to be 210 KLD. 158 KLD of treated wastewater will be recycled and re-used for flushing (136 KLD), gardening (15 KLD) and make-up water requirement for cooling towers attached with the HVAC system (7 KLD). The total cost of the project is 114 Crores. The Committee examined the

proposal in detail and discussed the field inspection report and **decided to recommend EC for 10 years subject to the following Specific Conditions in addition to the General Conditions:**

1. The site with elevation varying from 102-142m above MSL is located on the lower side slope of a hill with highest elevation of 200m above MSL. The overland flow will be high and intense during high rainfall. There should be a garland drain surrounding the proposed plot to carry the overland flow to the natural drain. The garland drain should be provided with intermittent silt traps to regulate the flow, siltation of sediments, groundwater recharge etc. The silt traps should be minimal and shallow at the northern portion as the soil thickness there is shallow.
2. The recharge pits proposed should only be in the southern part of the site
3. The PP should ensure that the Floor Area Ratio should strictly adhere to the KMBR norms
4. Excess overland flow should be drained to the natural drain located at a distance of about 600m from the site through the way side drains. As such there are no way side drains. Therefore, the PP, in consultation with the Local Government, should provide way-side drain with appropriate width.
5. Green belt should be developed all around the plot by planting and nurturing multi-layer plants of indigenous species
6. Proposed dug wells should be monitored for water level fluctuation during pre-monsoon, monsoon and post-monsoon season and also for development of caving, if any by a geologist. If caving is observed, effective mitigation measures should be adopted without delay. The monitoring data and other observations, such as on caving should be uploaded in the HYCR.
7. The PP should examine the scope for enhancing energy conservation measures and implement the same.
8. The CER committed for implementation of drinking water scheme to the local population for a total amount of Rs. 15.60 lakh in Pathaikara Village should be in addition to the already agreed and committed proposals (i) supply of specifieid equipments to W & C hospitals Ponnani at a cost of Rs. 50.07 Lakh and (ii) converting the schools in Ponnani Constituency to smart classes (165 nos) at a cost of Rs. 1.25 Cr.
9. The committed solar energy conservation of 5.35kw should be implemented.
10. 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 groundwater, and for avoiding discharge of treated water into the nearby public drain.
11. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
12. 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).

13. Climate responsive design as per Green Building Guidelines in practice should be adopted
14. Vegetation should be adopted appropriately on the ground as well as over built structure such as roofs, basements, podiums etc.
15. Exposed roof area and covered parking should be covered with material having high solar reflective index
16. Building design should cater to differently-abled citizens
17. 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
18. Water-efficient plumbing features should be adopted
19. Design of the building should comply with the Energy Building Code as applicable
20. Energy conservation measures as proposed in the application should be adopted in total
21. Buildings to be constructed should be barricaded with GI sheets of 6 m. (20 feet) height so as to avoid disturbance to other buildings nearby.
22. Construction work should be carried out during day time only.
23. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
24. All vehicles carrying construction materials should be fully covered and protected.
25. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
26. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
27. Occupational health safety measures for the workers should be taken during the construction.
28. All vehicles during the construction phase should carry PUC certificate.
29. 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.
30. Green belt should be developed all along the periphery of the site with indigenous species.
31. The green building criteria notified in the GO (Ms) No. 39/2022/LSGD dated 25.2.2022 should be adopted.

PART 2
CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. **SIA/KL/INFRA2/416727/2023**; **2226/EC4/SEIAA/2023**
   Environmental Clearance for the proposed Residential Project of Sri. Basheer Utteri at Re.Sy.Nos.47/4, (47/48), 49/3, (49/39), 47/40 (47/39), 47/48, (47/55), 49/39, (49/45), in Olavana Village & Panchayth, Kozhikode Taluk & District. (FIR Received)

Decision: The Committee examined the proposal and discussed the field inspection report and noted that the proposal is of a Residential project having 91 dwelling units, amenities facility with supporting infrastructure facilities with total built-up area of 29,657.50 sq.m in plot area of 0.5592 ha. The building proposes to have two basement floors, Ground floor and 39 floors above it. It is reported that the area after exclusion is 22,141.34 sq.m. with FAR of 3.96. The project cost is Rs. 116.40 Crores. Based on discussions, **the committee decided to direct the proponent to submit the following additional documents:**

1. The FAR does not comply with the norms and therefore, explanation, if any, for avoiding rejection of the proposal
2. The EMP is not site-specific and the budgetary provision made is inadequate.
3. Rework the required capacity and cost of the STP proposed and submit revision, if required.
4. The utilization plan for the excavated soil is lacking
5. It is not clear from the proposal that housing facilities will be provided to the laborers on the site. The PP may submit a detailed plan regarding the accommodation of laborers, the facilities extended to them, together with the waste management practices associated with such occupancy.
6. The daily water requirement during the operational phase is estimated to be 67 KL, which is reported to be met from rainwater harvesting, KWA supply, and the open well. The yield from the open well is assumed to be between 14-16 KL per day (as per the pumping test) and such a huge withdrawal may adversely affect the groundwater level in nearby residential areas also. The size of the rainwater storage tank is 200KL. There is no assurance of KWA water to the project. Therefore, submit a detailed report on the sources of water, their yield characteristics, sustainability aspects along with proposal for minimizing impact on the groundwater province. Also, submit an assurance/permission/allocation letter from the KWA regarding the quantity of water proposed to be drawn/allotted from the KWA.
7. The stormwater is proposed to be released to the public drain, which is on the western side of the project site, adjoining NH66. The project site is a few meters below the public drain. Adequate management measures are to be suggested to channel out the stormwater to the nearby drain.
8. The expected sewage generation is 54KL/day and the solid waste generation is 200 Kg/D. The proposed areas for sewage treatment, waste segregation, and DG sets are

presently closer to the residential areas. Clarification on the permissibility of such structures near the residential buildings and a detailed report on the management strategies to be adopted for minimizing the impacts on the nearby residential areas.

9. A "Miyawaki forest" is proposed on the project site and it requires technical support to develop it. Provide a detailed plan with details of the agencies involved, methodology adopted, species selected and the cost incurred.
10. A biogas plant (100 Kg/hr) is proposed at the project site. However, its location is not plotted in the conceptual plan. Details regarding the same may be submitted.
11. The non-degradable waste generated is estimated as 100 Kg per day (which needs re-estimation) and is proposed to be sold to vendors. The PP is directed to produce an agreement or memorandum of understanding with the vendors who collect non-biodegradable waste
12. One of the CER activities - conducting a monthly residential science orientation program for high school students in the Kozhikode district at Malabar Botanical Garden needs reconsideration. A revised proposal in this regard may be submitted.

2. SIA/KL/INFRA2/416978/2023, 2230/EC6/2023/SEIAA
Environmental Clearance for the proposed construction of Super Specialty Hospital Block and Mother & Child Hospital Block within the existing campus of Govt. Medical College, Thrissur in Sy.No.4, 11 & Others to be developed by Department of Health & Family Welfare, Govt. of Kerala (FIR Received)

Decision: The Committee examined the proposal and discussed the field inspection report and as per the report there are existing buildings on the campus with a built-up area of 1,62,488.09 m^2, constructed from 1945 onwards and the area proposed for expansion is 86,873.70 m^2. The project cost is 563.31 Crores. During field visit the Committee observed the following:

a. Waste disposal requires revamping of existing facilities
b. Waste disposal by the local public in nearby abandoned wooded areas was noticed. This has to be checked by providing boundary walls (wherever needed) and regulating entry.
c. Food waste mixed with packing materials was segregated by women groups.
d. Behavioral communication is a challenge as the hospital has to address floating population (patients, bystanders and visitors).

Based on the discussion **the Committee decided to direct the project proponent to submit the following additional documents:**

1. The ownership, area and permit details of various buildings constructed in the proposed area as mentioned in the application.
2. Drainage plan incorporating drains around the proposed structures and connection to existing RHS/natural drains with sufficient soak pits/recharging pits

3. Proposal /Plan/ details of augmenting existing STP with MBBR, including action for adding Tertiary Treatment Unit to ensure the quality of treated water for re-use /recycle for Flushing / Gardening/ Firefighting/ recharge of local ground water.
4. Plan showing / earmarking of location for storage for biodegradable waste, non-biodegradable waste, e waste and hazardous waste for facilitating easy and hygienic storage and handling.
5. Action plan for providing segregated waste storage facility in rooms, wards, and common areas.
6. Plan for providing augmented treatment facilities for biodegradable waste.
7. Plan for improving the sanitation/waste management aspects within the campus using ICT enabled communication and for preventing waste dumping in the campus by outsiders by preventing unauthorized entry and using surveillance cameras etc.
8. Plan for implementing a realistic and suitable green area development, with suitable species of trees and plants, specifically suitable for the hospital environment.
9. Plan for incorporating the building design to cater to the differently abled citizens.
10. A certificate from an authorized technical person regarding the fitness of the aeration tank of the existing STP and a plan of action for preventing sanitary waste and other solid waste reaching existing collection tank.
11. Revised EMP, considering augmented sewage treatment and solid waste treatment, from the present level.

3. SIA/KL/MIN/134774/2020; 1646/EC4/2020/SEIAA
Environmental Clearance for the Proposed Granite Building Stone Quarry of Sri. Muhammed Themeem P C, for an area of 0.5553 ha at Re Survey Nos. 18/14, 22/11, 18/13 in Vavad Village, Thamarassery Taluk, Kozhikode,. (Referred back from 129th SEIAA)

Decision: The Committee examined the proposal and discussed the direction of 125th SEIAA, to refer the proposal back to SEAC to get clarification regarding the mine depth and depth of water table and total quantity to be mined. The proposal is to mine up to a depth of 45m above MSL and mine life is 5 years. The depth to water table is reported to be 54m above MSL and therefore, it is desirable limit the depth of mining to 55m above MSL. In the field inspection report, it is stated that the depth to water table is 5 to 8m bgl, 30m AMSL and the maximum elevation difference after mining is 71m MSL and 45m MSL. Final recommendation of SEAC is that the mineable reserve is 1,12,066 MT and the production plan is 22413 TPA with a mine life of 3 years which seems to be contrary to it's earlier observations. The Committee examined the earlier decision regarding limiting the mine life to 3 years and realized that it was a mistake from typographical error and the committee decided to correct it as 5 years. The Committee also realized that the statement "the depth to water table is reported to be 54m above MSL and therefore, it is desirable limit the depth of mining to 55m above MSL" crept into the SEAC

decision by mistake and therefore, it may be ignored. The Committee has not recommended any reduction in the quantity of mining. Therefore, **the Committee decided to revise its decision to recommend EC for a period of 5 years for extracting 1,12,066 MT of granite building stones by mining up to a depth of 45m subject to all the specific conditions in addition to general conditions stipulated in the 145th meeting of SEAC.**

4. **SIA/KL/MIN/138486/2020 , 1984/EC1/2022/SEIAA**
   Granite Building Stone of Sri. P.K. Unnikrishnan situated at Block No. 20, Sy. No. 75/4 of Pirayiri Village, Palakkad Taluk & District, Kerala. (FIR Received).

Decision: The Committee examined the proposal and discussed the field inspection report and observed the following:

1. The Project proponent had availed 5 quarrying permits earlier under the Consolidated Royalty Payment System (CRPS) as revealed during the field inpsection.
2. 110 KV Electric line (Vennakara- Ottapalam Feeder) is situated in the vicinity of the proposed site. As per the certificate issued by Pirayiri Village Officer the distance to the line from Pillar 1 is 118.5 m and from Pillar 2 is 100.5 m. The proponent has shown TCP/DB 47/Quarry –NOC/22-23/2250,dated 07-01-2022 issued by KSEB- Deputy Chief Engineer , Transmission Circle , Kanjikode, Palakkad stating that KSEB has no objection to quarrying activities in the proposed area (Re-Survey No 75/4 in Pirayiri Village) , subject to 4 conditions.
3. Rain water collected in the pit was found to be pumped out into a nearby pond to meet water requirements of local community.

The Committee observed that the following additional documents are required for further appraisal

1. Recent cluster certificate.
2. Legible surface contour map.
3. Depth to water table in the nearest dug well along with geo-tagged photograph of the dug well and its distance from the project boundary.
4. Copy of the NOC from KSEB considering nearness to 110 KV Electric line
5. Details of quarrying permits granted to the proponent earlier under CRPS.
6. Geo-tagged photo of OB dump site.
7. Revised drainage plan ensuring proper connectivity to natural drain.
8. Legible details of production estimaled based on different cross sections (Excluding the area already quarried)
9. Letter from DFO, Palakkad, to ascertain the distance to nearest forest and wildlife sanctuary

Based on discussions, the Committee decided to invite the Proponent for presentation.

5. **SIA/KL/MIN/140563/2020, 1818/EC3/2020/SEIAA**
   Environment Clearance for mining of Building Stone Quarry, M/s Concrete Aggregates Industries for an extent of 2.7340 Ha at Re Sy Nos: 419/2, 419/3, 419/6-4, 419/6, 419/6-2, 419/6-3, 420/1-2, 420/1-3-2, 420/3, 420/4, 421/3 in Pattimattom Village, Kunnathunadu Taluk, Ernakulam, (FIR Received)

Decision: As directed by 125th SEIAA, field inspection has been carried out to verify whether the proponent has mined outside the lease area. As per the field inspection report it has been found that the mining has been done outside the lease area, but with the permit from Mining and Geology Department. As per the permit details submitted by the proponent the mining has taken place illegally, especially after 15.01.2016 & 2018. Therefore, **the proponent may be directed to submit the damage assessment & remediation plan in accordance with norms as per SoP dated 7.7.2021 within 2 months through a NABET-accredited agency.**

6. **SIA/KL/MIN/159687/2020 , 1853/EC2/2020/SEIAA**
   Conversion TOR to EC- Granite Building Stone Quarry of Sri. Sebastian George for an area of 0.8752 Ha at Re Survey Nos. 599/1A1, 599/1A2 & 599/3 of Belur Village, Vellarikund Taluk,– Kasaragode, Kerala (FIR Received)

Decision: The Committee discussed the field inspection report and observed that certain details, especially the impact assessment part is missing in the field inspection report. Therefore, **the Committee decided to suggest revision of the field inspection report by the Sub Committee for further consideration of the proposal.**

7. **SIA/KL/MIN/274473/2022; 2075/EC1/2022/SEIAA**
   Environmental Clearance for the building stone quarry of Sri, Raphy John Managing Partner, M/s Hilltop Aggregates for an Area of 2.3611 Ha at Survey No. 381/6, 381/59 381/64, 381/66, of Kanambra1 Village, Alathur Taluk, Palakkad, (FIR Received)

Decision: The Committee discussed the field inspection report and as per the filed inspection report the mineable reserve is 10,21,145MT and life of mine is 12 years. The depth to watertable is 15m bgl. The nearest built structure is at 105m and the distance to moderate hazard zone is at 2.9 Km. The Peechi and Vazhani Wild life sanctuary is situated at 3.1km. Hence **Committee decided to direct the proponent to submit the following additional documents:**

1. Letter from the concerned DFO/WL Warden stating the distance of the proposed site from the boundary of the Wildlife Sanctuary/National Park, width of the proposed/approved ESZ at the appropriate location and clarification whether the site falls within the ESZ. Also copy of the application submitted for wildlife clearance from the

NBWL.

2. Depth to water table monitored in the nearest dug well with geo-tagged photographs of the well and distance from the project boundary.
3. Proof of consultation and consent from beneficiaries of the CER Fund

8. **SIA/KL/MIN/291267/2022, 2116/EC3/2022/SEIAA**
   Environmental Clearance for the Building Stone Mining (Quarry) project of Sri. Kurian Jose, for an area of 4.0425 ha. at Sy. Nos. 340/1AS/75/6/2, 340/1A/S/75/6/3/2, 340/1A/S/75/6/9, 340/1A/S/75/6/10, in Kottappady Village, Kothamangalam Taluk, Ernakulam (Refer back from 129th SEIAA)

Decision: The Committee discussed the item and noticed that in the 129th meeting, the Authority decided to refer the proposal to SEAC for further verification and clarification of its recommendation for EC made in its 144th meeting recommended EC. The Authority noted that as the project is located 8.3 km from the Thattekad Bird Sanctuary the Project Proponent has to comply the OM dated 17/05/2022 of MoEF & CC as per the directions in the Hon'ble Supreme Court Judgement dated 26.4.2023 in IA 13177 of 2022. Further, the Authority noted that the depth to water table is 31.8m above amsl and the ultimate mine depth is 35m amsl. But the bed level in the adjacent stream is reported as 55m amsl. Post monsoon water level as per Form 2 is 5 m to 9 m bgl. The Committee reexamined the field inspection report and the details of the project. Though there was depth to watertable measured and reported in the field inspection report, the decision on the depth of mining was taken based on the elevation of the stream bed observed in the google map. The Committee realized that it was a mistake to consider the stream bed level, which is located 73m away from the project boundary, over the depth to water table measured in the field as the bed level elevation data from the google map could go wrong. Therefore, it is decided to consider the depth to watertable measured as 31.8m AMSL and depth of mining as 35m above MSL. Based on discussions, **the Committee decided to withdraw the recommendation for EC to the proposed project and decided to direct the Proponent to submit Copy of the application submitted for wildlife clearance from the NBWL.**

9. **SIA/KL/MIN/401892/2022, 2126/EC1/2022/SEIAA**
   Environemtal Clearance for the Granite (Building Stone) Quarry project of Sri. Udayan K at Block No. 25, Re-Survey Nos: 64/1, 65/3, 65/4, 66/2, 66/2-1 in Enadimangalam Village, Adoor Taluk, Pathanamthitta. (FIR Received)

Decision: The Committee discussed the field inspection conducted on 23.07.23 and found that the date mentioned in the FIR as 2029 (year of Cluster Certificate) is a typographical error. And observed that the mineable reserve is 874000MT and life mine is 7 years. **Based on discussion Committee decided to direct the proponent to submit the following additional documents:**

1. Revised Project Cost

2. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals.
3. Revised CER cost including maintenance and modification cost for the proposed vehicle to Public Health Center.
4. Revised EMP after omitting the activities that do not come under EMP norms and incorporating minigation plans for addressing the environmental issues of the site and surrounding areas along with adequate budget and integrating CER proposal.
5. Non-assignment certificate for the entire area proposed.
6. KML file to be submitted
7. Plan for top soil and OB dump and details of OB dump site along with protection measures
8. Post-closure environmental scenario/post-mining land use plan of the proposed site.
9. Compensatory Afforestation Plan along with geo-coordinates of the proposed site, geotagged photographs of the proposed sites, and ownership details of the proposed site with proof
10. Drainage plan with settling ponds and silt traps

10. SIA/KL/MIN/404158/2022, 2164/EC3/2022/SEIAA

Environmental Clearance for the Granite Building Stone Quarry of Sri. Boby Kuriakose at Re-Sy Block No: 6, Re-Sy. Nos: 124/5-1-3, Kodikkulam Village, Thodupuzha Taluk, Idukki District, Kerala State. (FIR Received)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 26.07.23. The mineable reserve is 164560.5 MT and mine life is 7 years. The depth to watertable is 49 m above MSL. The nearest built structure is 70m (site office) from the proposed area and distance to Moderate Hazard Zone is 6m. The Committee also observed that One temporary water tank (owned by nearby private party) for irrigation purposes is situated on the south side of the proposed site and is protected with sheets over it. The mining activities may not affect the tank as it is small and also there is no risk potential. The existing road is narrow, but a new road to the quarry site is proposed which seems to be adequate. Based on discussions, the **Committee decided to direct the proponent to submit the following additional documents:**

1. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation, and detailed implementation plan of the proposals.
2. Clarification on the mine closure status from Mining and Geology Department.

11. SIA/KL/MIN/407901/2022, 1812/EC3/2020/SEIAA

Environmental Clearance for the Granite building stone quarry, for an area of 0.9407 Ha. at Block No: 70, Sy. Nos: 23/1, 23/2, Poonjar Village, Meenachil Taluk, Kottayam, Kerala. (FIR Received)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 26.07.23. The mineable reserve is 160163 MT and mine is 5 years. The nearest built structure is 62.5 m away from proposed area and Moderate hazard zone is at 2.2 km. The Committee observed that the depth of the present water column in the old pit (bunded water storage at lower side) is about 2m only and can be regulated and lowered when required and therefore the possibility of breach is minimal. Based on discussion, **the Committee decided to direct the proponent to submit the following additional documents:**

1. CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals.
2. Revised EMP excluding activities which do not come under EMP norms and incorporating the mitigation measures for the environmental issues of the site and surrounding areas along with adequate budget and with the integration of CER.
3. Plan for OB dump site considering the feasibility and appropriateness along with plan for gsbion protection.
4. The proposed area for compensatory afforestation area is found vegetated. Therefore, submit alternate plan with appropriate site and its geo-coordinates and geo-tagged photographs along with ownership details of the proposed land.
5. Post-closure environmental scenario/post-mining land use plan of the proposed site.

12. SIA/KL/MIN/409822/2022, 2161/EC1/2022/SEIAA
Granite Building Stone quarry project of Sri. Thomas Varghese in Block No. 28, Survey Nos. 496/2, 496/2-1, 496/3, 496/4, 496/14, 497/4-1-1 of Mallappally Village, Mallappally Taluk in Pathanamthitta, Kerala (FIR Received)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 23.07.23 and observed the following:

- Among the two proposed approach roads, one is passing through a populated area and the second one, is not feasible to reach the top benches.
- The population density is high at the south west and north east side and the impact is higher on the northeast side
- Quarry benches are facing towards the center of the site

The road proposed to the project site is through a settlement and is too narrow. If there is no alternate route, the project is not feasible. **Therefore the Committee decided to direct the proponent to submit an alternate haulage road plan. The Committee also decided to direct the Proponent to submit the following additional details.**

1. Road development and traffic plan
2. Modified CER catering to the water demands of the settlement
3. Revised EMP incorporating site-specific mitigation plan and adequate implementation

cost

4. Compensatory Afforestation Plan along with geo-coordinates of the proposed site, geotagged photographs of the proposed sites, and ownership details of the proposed site with proof
5. Plan for protective measures at lower elevations (between BP-7 and BP-8) here more people are living downside of the rocky region

13. SIA/KL/MIN/409918/2022, 2188/EC1/2023/SEIAA

Granite building stone quarry project, M/s. Nedumon Granites Private Limited at Re-Sy Block No: 19, Re-Sy. Nos: 687, 693/2, 692/6, 692/1 in Ezhamkulam Village, Adoor Taluk, Pathanamthitta, Kerala (FIR Received)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 23.07.23 and observed that the OB dump site proposed is inadequate and may require more area Compensatory Afforestation plan is not submitted. Hence **Committee decided to direct the proponent to submit the following additional documents:**

1. Compensatory Afforestation Plan along with geo-coordinates of the proposed site, geotagged photographs of the proposed sites, and ownership details of the proposed site with proof.
2. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and the distance of the well from the project boundary
3. Revised PFR incorporating the inputs from the District survey report.
4. Revised EMP incorporating site-specific mitigation plan and adequate implementation cost
5. Modified project cost
6. Modified OB dump and topsoil dump plan

14. SIA/KL/MIN/410881/2022, 2186/EC3/2023/SEIAA

Environmental Clearance for the Granite Building Stone Quarry project of M/s. P. J. Associates, (Represented by its Managing Partner, Sri. Pious Antony) Re-Survey Nos: 93/1, 94/1, 95/1, 95/1- 1, 95/2, 95/2-1, Lalam Village, Meenachil Taluk, Kottayam, Kerala (FIR Received)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 26.07.23 and based on discussion **the committee decided to direct the proponent to submit the following additional documents:**

1. Revised Project cost
2. EMP incorporating the site specific mitigation measures for the site and surrounding areas and along with adequate budget and CER integrated.

3. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed plan of implementation of the proposals.
4. Pre and post mining land use details
5. Post-mine closure environmental scenario/post-mining land use plan of the proposed site.
6. Compensatory Afforestation Plan along with geo-coordinates of the proposed site, geotagged photographs of the proposed sites, and ownership details of the proposed site with proof.
7. CCR of the adjacent quarry owned by the proponent

15. SIA/KL/MIN/413729/2023, 2235/EC3/2023/SEIAA

Granite Building Stone Quarry of Jose M K, Managing Partner, M/s. Christuraj Granites, for an area of 0.8189 Ha at Re. Survey No. 35/3,35/3-1,35/3-2 located at Thalappulam Village, Meenachil Taluk, Kottayam, Kerala (FIR Received)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 26.07.23 and observed that the site is on the summit of a hill. Based on the discussion **the committee decided to direct the proponent to submit the following additional documents:**

1. Revised EMP after excluding activities that do not come under EMP norms and including site specific mitigation plan for the environmental issues identified along with adequate budget and with the integration of CER
2. Compensatory afforestation plan along with coordinates of the proposed site, geotagged photographs of the site, ownership details of the site
3. Recent and legible survey map certified by the Revenue Officials indicating the distance to all the built structures within 200 m distance from the project boundary

16. SIA/KL/MIN/428159/2023 , 2295/EC2/2023/SEIAA

Environemtal Clearance for the Granite Building Stone quarry project, M/s. Shree Ganesh Crushed Materials & Blocks Pvt. Ltd., for an area of 3.1374 Has, at Block No.-09, Re-Survey Nos. 470/2, 470/3-1pt, 470/3- 2pt, 471/1pt, 471/2-1pt, 471/2-2pt, 472/2pt, 473/1pt, 473/2pt, 473/3, 473/3-2pt, 467/2- 6pt, 467/2-7pt, 467/2-8pt, 473/6-2pt, 473/7pt, 473/9 & 473/9-2, in Neduvathoor Village of Kottarakkara Taluk, Kollam (FIR Received)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 23.07.23 and observed that one small building is at 34.2m and is shown as office. Based on discussion **the committee decided to direct the proponent to submit the following additional documents:**

1. Compensatory Afforestation Plan along with geo-coordinates of the proposed site,

geotagged photographs of the proposed sites, and ownership details of the proposed site with proof.

2. Depth to water table in the nearest open well with geo-tagged photographs of the well and its distance from the project boundary.
3. Revised EMP incorporating site-specific mitigation plan and adequate implementation cost
4. Modified project cost
5. Modified CER as per norms

17. SIA/KL/MIS/278234/2022, 2057/EC1/2022/SEIAA

Environmental Clearance for the Development of General Hospital, Thiruvananthapuram for the proposed Construction of Trauma and OP Block , Laundry and Service Block in Vanchiyoor village, Thiruvananthapuram Taluk, Thiruvananthapuram District. (FIR Received)

Decision: The Committee examined the proposal and discussed the field inspection report. During the filed inspection, the project proponent intimated that there will be changes in the design and building plan in consultation with KIIFB authorities, and also planned to retain the heritage portion of the existing block. In the circumstance, further appraisal of the project is not considered desirable as there will be change in the proposed building as informed orally during the field inspection. In the circumstance, **the Committee decided to refer the file to the SEIAA for further directions, if any.**

CONSIDERATION OF TOR PROPOSALS

1. **SIA/KL/MIN/428258/2023, 2264/EC2/2023/SEIAA**

   Granite Building Stone Quarry of M/s Shah Quarry (with lease area 4.8894 ha, is located in survey No. 320/1, 320/1-2, 320/1-3, 320/1-4, 320/1-5, 320/1-2-2, 320/2-3, 320/2-4, 320/2-5, 320/2-6, 320/2- 8, 320/2-10, 322/2-2, 322/2-3, 322/5, 326/2-2, 325/3, 324/5-1, 324/7, 324/5-1-2, 318/1-6, 320/3, 321/15, 321/28, 321/16, 322/7, 322/4, 318/1-2 at Chadayamangalam Village, Kottarakkara Taluk, Kollam District, Kerala. (Referred back from 129th SEIAA)- (Corrections to the specific conditions recommended in the ToR)

Decision: The Committee in its 148th meeting considered the item and decided as follows**;**

The Committee examined the specific studies recommended in addition to the Standard ToR for conducting EIA studies for the proposed project. Based on discussions, the Committee noted that certain of the studies proposed earlier are not of primary relevance and therefore decided to review the earlier recommendation and revise the earlier decision. Accordingly, **the Committee now decided to recommend the following additional studies in addition to the Standard ToR:**

1. Baseline air quality data should be collected from sampling points in all the eight directions.
2. Site specific meteorological parameters should be monitored and analysed
3. Air emissions occurring from road traffic should be monitored and used for air pollution modeling
4. Study the impact of mining and change in landuse and landform on the hydrology of the site and its impact zone considering the seasonal variation in the rainfall and ground water table and suggest mitigative/management measures, if any, required.
5. Detailed traffic impact study considering the traffic density along the MC road and nearby major roads and tourism activities at Jadayupara
6. Water quality status of the upstream and downstream portions of the natural stream that receives the drainage from the quarry and impact due to quarry discharge to the stream including sedimentation.
7. Land stability of the site, particularly on the north and east sides of the proposed quarry considering the soil thickness, slope, vegetation and rainfall infiltration.
8. Baseline health status of the population, particularly with reference to diseases caused due to air, water and noise pollution

2. SIA/KL/MIN/427939/2023, 2273/EC2/2023/SEIAA
Granite Building Stone Quarry of Sri.Syju Lekshman in 322/2-2-1, 322/1, 322/6, 323/3, 324/6, 324/9-2, 324/6-3, 324/5-2, 324/3-2, 324/3-3, 324/4 (Private Land), 325/1, 322/3, 323/2, 323/6, 323/7, 324/3 (Govt. Land) at Chadayamangalam Village, Kottarakkara Taluk, Kollam District, Kerala (Referred back from 129th SEIAA) (Corrections to the specific conditions recommended in the ToR)

Decision: The Committee in its 148th meeting considered the item and decided as follows**;**
The Committee examined the specific studies recommended in addition to the Standard ToR for conducting EIA studies for the proposed project. Based on discussions, the Committee noted that certain of the studies proposed earlier are not of primary relevance and therefore decided to review the earlier recommendation and revise the earlier decision. Accordingly, **the Committee now decided to recommend the following additional studies in addition to the Standard ToR:**

1. Baseline air quality data should be collected from sampling points in all the eight directions.
2. Site specific meteorological parameters should be monitored and analysed
3. Air emissions occurring from road traffic should be monitored and used for air pollution modeling
4. Study the impact of mining and change in landuse and landform on the hydrology of the site and its impact zone considering the seasonal variation in the rainfall and ground water table and suggest mitigative/management measures, if any, required.

5. Detailed traffic impact study considering the traffic density along the MC road and nearby major roads and tourism activities at Jadayupara
6. Water quality status of the upstream and downstream portions of the natural stream that receives the drainage from the quarry and impact due to quarry discharge to the stream including sedimentation.
7. Land stability of the site, particularly on the north and east sides of the proposed quarry considering the soil thickness, slope, vegetation and rainfall infiltration.
8. Baseline health status of the population, particularly with reference to diseases caused due to air, water and noise pollution

PART 3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. **SIA/KL/MIN/238592/2021; 2114/EC3/2022/SEIAA**
   Laterite stone quarry project of Charls M. P., for an area of 0.1419 Ha., at Block No. 24, Re Survey No. 433/1, in Mulanthuruthy village, Kanayannoor Taluk, Ernakulam (Presentation)

Decision: As invited the proponent, Sri. Charls M P and RQP Sri. A G Korah were present. The RQP made the presentation. The Committee noted that the mineable reserve is 7095 MT and life of mine is 1 year. The project cost is 5 lakh. Based on discussion **the Committee decided to direct the proponent to submit the following additional documents:**

1. The depth to water table monitored in the nearest dug well along with geotagged photographs of the well and the distance to it from the proposed area
2. Geotagged photographs of the proposed site and its surroundings from all the boundary pillars and a video showing the entire area
3. Lithological section
4. Detailed proposal for drainage along with drainage map

2. **SIA/KL/MIN/261677/2022 , 2180/EC3/2023/SEIAA**
   Laterite stone quarry project of CHARLS M. P., 0.1927 Ha., Block No. 24, ReSurvey No. 435/2-3, Mulanthuruthy village, Kanayannoor Taluk, Ernakulam (Presentation)

Decision: As invited the proponent, Sri. Charls M P and RQP Sri. A G Korah were present. The RQP made the presentation. The Committee noted that the mineable reserve is 19270 MT and life mine is 1 year. Based on discussions, **the Committee decided to direct the proponent to submit the following additional documents:**

1. The depth to water table monitored in the nearest dug well along with geotagged photographs of the well and the distance to it from the proposed area
2. Geotagged photographs of the proposed site and its surroundings from all the boundary

pillars and a video showing the entire area
3. Lithological section
4. Detailed proposal for drainage along with drainage map

3. SIA/KL/MIN/272889/2022 , 2144/EC1/2022/SEIAA
Environemtal Clearance for the Laterite building stone quarry of Shri. Jaya Krishnan in Re Survey No. 2/5,5/2 of Ongallur-1 village , Pattambi Taluk, Palakkad (Presentation)

Decision: As invited the proponent, Sri. Jayakrishnan and RQP Sri. Mahesh were present. The RQP made the presentation. The Committee noted that as per the presentation mineable reserve is 53,739 MT (17,913 MTA). The expected life of mine is three years. The project cost is 44,00,000. Based on discussions, **the Committee decided to recommend EC for the life of mine of three years subject to the following Specific Conditions in addition to 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 such other useful purpose.
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)

4. **SIA/KL/MIN/402526/2022, 2202/EC4/2023/SEIAA**
   Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. Brijesh B.R, for an extent of 0.3449 Ha in Re-Survey No: 12/2A-2A of Thalakkulathoor Village, Kozhikode Taluk, Kozhikode, Kerala (Fresh Application)

Decision: As per the direction of the 144th meeting of the SEAC, the proponent was invited for a presentation. The RQP Sri. V K Roy intimated that the proponent desires to withdraw the application. However, no communication from the project proponent has been received in this regard. **The Committee decided to defer the proposal.**

5. **SIA/KL/MIN/410409/2022**, **2229/EC4/SEIAA/2023**
   Environmental Clearance for the Proposed Laterite building stone quarry for an extent of 0.5301 Ha at Re-Survey Block No.005, Re Survey No.53/1A of Kakkodi village , Kozhikode taluk, Kozhikode Kerala State (Presentation)

Decision: As invited the proponent, Sri. Abdul Hameed and RQP Dr. Mahesh were present. The RQP made the presentation. The Committee noted that as per the presentation, mineable reserve is 55,660.5 MT (18,553.5 MTA) and mine life is 3 year. Based on discussions, **the Committee decided to direct the proponent to submit the following additional documents:**

1. Detailed drainage map
2. Lithological section
3. Depth to water table in the nearest dug wells to the site along with elevation of the site w.r.t MSL along with geo-tagged photograph of the well
4. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area

6. **SIA/KL/MIN/413609/2023 , 2204/EC1/2023/SEIAA**
   Laterite (Building Stone) Quarry of Sri. Suhaib Kunnan in Re-Survey Nos: 7/2-6, 7/2-12, 7/2-13, 7/2-20 of Koppam Village, Pattambi Taluk, Palakkad District, Kerala (Presentation)

Decision: As invited the proponent, Sri. Suhaib Kunnan and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the thickness of laterite stated as 4.5m but as per the lithological section, the thickness of laterite proposed for extraction is 6m. In the reserve estimate, the thickness of laterite to be mined is 3m in the first year and 2.6m in the 2nd year. It indicates that there is a contradiction in the mining plan and existing lithology. **Therefore the Committee decided to direct the proponent to submit a revised Mining Plan.**

7. **SIA/KL/MIN/415396/2023 , 2248/EC6/2023/SEIAA**
   Environmental Clearance for the Laterite Building Stone Quarry Project of Sri.Sharafudheen for an area of 0.0971 Ha at Re-Survey Nos: 533/1-33, 533/1-63 of Kuttippuram Village, Tirur Taluk, Malappuram (Presentation)

Decision: As invited the proponent, Sri. Sharafudheen and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the mineable reserve is 10,681 MT. The expected life of mine is one year. The project cost will be Rs. 4 lakh. The average depth of mining proposed is 5.5 m & the litho section indicate laterite thickness as 9m. A house is located at a distance of 15m from BP4. **Therefore, considering that minimum distance to the built structure cannot be maintained, the Committee decided to recommend rejection of the application.**

8. **SIA/KL/MIN/417275/2023 , 2247/EC6/2023/SEIAA**
   Environmental Clearance for the mining of Clay by Sri. Vinod Vasudevan from an area of 0.3602 Ha at Sy.Nos.312/PT1, 312/PT2, 342/1-1, 342/2-1, 342/1, 342/2-3 in Palur Village, Thalappilly Taluk, Thrissur (Presentation)

Decision: As per the direction of 143rd SEAC the proponent was invited for presentation via Email dated 17.8.23, but the Proponent was absent. **Hence Committee decided to defer the proposal.**

9. **SIA/KL/MIN/419350/2023 , 2253/EC6/2023/SEIAA**
   Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Satheesh for an area of 0.0970 Ha at Sy.No.23/15 in Kavanur Village, Ernad Taluk, Malappuram (Presentation)

Decision: As invited the proponent, Sri. Satheesh and RQP Sri. Nazar Ahmmed were present. The RQP made the presentation. The Committee noted that the mineable reserve is 6790MT and life of mine is 1 year. The project cost is 10 lakh. The RQP intimated that the road inside the proposed area is owned by the proponent and not used by the public. As per the lithosection the thickness of laterite is 4m and as per the extraction details laterite thickness is shown that 5m. Based on discussions, **the Committee decided to direct the proponent to submit the following additional details.**

1. Clarification for the contradiction in thickness of laterite in lithosection and extraction details
2. Depth to water table in the nearest dug wells to the site along with elevation of the site w.r.t MSL along with geo-tagged photograph of the well
3. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area

10. **SIA/KL/MIN/420606/2023, 2274/EC2/2023/SEIAA**
    Environmental Clearance for Laterite building stone quarry of Sri. Narayanan. K over an extent of 0.0971 Ha, Re-Survey Nos-11/1A in Kolathur Village, Kasaragod Taluk, Kasaragod District, Kerala. (Presentation)

Decision: As invited the proponent, Sri. Narayanan K and RQP Sri. Mahammed Kunhi were present. The RQP made the presentation. The Committee noted that the mineable reserve is 4250 MT and mine life is 1 year. The project cost is 10 lakhs. Based on discussions, **Committee decided to direct the proponent to submit the following additional documents:**

1. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
2. CER as per norms
3. Copy of the Letter of intimation to Grama Panchayath regarding the CER.

11. **SIA/KL/MIN/420651/2023 , 2242/EC4/2023/SEIAA**
    Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri.K.C.Ali, in Block no :91, Re-Survey No: 46/1356 of Kaliyad Village, Iritty Taluk, Kannur District, Kerala for an extent of 0.0971 Ha (Presentation)

Decision: As invited the proponent, Sri. K C Ali and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the mineable reserve is 7,370 MT for mine life of 1 year. The project cost is 2 Lakh. Based on discussions, **the Committee decided to recommend EC for the life of mine of one year subject to the following Specific Conditions in addition to General Conditions:**

1. The excavation activity associated 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 a useful purpose.
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)

12. SIA/KL/MIN/422012/2023 , 2265/EC6/2023/SEIAA

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri.Muhammed Ali for an area of 0.2550 Ha at Re-Survey Nos. 82/1-46, 82/3-1 in Kurumbathur Village, Tirur Taluk, Malappuram (Presentation)

Decision: As invited the proponent, Sri. Muhammed Ali and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the life of mine is 1 year and the production rate is 22312.5 MTA. The project cost is 8 lakh. Based on discussions, **the Committee decided to recommend EC for the life of mine of one year subject to the following Specific Conditions in addition to General Conditions:**

1. The excavation activity associated 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 a useful purpose.
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)

13. SIA/KL/MIN/422360/2023, 2244/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri.Ayanath Priyesh in Block no: 138 Re-Survey Nos. 362/8, 362/41, 362/162, 362/237 of Chuzhali Village, Thaliparamba Taluk, Kannur District, Kerala for an extent of 0.3884 Ha. (Presentation)

Decision: As invited the proponent, Sri. Ayanath Priyesh and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the mineable reserve is 20,391 MT (10195.5 MT per annum) for mine life of 2 years. The project cost is 10.54 Lakh. Based on discussions, **the Committee decided to recommend EC for the life of mine of two years subject to the following Specific Conditions in addition to General Conditions:**

1. The excavation activity associated 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 a useful purpose.
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)

14. SIA/KL/MIN/423117/2023, 2282/EC4/2023/SEIAA

Environmental Clearance for the proposed Laterite building stone quarry of Sri. Mohammed Chakkingal, over an extent of 0.1858 Ha, at Re-Survey No.172/3206 in Kodiyathoor Village, Kozhikode Taluk, Kozhikode District, Kerala (Presentation)

Decision: As invited the proponent, Sri. Mohammed Chakkingal and RQP Sri. Nazar Ahmmed were present. The RQP made the presentation. The Committee noted that mineable reserve is 19509 MT (27870MTA) and the mine life is 2 years. The project cost is 15 lakh. Based on discussions, **the Committee decided to direct the proponent to submit the following additional documents:**

1. Revised CER with monitorable physical targets as per O M dated 30.09.2020.
2. Recent legible survey map from the V O showing distance to the built structures including houses.
3. The depth to water table measured in the nearest open well to the site with geotagged photographs
4. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
5. Plan for augmenting recharge of the open well proposed to be used.

15. SIA/KL/MIN/423122/2023 , 2245/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri.Sabi A, in Block No. 138, Re-Survey No: 362/222 of Chuzhali Village, Thaliparamba Taluk, Kannur District, Kerala for an extent of 0.0971 Ha. (Presentation)

Decision: As invited the proponent, Sri. Sabi A and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the mineable reserve is 8496 MT for mine life of 1 year. The project cost is 2.60 Lakh. Based on discussions, **the Committee decided to recommend EC for the life of mine of One year subject to the following Specific Conditions in addition to General Conditions:**

1. The excavation activity associated 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 a useful purpose.
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)

16. SIA/KL/MIN/423901/2023, 2243/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri.Pacheni Rameshan, in Block no :138, Re-Survey No: 362/29 of Chuzhali Village, Taliparamba Taluk, Kannur District, Kerala for an extent of 0.0971 Ha. (Presentation)

Decision: As invited the proponent, Sri. Rameshan Pacheni and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the mineable reserve is 8,496.25 MT for a mine life of 1 year. The project cost is 2 lakh. Based on discussions, **the Committee decided to recommend EC for the life of mine of One year subject to the following Specific Conditions** in addition to General Conditions:

1. The excavation activity associated 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 a useful purpose.
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)

17. SIA/KL/MIN/423945/2023 , 2260/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri.Babu.K, in Block No. 37, Re-Survey No: 1/118 of Kuttoor Village, Payyannur Taluk, Kannur District, Kerala for an extent of 0.1942 Ha. (Presentation)

Decision: As invited the proponent, Sri. Babu K and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the mineable reserve is 8,496.25 MT for a mine life of 1 year. The project cost is 2 lakh. Based on discussions, **the Committee decided to recommend EC for the life of mine of One year subject to the following Specific Conditions in addition to General Conditions:**

1. The excavation activity associated 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 a useful purpose.
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)

18. SIA/KL/MIN/423966/2023 , 2259/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri.Bijumon George, in Re-Survey No: 109/106 of Peringome Village, Payyannur Taluk, Kannur District, Kerala for an extent of 0.1942 Ha (Presentation)

Decision: As invited the proponent, Sri. Bijumon George and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee observed that there are many such laterite mines in the area and therefore, it is necessary to examine the mine site and evaluate the feasibility of closure plan in a holistic manner. Based on discssions, **the Committee decided to entrust Dr. K. Vasudevan Pillai and Smt. Beena Govindan for field inspection of the site and report. The Sub Committee will also visit adjacent laterite mines in the area and study the specific environmental issues linked to laterite mining and status of closure plan implementation and also examine the feasibility of combined closure plan.**

19. SIA/KL/MIN/424608/2023 , 2249/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri.Cheriya Vilappinakath Siyad, in Block no :138, Re-Survey No: 362/29 of Chuzhali Village, Taliparamba Taluk, Kannur District, Kerala for an extent of 0.0971 Ha under B2 category. (Presentation)

Decision: As invited the proponent, Sri. Cheriya Vilappinakath Siyad and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and noted that the mineable reserve is 17,710 MT for the mine life of 1 year. The project cost is 5 lakh. Based on discussions, **the Committee decided to recommend EC for the life of mine of one year subject to the following Specific Conditions in addition to General Conditions:**

1. The excavation activity associated 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 a useful purpose.
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)

20. SIA/KL/MIN/424892/2023 , 2258/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri.Narayanan K V, in Re-Survey No: 1/118 of Kuttoor Village, Payyannur Taluk, Kannur District, Kerala for an extent of 0.1942 Ha. (Presentation)

Decision: As invited the proponent, the authorized person Sri. Biju Mon George with authorization letter and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the mineable reserve is 13594 MT for mine life of 1 year. The project cost is 7.40 lakh. Based on discussions, **the Committee decided to recommend EC for the life of mine of one year subject to the following Specific Conditions in addition to General Conditions:**

1. The excavation activity associated 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 a useful purpose.
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)

21. SIA/KL/MIN/426500/2023, 2284/EC6/2023/SEIAA

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Vishnu P.T for an area of 0.1566 Ha at Sy.No.418/1-230 in Edayur Village, Tirur Taluk, Malappuram (Presentation)

Decision: As invited the proponent, Sri. Vishnu P.T and RQP Sri. Nazar Ahmmed were present. The RQP made the presentation. The Committee noted that the mineable reserve is 16443 MT and mine life is 1 year. The project cost is 15 lakh.. **Based on discussions, the Committee decided to direct the proponent to submit the following additional documents:**

1. Latest legible survey map certified by the Village Officer indicating built structures including houses and other buildings and infrastructure within 100m radius of the boundary of the proposed site
2. The depth to water table measured in the nearest open well to the site with geotagged photographs
3. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
4. Plan for augmenting recharge of the open well proposed to be used.
5. Corrected contour map of the site and its neighbourhood.

22. SIA/KL/MIN/428820/2023 , 2268/EC1/2023/SEIAA

Environmental Clearance for Ordinary clay mining project of Mr. Abdul Latheef. C. M, over an extent of 0.1215 Ha, Re Survey No-642/40, Re Survey Block No-29 in

Kavasseri-1 Village of Alathur Taluk, Palakkad District, Kerala

Decision: As invited the proponent, Sri. Abdul Latheef and RQP Sri. Nazar Ahmmed were present. The RQP made the presentation. The Committee noted that Life of mine is 1 year. The maximum production proposed is 4860 MT. Based on discussions, **Committee decided to direct the proponent to submit the following additional documents:**

1. The depth to water table measured in the nearest open well to the site with geotagged photographs
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
3. Letter of intimation to Panchayath regarding CER.
4. Lithological section

23. SIA/KL/MIN/429142/2023, 2280/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry in Block No: 24, Re-Survey No: 76/101 of Alapadamba Village, Payyannur Taluk, Kannur District, Kerala for an extent of 0.1943 Ha

Decision: As invited the proponent, Sri. Manikandan and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and found that the mineable reserve is 18701 MT and mine life is 1 year. The project cost is 3,85,395. Based on discussion **Committee decided to direct the proponent to submit the following additional documents:**

1. The depth to water table measured in the nearest open well to the site with geotagged photographs
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
3. Detailed drainage proposal including drainage map
4. Lithological section

24. SIA/KL/MIN/429176/2023, 2291/EC4/2023/SEIAA

Laterite (Building Stone) Quarry in Block No: 24, Re-Survey No: 76/101 of Alapadamba Village, Payyannur Taluk, Kannur District, Kerala for an extent of 0.1943 Ha (Presentation)

Decision: As invited the proponent, Sri. Santhosh Kumar and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that as per the presentation mineable reserve is 18,701 MT. The expected life of mine is One year. The project cost will be Rs. 3,85,395 lakhs. Based on discussions, **the Committee decided to direct the proponent to submit the following additional documents:**

1. The depth to water table measured in the nearest open well to the site with geotagged photographs
2. Geotagged photographs of the project area and its surroundings from all the boundary

pillars and a video showing the entire area
3. Detailed drainage proposal including drainage map

25. SIA/KL/MIN/429187/2023, 2277/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry for an extent of 0.1943 Ha at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur, Kerala. (Presentation)

Decision: As invited the proponent, Sri. Rajan and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the mineable reserve is 18701 MT and mine life is 1 year. The project cost is 3 Lakh. Based on discussions, **the Committee decided to direct the proponent to submit the following additional documents:**

1. The depth to water table measured in the nearest open well to the site with geotagged photographs
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
3. Detailed drainage proposal including drainage map

26. SIA/KL/MIN/429631/2023, 2276/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Smt. Saibunnessa Ismail, for an extent of 0.1945 Ha in Block No: 42, Re-Survey No: 76/573 of Panappuzha Village, Payyannur Taluk, Kannur, Kerala (Presentation)

Decision: As invited the proponent, Sri. Saibunnessa Ismail and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the mineable reserve is 17,018 MT and mine life is 1 year. The project cost is 4 lakh. Based on discussion Committee decided to direct the proponent to submit the following additional documents:

1. The depth to water table measured in the nearest open well to the site with geotagged photographs
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
3. Detailed drainage proposal including drainage map
4. Lithological section

27. SIA/KL/MIN/430102/2023 ,2292/EC4/2023/SEIAA

Laterite (Building Stone) Quarry in Block no: 91 Re-Survey No. 3/628 of Kaliyad Village, Iritty Taluk, Kannur District, Kerala for an extent of 0.1942 Ha of K V (Presentation)

Decision: As invited the proponent, Sri. K V Krishnan and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that as per the presentation mineable reserve is 15293 MT. The expected life of mine is one year. The project cost will be Rs. 4,70,400. Based

on discussions **Committee decided to direct the proponent to submit the following additional documents:**

1. The depth to water table measured in the nearest open well to the site with geotagged photographs
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
3. Detailed drainage proposal including drainage map
4. Lithological section

28. SIA/KL/MIN/430586/2023 , 2293/EC4/2023/SEIAA

Laterite (Building Stone) Quarry in Block No. 91, Re-Survey No: 3/628 of Kaliyad Village, Iritty Taluk, Kannur District, Kerala for an extent of 0.1942 Ha of Sri.A C Yousaf

Decision: As invited the proponent, Sri. A C Yousaf and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that as per the presentation mineable reserve is 15,293 MT. The expected life of mine is one year. The project cost will be Rs. 4,43,200. Based on discussion **Committee decided to direct the proponent to submit the following additional documents:**

1. The depth to water table measured in the nearest open well to the site with geotagged photographs
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
3. Detailed drainage proposal including drainage map
4. Lithological section

29. SIA/KL/MIN/431341/2023 , 2294/EC4/2023/SEIAA

Laterite (Building Stone) Quarry in Block No: 137 Re-Survey No: 30/551 of Chuzhali Village, Thaliparamba Taluk, Kannur District, Kerala for an extent of 0.0971 Ha of Sri.Usman Thazhathery (Fresh Application)

Decision: As invited the proponent, Sri. Usman Thazhathery and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that as per the presentation mineable reserve is 6,797 MT. The expected life of mine is one year. The project cost will be Rs. 2.60 lakhs. Based on discussions, **the Committee decided to direct the proponent to submit the following additional documents:**

1. The depth to water table measured in the nearest open well to the site with geotagged photographs
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
3. Detailed drainage proposal including drainage map
4. Lithological section

30. **SIA/KL/MIN/425079/2023 , 2306/EC4/2023/SEIAA**
Environmental Clearance for the Proposed Laterite (Building Stone) Quarry Project of Sri. Unnikrishnan.P, in Block No.91, Re-Survey No: 46/109 of Kalliyad Village, Iritty Taluk, Kannur District, Kerala for an extent of 0.3885 Ha

Decision: As invited the proponent, Sri. Unnikrishnan.P and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the mineable reserve is 33,993 MT and the mine life is 3 years. The project cost is Rs. 4.40 lakhs. **Based on discussion the Committee decided to direct the proponent to submit the following additional documents:**

1. The depth to water table measured in the nearest open well to the site with geotagged photographs
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
3. Detailed drainage proposal including drainage map
4. Lithological section

CONSIDERATION OF TOR PROPOSALS

1. **SIA/KL/IND1/437083/2023 , 2320/EC1/2023/SEIAA**
ToR for the Expansion of Rolling mill by M/s. Kairali Steels and Alloys Pvt. Ltd in Survey Nos. 250/2,3,4,5,6 & 258, PUDUSSERY CENTRAL VILLAGE, PALAKKAD TALUK AND DISTRICT, KERALA (Fresh Proposal)

Decision: The Committee examined the proposal and discussed the details. Accordingly, the Committee decided to recommend Standard ToR under category 3(a) "c" Secondary Metallurgical Processing Industry with the following additional studies:

1. Details of the proposed water sources for the project including the yiled characterisitcs and source sustainability
2. Measures proposed for enhancing the recycling of used water, recharging the water sources and rainwater harvesting.

2. **SIA/KL/IND1/436971/2023 , 2322/EC1/2023/SEIAA**
ToR for theExisting Re-Rolling mill by M/s Steel Max Rolling Mills Limited in Sy. Nos. 560, 560/2, 560/3, Pudussery Village and Panchayath, Palakkad Taluk Palakkad District (Fresh Proposal)

Decision: The Committee examined the proposal and discussed the details. **Accordingly, the Committee decided to recommend Standard ToR under category 3(a) "c" Secondary Metallurgical Processing Industry with the following additional studies:**

1. Details of the proposed water sources for the project including the yiled characterisitcs and source sustainability

2. Measures proposed for enhancing the recycling of used water, recharging the water sources and rainwater harvesting.

3. **SIA/KL/IND1/436914/2023 , 2323/EC1/2023/SEIAA**
ToR for the Existing Re-Rolling mill by M/s. Prince TMT Steels Pvt Ltd in Sy. Nos. 548, 550, 554, 559 Pudussery Central Village, Palakkad Taluk and District (Fresh Proposal)

Decision: The Committee examined the proposal and discussed the details. Accordingly, **the Committee decided to recommend Standard ToR under category 3(a) "c" Secondary Metallurgical Processing Industry with the following additional studies:**

1. Details of the proposed water sources for the project including the yiled characterisitcs and source sustainability
2. Measures proposed for enhancing the recycling of used water, recharging the water sources and rainwater harvesting.

4. **SIA/KL/MIN/ 436975/2023 , 2327/EC3/2023/SEIAA**
Granite Building Stone Quarry of Mr. P. J Jose, which is situated at Survey No's. 492/4/1, 574/1A/9/9/19, 574/1A/9/9/20, 574/1A/11/11/6 over an area of 2.7057 hectares in Pindimana Village, Kothamangalam Taluk, Ernakulam District, Kerala (Fresh proposal)

Decision: The Committee examined the proposal and discussed the details. As per the Cluster Certificate dated 14.2.2023, there are two other quarries within 500m radius altogether more than 5 ha. Accordingly, **the Committee decided to recommend Standard ToR under category 1 (a) Mining of Minerals with the following additional studies:**

1. EIA study should specifically highlight the details of all the quarries which are operational and not subjected to closure within the impact zone and impact assessed and environmental management plan prepared comprehensively.
2. Hydrological and hydrogeological characteristics of the area and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.

5. **SIA/KL/IND1/437349/2023 , 2325/EC4/2023/SEIAA**
Regularization of Existing Re-Rolling mill by M/s. Vadhi Steels Private Limited in Sy. Nos. 36/16,31/12,37/40,31/14,31/13, Kuttikkattoor Village, Peruvayal Panchayath, Kozhikode Taluk and District, Kerela

Decision: The Committee examined the proposal and discussed the details. Accordingly, the **Committee decided to recommend Standard ToR under category 3(a) "c" Secondary Metallurgical Processing Industry with the following additional studies:**

1. Details of the proposed water sources for the project including the yiled characterisitcs and source sustainability

2. Measures proposed for enhancing the recycling of used water, recharging the water sources and rainwater harvesting.

6. **SIA/KL/IND1/437381/2023 , 2324/EC4/2023/SEIAA**

Regularization of Existing Steel making and Rolling mill by M/s. Minar Ispat Private Limited in Sy. Nos. 30/1C, 31/1, 31/2,37/2B Kuttikatoor Village, Peruvayal Panchayath Kozhikode Taluk and District, Kerala

Decision: The Committee examined the proposal and discussed the details. Accordingly, the **Committee decided to recommend Standard ToR under category 3(a) "c" Secondary Metallurgical Processing Industry with the following additional studies:**

1. Details of the proposed water sources for the project including the yiled characterisitcs and source sustainability
2. Measures proposed for enhancing the recycling of used water, recharging the water sources and rainwater harvesting.

7. **SIA/KL/IND1/437394/2023 , 2318/EC1/2023/SEIAA**

ToR for the Regularization of existing steel making and rolling mill by M/s. Beepath Castings (P) Ltd. in Sy. No. 356/2, Pudussery Central Village, Palakkad Taluk and District (Fresh Proposal)

Decision: The Committee examined the proposal and discussed the details. Accordingly, the **Committee decided to recommend Standard ToR under category 3(a) "c" Secondary Metallurgical Processing Industry with the following additional studies:**

1. Details of the proposed water sources for the project including the yiled characterisitcs and source sustainability
2. Measures proposed for enhancing the recycling of used water, recharging the water sources and rainwater harvesting.

8. **SIA/KL/IND1/437128/2023 , 2321/EC1/2023/SEIAA**

ToR for the Regularization of existing Re-Rolling mill by M/s. Palakkad Steels Pvt. Ltd Sy. Nos. 592-1B, IDA Kanjikode, Pudussery Village, Palakkad Taluk and District (Fresh Proposal)

Decision: The Committee examined the proposal and discussed the details. Accordingly, the **Committee decided to recommend Standard ToR under category 3(a) "c" Secondary Metallurgical Processing Industry with the following additional studies:**

1. Details of the proposed water sources for the project including the yiled characterisitcs and source sustainability
2. Measures proposed for enhancing the recycling of used water, recharging the water sources and rainwater harvesting.

9. **SIA/KL/IND1/437368/2023 , 2319/EC1/2023/SEIA**

ToR for the Regularization of existing Mild Steel Re-Rolling mill by M/s. Lal Steels Pvt. Ltd. Sy. No. 407/1, Pudussery Central Village, Palakkad Taluk and District (Fresh Proposal)

Decision: The Committee examined the proposal and discussed the details. Accordingly, the **Committee decided to recommend Standard ToR under category 3(a) "c" Secondary Metallurgical Processing Industry with the following additional studies:**

1. Details of the proposed water sources for the project including the yiled characterisitcs and source sustainability
2. Measures proposed for enhancing the recycling of used water, recharging the water sources and rainwater harvesting.

10. **SIA/KL/MIN/437598/2023 , 2328/EC1/2023/SEIAA**

ToR for the Granite Building Stone Quarry of M/s.J&P Constructions at ReSurvey No's:371/1,371/2,371/3,371/4,371/5 over an area of 3.6716hectares in Ongallur II Village, Pattambi Taluk, Palakkad District, Kerala(Fresh Proposal)

Decision: The Committee examined the proposal and discussed the details. As per the Cluster Certificate dated 12.3.2023, there are three other qurries within 500m radius all together come to more than 5 ha. **Accordingly, the Committee decided to recommend Standard ToR under category 1 (a) Mining of Minerals with the following additional studies:**

1. EIA study should specifically highlight the details of all the quarries which are operational and not subjected to closure within the impact zone and impact assessed and environmental management plan prepared comprehensively.
2. Hydrological and hydrogeological characteristics of the area and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.

The meeting concluded at 4.30 pm.

It is decided to convene the 150th meeting of the SEAC on the 7th and 8th of September 2023.

Sd/-
Suneel Pamidi, IFS
Secretary, SEAC

Sd/-
Dr.R. Ajayakumar Varma
Chairman, SEAC

LIST OF PARTICIPANTS:

Sl.No.	Name	21.08.2023	22.08.2023
1.	Shri. Sheik Hyder Hussain	√	√
2.	Dr.A.Bijukumar.	X	X
3.	Dr.A.N.Manoharan	√	√
4.	Shri. M.Dileepkumar	√	√
5.	Smt. Beena Govindan	√	√
6.	Dr.C.C.Harilal	√	√
7.	Dr.K.VasudevanPillai	√	√
8.	Dr.MaheshMohan	√	√
9.	Dr.K.N.Krishna kumar	√	√
10.	V.Gopinathan	√	√
11.	Dr.A.V.Raghu	√	√
12.	Dr.N.Ajithkumar	√	X
13.	Shri.Suneel Pamidi,IFS **(Secretary)**	√	√
14.	Dr.R.Ajayakumar Varma **(Chairman)**	√	√