

**MINUTES OF THE 175th MEETING OF THE STATE LEVEL EXPERT APPRAISAL
COMMITTEE (SEAC), KERALA MEETING HELD ON 09th, 10th, & 11th
DECEMBER 2024, IN THE CONFERENCE HALL, STATE ENVIRONMENT
IMPACT ASSESSMENT AUTHORITY, KERALA**

The meeting started at 10.00 AM on 9th December 2024. 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

Item No. 175.01 **Nothing in the Minutes of the 173rd SEAC meeting on 04th, 05th and 06th November 2024 and Minutes of 174th SEAC meeting held on 22nd November 2024.**

Confirmed the minutes of 173rd SEAC meeting on 04th, 05th and 06th November 2024 and Minutes of 174th SEAC meeting held on 22nd November 2024.

Item No. 175.02 **Environmental Clearance issued to the Granite Building Stone Quarry Project of Sri. Abdul Muneer. C, Managing Partner, M/s Indo Black Stone for an area of 3.2374 Ha in Sy.No.1618 (Not final) at Koodaranji Village, Koodaranji Panchayth, Thamarassery Taluk, Kozhikode - Judgment in WP (C) No.9574/2021 filed by Sri.Abdul Muneer.C, M/s Indo Black Stone - regarding the validity of EC. (File No.862/SEIAA/EC4/2991/2015)**

The Committee examined the proposal and noted the decisions of various SEAC/SEIAA meetings. The 121st SEIAA meeting rejected the proposal due to non-compliance of the EC conditions as recommended by the 134th SEAC meeting. Subsequently the rejection order was issued vide order dated 06.02.2023. The Committee also noticed the complaints received from Sri. K. P. Assain dated 18.04.2023 and the judgement of Hon'ble High Court in WP(C) No. 16089/2023 against the proposed quarry. Subsequently, the petitioner Sri. K.P. Assain vide letter dated 16.01.2024 intimated that he had withdrawn the complaint filed against the quarry project. The 137th SEIAA meeting heard the Project Proponent and the Project Proponent himself admitted that he had failed to comply with the EC conditions. The Committee also noticed the letter of the Project Proponent dated 15.10.2024 to reconsider the application for extension EC from 2022 onwards. The PP also requested to conduct a site inspection. The Committee noted that the re-validation application was rejected due to non-compliance with EC conditions. The Project Proponent vide letter dated 31.10.2022 requested to withdraw the revalidation application. The Project proponent was heard twice before making decisions. As per the judgment in WP(C) No.16089/2023, filed by the Project Proponent, the proposal was also considered and again decided to adhere to its earlier

decision to reject the application. As the SEAC has completed all the procedures as per EIA notification and afforded chances of hearing, it is decided not to consider the request of the RQP/PP. **Therefore, the Committee decided to adhere to its earlier decision to reject the proposal and intimate the Authority to entrust KSPCB for damage assessment.**

Item No. 175.03 **Environment Clearance for proposed Expansion of Mixed Use Township development project to be developed by M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd. at Re-Sy. No. 27/3, 32/1, 32/4, 32/5, 31/4, 31/7, 31/8, 31/9, 35/1B (part), 30/4C, 31/5, 31/6, in Pantheerankavu Vill., Olavanna GP, Kozhikode Taluk & Dist. – Judgment dt. 11.09.2023 in Appeal No. 05/2022 (SZ) before the Hon’ble NGT & WP(C) No. 30399/2023 filed by M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd, WP(C) No.32797/2023 filed by SEIAA & WP(C) No.35871/2023 filed by Dr.Vineeth.K.Adiyodi & others before the Hon’ble High Court (SIA/KL/MIS/73563/2022, 1193/EC2/2018/SEIAA)**

The Committee examined the proposal and noted the letter of the project proponent dated 02.12.2024 in response to the decision of the 140th SEIAA meeting. As per the letter, it is intimated that the MoEF Expert Committee visited the site on August 20th, 2024 and the PP is waiting for the final report. After considering all details, the PP has not submitted any details/documents in response to the direction of the SEIAA. **Hence, the Committee decided to inform the Authority to direct the PP to fulfill the direction of the Hon’ble High Court of Kerala and submit the documents/details as decided in the 140th SEIAA meeting for further appraisal of the proposal for expansion of the project.**

Item No. 175.04 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Ravi Paleri, Proprietor, M/s Surya Stone Crusher & Hollow Bricks at Re. Sy. No. 275/1A pt, in Triprangottur Village, Thalassery Taluk, Kannur (SIA/KL/MIN/126728/2019; 1782/EC4/2020/SEIAA)**

The Committee discussed the item and noted the decision of the various SEAC/SEIAA meetings. The 130th SEAC meeting discussed the field Inspection Report conducted on 12.05.2022 and found that the proposed site is located at the upper slope and ridge portion of a residual hill with a very steep slope. The road leading to the site is very narrow and steep. As such, the environmental fragility of the site is very high and an activity like mining is not desirable in the proposed site. Accordingly, the 118th SEIAA meeting rejected the proposal vide order dated 19.10.2022, considering the environmental fragility as per the observation of 130th SEAC meeting. As directed by the SEIAA, the 168th SEAC meeting heard the project proponent along with the Consultants and the 170th SEAC meeting examined the hearing note and given an opportunity to submit the study report.

The Committee examined and discussed the observations and findings in the detailed report prepared by the Centre for Environmental Audit and Consultancy (CEAC), School of Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala. The report analysed the landslide susceptibility of the study area using the AHP method with various contributing factors considering 12 geo-climatic factors, such as elevation, slope, aspect, curvature, stream density, NDVI, land use/ land cover, rainfall, lithology, geomorphology, distance from road and distance from paleo slide location. The results revealed that only 15.99% of the area comes under very high susceptible zones and 23% of the area is in the high category. About 37% of the area comes under low and very low susceptible zones and the proposed quarry location comes under this category. The study states that the area experiences heavy rainfall i.e., more than the state average, but there is ample drainage along the northern part of the proposed quarry site and suggest proper care to maintain the stream flow throughout the quarrying process. The study also states that the area is devoid of any evidence of piping or underground tunnels and the soil has medium to high permeability levels that reduce the risk of landslide incidents. **On detailed evaluation, the Committee observed that the study does not rule out the possibility of landslide in the proposed area. The environmental fragility of the area is high with respect to the critical aspects such as slope, rainfall, soil, vegetation etc. and nearness to paleo slide location. Therefore, considering the Precautionary Principle, the Committee decided to recommend rejection of the proposal.**

Item No. 175.05

Report seeking - The Secretary, Sreekandapuram Municipality, Kannur – DEIAA issued EC's (File No. 1969/EC4/2024/SEIAA)

The Committee discussed the item and noted the decision of the 149th SEIAA meeting. The Secretary, Sreekandapuram Municipality, reported that three quarries operating within the jurisdiction of Sreekandapuram Municipality had violated the conditions outlined in the Environmental Clearance (EC), the consent issued by the Kerala State Pollution Control Board (KSPCB), and the permits granted by the Department of Mining and Geology. The 149th SEIAA meeting suggested conducting a field inspection in respective quarries. The ECs for these quarries were issued by DEIAA, Kannur, and the information about the quarries is not available with the SEIAA Secretariat for conducting the site visit. **In the circumstance, the Committee decided the following:**

- 1. The SEIAA secretariat shall collect the details of the quarries including the copy of EC issued by the DEIAA, Kannur and Mining plan to facilitate Field Inspection.**
- 2. The date of field inspection will be decided as and when the details are received.**
- 3. The Chairman, SEAC is entrusted to nominate the field inspection team.**

Item No. 175.06 **Utilization of Environment Benefit Fund for the Environmental restoration activities at M/s RDS Project, Kannur - Order of NGT - Reg:- (File No: 888/A1/2024/SEIAA)**

The Committee discussed the item and decided to provide the copy of the proposal to the Members for obtaining their inputs and appraise the matter in the next meeting.

Item No. 175.07 **Rejection order issued to the Environmental Clearance for mining of Granite Building Stone Quarry project of Sri. Muhammed Faisal K. P for an area of 2.1404 ha at Survey Nos 178/1, 179/pt, Block No: 56 in Morayur Village, Kondotty Taluk, Malappuram – Judgment dated 21.10.2024 in WP(C) No. 29603/2023 – Hearing – Reg. (File No - 1300/EC/2019/SEIAA)**

The 173rd SEAC meeting invited the Petitioner Sri. Muhammed Faisal K. P and the Sreevalsa Kolathayar, Scientist, NIT Surathkal for hearing in compliance to the Judgment dated 21.10.2024 passed by the Hon'ble High Court in the WP(C) No.29603/2023. But even after prior intimation, the petitioner and the Scientist were absent. The Scientist vide email dated 2nd December 2024 informed his inability to attend the meeting since he is handling additional responsibilities. The Petitioner vide letter dated 07.12.2024 informed that he require more time to prepare for a detailed study with a scientific expert. **Therefore, the Committee decided the following**

- 1. Give one more chance to the Petitioner and the Scientist (Sreevalsa Kolathayar, NIT Surathkal) for a hearing as directed by the Hon'ble High Court of Kerala.**
- 2. The Petitioner should ensure the presence of the Scientist for hearing.**
- 3. The SEIAA Secretariat shall provide the compliance status to the Hon'ble High Court in response to the direction in the WP(C) No.29603/2023.**

PARIVESH FILES (Ver-1)

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

PART-1

Item No.01 **Environmental Clearance for the Development of Techno city Technology Park at Sy. Nos. at Block No. 2 in Veiloor Village, Block No. 9 in Pallipuram Village, Block No. 8 in Andoorkonam Village, and Block No. 8 in Melthonnakkal Village, Thiruvananthapuram Taluk & District. (SIA/KL/MIS/62018/2020, 1588/EC1/2020/SEIAA)**

The Committee examined the proposal and discussed the report of the evaluation of additional documents submitted by the Subcommittee of SEAC, in detail. The Master Plan for Technocity involves development of built-up area of 62,31,343 m² in 158 Ha of land with FSI as 4. About 50% of the land is already allotted to 8 companies, including TCS, Nissan-digital, Space Park, IITMK etc. About 19% of the land falls under Paddy land, which requires

clearance under the Kerala Conservation of Paddy and Wetland Act, 2008. The project proponent has submitted the additional documents as sought in the 134th SEAC meeting and it has been evaluated in detail by a subcommittee entrusted by the SEAC. **After discussing the Evaluation Report, the Committee decided to invite the Project Proponent for a detailed presentation on the additional documents submitted. The Committee also desires the PP to address the following specific observations in the PPT.**

1. Permission from the Revenue Department for the conversion of paddy land as per the Kerala Conservation of Paddy Land and Wetland Act 2008.
2. The compliance details against each of the ToR approved
3. Scientific plan for eco-restoration and maintenance of the two streams flowing through the area including provision for side protection and vegetative measures with cost estimates and timeline.
4. Proactive measures to be undertaken in collaboration with the Irrigation Department for facilitating and supporting appropriate actions including expansion of the width of the stream.
5. Confirmation from the Irrigation Dept for taking up the work along with the proposed plan for restoration of two streams flowing through the area.
6. Revised stormwater management plan using site-specific methods, considering the proposed rain water harvesting facility, diversion of the drain, encroachment of the portion of the stream, anticipated capacity of a proposed detention pond, potential for recharging of rainwater for replenishing the local ground water aquifer etc.
7. Plan for the following along with budget provision:
 - Removal of the encroached structures along the stream banks and proposed actions for preventing further encroachments.
 - Periodic de-siltation of the stream during the post and pre monsoon seasons for ensuring unhindered flow through out the year
 - Measures to prevent waste dumping into the stream including installation of CCTV etc.
 - Arrangements for handing over the segregated recyclable waste and composted food and other solid waste from the onsite facility to authorize agencies.
 - Details of Detention Pond to be provided at a suitable location to regulate the flow of the streams.
8. Integrated waste management plan after estimating the anticipated waste generation under different categories of waste such as construction waste, domestic solid waste, liquid waste and e-waste and their collection, storage, transportation, reuse & recycle and disposal measures required, proposed location suggested for installation of waste management facilities etc along with appropriate action plans and budget as the details given in the report is very sketchy.
9. Detailed water management plan with water balance estimate ensuring maximum recycle/reuse along with budget estimate for implementing the proposed recommendations, to be incorporated in the EMP
10. Traffic management plan within and outside the proposed campus considering the proposed activities during the construction and operation phases of the project and the

present and future projections of traffic in the proposed campus, adjacent roads and the National Highway, nearby along with budget for implementing the proposed recommendations, to be incorporated in the EMP

11. Plan for green belt development and avenue plantation using indigenous species of trees along with budget estimate, to be incorporated in the EMP.
12. Plan for Compensatory Afforestation including Miyawaki Forest along with geo-tagged photographs of the proposed area, the number of trees proposed to be planted, and the indigenous species that will be preferred along with budget estimate, to be incorporated in the EMP.
13. Details of treatment proposed for the Roof-top Rain Water harvested, ensuring recycle and reuse within the compound along with budget estimate.
14. Plan for harnessing solar energy to meet at least 10 % power requirement along with budget estimate.
15. Plan for installing Electric Charging Points in the Vehicle parking Areas and budget estimate.
16. Revised EMP integrating the EMPs of the approved projects and EMPs anticipated for the future projects envisaged and also incorporating the above said mitigation measures.
17. Revised Environment Management Framework considering various environmental rules and guidelines to be complied including the KMBR.
18. The comprehensive impact of the proposed project on the nearby communities considering various environmental aspects that affect the local communities
19. Comprehensive Social Impact Assessment Study, particularly considering the nearby communities as it is not submitted
20. Project cost, revised cost for implementation of EMP and Environmental Monitoring Plan as stipulated under item No XIX and XXII of standard ToR as it is not provided. The budget for some of the mitigative measures/activities are not found incorporated.
21. Proposal consisting of monitorable physical targets to be implemented under Corporate Environment Responsibility (CER) as envisaged in the guidelines in the SEIAA-Kerala website prepared as per the relevant OM's of MoEF & CC.
22. Plan for utilization of the excavated clay/soil from the proposed area for most appropriate uses.
23. Details of the District Court Order on OS 83/2014 which are not found uploaded.

Item No.02 **Environmental Clearance for the Common Biomedical Waste Treatment Facility by IMAGE-IMA at Block No 26, Re. Sy Nos 340/1/19, 340/1/20, in KINFRA Park Enadimangalam Village, Adoor Taluk, Pathanamthitta (SIA/KL/INFRA2/434354/2023, 2308/EC1/2023/SEIAA)**

The Committee examined the proposal and discussed the evaluation report in detail. The Public Consultation was conducted on 07.09.2024 and the PP vide letter dated 30.10.2024 submitted the response to the concerns raised in the Public Consultation. It is noted that about 800 people attended the public consultation, and 135 people submitted written complaints.

There are several responses against the project, including the Member of Parliament, Member of Legislative Assembly, President of the Block Panchayat, President of the Grama Panchayat, Several elected representatives of the Block and Grama Panchayats, Senior Political Leaders, Religious leaders, several residents of the locality, representatives of various organizations including Kerala Industrialist Association, Kerala State Small Industries Association, Hindu Aikya Vedi etc., to which the PP submitted their response. However, the response of the PP is not found to have incorporated adequate scientific and technical aspects in detail. Since there is a massive protest against the Project, it is desirable that the Committee hear the response of the Project Proponent and their technical team to the concerns raised by almost all who responded in the Public Consultation. The KSPCB vide letter dated 02.08.2024 forwarded the minutes of the Central Monitoring Committee (CMC) in which it is directed that the SPCB and SEIAA have to adhere to compliance of 75 km siting criteria while giving consent to new CBWTF. Further, the Central Pollution Control board vide letter dated 01.10.2024, requested to follow guidelines for CBWTF while granting EC to new CBWTF for ensuring proper treatment and disposal of biomedical waste. The technical team of the PP should also ensure that their proposal strictly adhere to the guidelines for CBWTF. The Committee also noted the complaint received from the *Anjumala Paithruka Samrakshana Samithi* dated 10.12.2024 represented by Sri. NK Satheesh Kumar and Sri.Sudheesh Kumar. The major concern raised in the complaint is regarding the chance of water pollution and the area for the development of the waste treatment plant was sourced from the Food industries in the KINFRA Park. It is further claimed that the Panchayat has a population of approximately 36,000 and is home to numerous educational institutions, hospitals, Anganwadi, supermarkets, vested forest land, and other facilities within a 5-kilometer radius. **In the circumstance, the Committee decided to direct the PP to present the detailed response to the concerns raised in the Public Consultation along with scientific and technical solutions, wherever applicable.**

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

Item No.01 **Environmental Clearance issued by SEIAA for the granite building stone quarry of Sri.U. Abdul Kareem, M/s.U.K.Granites for an area of 4.685 Ha in Sy. No. 428(P) in Edayoor Village, Tirur Taluk, Malappuram – Revalidation of EC (727/SEIAA/EC1/6106/2014) (New proposal no. SIA/KL/MIN/304423/2023)**

The Committee examined the proposal as directed by the 149th SEIAA meeting along with the hearing note submitted by the project proponent dated 29.10.2024. The Environmental Clearance for the proposed project is issued vide EC No.135/2015 dated 15.01.2016 based on the mining plan approved dated 16.03.2015. While in possession of the EC, the project proponent obtained leases/permits in the project area by preparing separate mining plans for each lease/permit for parcel of land within the project area for which EC was obtained. The extension of the EC was recommended by considering the mining plan approved on 16.3.2015

based on which the original EC was issued and based on field inspection and other associated details. Accordingly, the Committee recommended EC for 10 years from the date of the original EC issued, i.e., from 15.01.2016 subject to certain specific conditions in addition to general conditions. **Therefore, the Committee decided to adhere to its earlier decision taken in the 169th SEAC meeting.**

PARIVESH FILES (Ver-2)

PART-1

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

The Committee scrutinised the additional documents submitted by the Project Proponent and found them satisfactory. The EC was issued from DEIAA, Palakkad dated 07.10.2017 and the validity of the EC expired on 24.10.2022. The balance mineable reserve as per approved Scheme of Mining is 12,27,743 MT for the remaining years. The quarrying lease is granted vide order dated 31.10.2017, for a period of 12 years from the date of execution of quarrying lease deed. The elevation of the proposed site varies between 180m above MSL to 120m above MSL. There are no houses within 100 m radius. The medium hazard zone is located at a distance of 280m from the site. The PP submitted proof of application submitted for wildlife clearance vide proposal No. FP/KL/QRY/4572/2019. The PP submitted clarification for maintaining 50m buffer from the built structures in the form of a notarised affidavit stating that the building is to be used as a crusher unit. But as per the existing norms, the 50m buffer should be maintained from all the built structures and the project boundary. **Based on discussion, the Committee decided to recommend EC for 12 years with effect from 07.10.2017, (the date of issuance of original EC) subject to the submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024. The following Specific Conditions in addition to the General Conditions, may be stipulated while issuing EC:**

1. All the specific conditions stipulated in the original EC form part of this EC conditions
2. The Project Proponent shall scrupulously follow all the conditions stipulated in the NOC to be issued by the Irrigation Department
3. 50m buffer should be maintained between the project boundary and the crusher building adjacent to the proposed site.
4. The depth of mining should be limited to 117m above MSL
5. The green belt should be initiated prior to the commencement of mining using indigenous species.

6. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
7. 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.
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. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
11. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
12. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
13. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
14. The haulage road should be provided with sprinkling facility to prevent dust pollution.
15. 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).
16. 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.
17. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
18. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
19. 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
20. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
21. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.

22. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.02 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Bijulal D, for an area of 2.4113 Ha at Re-Survey Block No.4, Re-Survey Nos. 199/11-2, 200/2, 200/4, 200/5 in Pattazhy Village, Pathanapuram Taluk, Kollam District. (SIA/KL/MIN/459288/2024)**

The Committee examined the application and scrutinised the additional document submitted by the project proponent. As per the documents, the PP obtained NOC from the Executive Engineer Irrigation Division Kollam vide order No. D2-DQNOC/3/EEI/KLM/2024 dated 01.11.2024. After detailed verification of the ADS, the Committee observed that the Compensatory afforestation plan is not satisfactory. **The Committee decided to invite the Proponent for a presentation. The PPT shall be uploaded to the Parivesh portal and shall also include (i) the revised compensatory afforestation plan, preferably in public places, and (ii) Drone video of the project area within a 500m radius as per the Guidelines uploaded on the SEIAA website**

Item No.03 **Environmental Clearance for the Proposed Granite Building Stone Quarry Project of Sri. Vinod Bhaskar, for an area of 0.5910 Ha at Re-Survey no.391/5/4/10 in Varappetty Village, Kothamangalam taluk, Ernakulam. (SIA/KL/MIN/463487/2024)**

The Committee scrutinised the additional documents submitted by the project proponent and found them satisfactory. As per the Documents submitted, the PP obtained NOC from the Irrigation Department vide dated 11.11.2024 for quarrying without causing any damages to the irrigation structures. The validity of NOC is issued for period of 1 years with 14 conditions. The ToR for the project was approved vide letter SIA/KL/MIN/403837/2022, 2127/EC3/2022/SEIAA dated 15/02/2023. The EIA report of the proposal was presented in the 169th SEAC meeting. The average water table of the area is given by 4.44 m bgl (Pre-monsoon) and 3.19 m bgl (Post-monsoon). The estimated cost of the project is Rs. 65 Lakhs. As per the application, the total mineable reserve is 98,705 MT for a mine life of 3 years. The elevation of the proposed area varies between 38 m RL and 80 m RL. The Public Hearing has been conducted on 05.09.2023. **Based on the discussion, the Committee decided to recommend EC for 3 years subject to the following Specific Conditions in addition to the General Conditions:**

1. The Project Proponent shall scrupulously follow all the conditions stipulated in the NOC issued by the Irrigation Department
2. Depth of mining should be limited to 45m above MSL, considering the depth to water table.
3. The green belt should be initiated prior to the commencement of mining using indigenous species.

4. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent at the lower portion of the land.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
8. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
9. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
10. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
11. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
12. The haulage road should be provided with sprinkling facility to prevent dust pollution.
13. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
14. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
16. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
17. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
18. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
19. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
20. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.04 Environmental Clearance for the Granite Building stone quarry Project of Sri. J Roberters, for an area of 0.5734 Ha at Block No.4, Re-Sy No. 263/6-3,264/11-6-2,264/11-6,263/6-4, 263/6-3-1, 264/11-5,264/11-2 in Pallichal Village, Neyyatinkara Taluk, Thiruvananthapuram District. (SIA/KL/MIN/457206/2023)

As invited the Project Proponent, Sri. J Roberters and the RQP C. Balaraman were present. The RQP made the presentation. As per the mining plan, the total mineable reserve is 1,34,700 MT for a mine life of 5 years. The PP submitted proof for demolished built structures located within a 100m radius. The elevation of the area varies between 116m AMSL to 82m AMSL. As per the Cluster certificate dated 14.08.2024, there is no working quarries located within 500m radius. The depth to water table is given as 10 m below ground level. The project cost is Rs. 70 lakhs. **Based on discussion, the Committee decided to recommend EC for 5 years subject to the submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024. The following Specific Conditions in addition to the General Conditions, may be stipulated while issuing EC:**

1. The Project Proponent shall scrupulously follow all the conditions stipulated in the NOC to be issued by the Irrigation Department
2. Depth of mining should be limited to 80m above MSL considering the depth to water table.
3. The green belt should be initiated prior to the commencement of mining using indigenous species.
4. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
8. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
9. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
10. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR

11. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
12. The haulage road should be provided with sprinkling facility to prevent dust pollution.
13. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
14. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
16. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
17. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
18. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
19. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
20. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.05 Environmental Clearance for the Expansion of Construction of Commercial Complex, M/s KGA International Trades Pvt. Ltd. of Sri. K.C. Eapen at Survey Nos. 56/67, 28/65, 29, 51/2, 3, 4, 5, 6 & 9 in Block 105 & Survey Nos. 4/1 in Block 104 in Vazhappally East Village, Changanassery Taluk, Kottayam (SIA/KL/INFRA2/460048/2024)

The Committee scrutinised the additional documents submitted by the project proponent and found them satisfactory. The EC for the project was issued by MoEF&CC vide File no. 21-95/2021-IA-III dated 10.12.2021 for a built-up area of 50,911 sq.m. within a plot area of 16,117 sq.m. (1.6117 ha.). The area proposed for expansion is 8,900 sq.m. The cumulative built-up area of the project after the proposed expansion will be 59,811 sq.m. As per the documents, it is stated that the PP has submitted an application for approval of the revised layout at Chief Town Planner, Thiruvananthapuram vide dated 29th April 2024. The approved revised layout has not been submitted. The height of the building is given as 32.75 m. The elevation of the area varies between 100 lvl. to 96 lvl. As per the presentation, the depth to water table is reported as 1.6 - 2.8m bgl. The total quantity of ordinary earth to be excavated from the site is 41,200cu.m. The topsoil (3,200 cu.m.) would be used for landscaping work. The excavated earth of 17,000 cu.m will be used for backfilling work. The excess excavated quantity would be stored in the land bank of PP in Thiruvalla village (located about 11 km

from the project site). The parking facility proposed is 625 cars and 2,665 sq.m. space for two-wheelers. The mechanical parking in the previous EC is changed and proposed in 1st basement floor, 2nd basement floor, lower ground floor and ground floor. The total STP capacity is 210 KL ie, 200 KL as per EC of MoEF&CC and additional facility proposed for 10 KL. The total water requirement is 262 KL. **Based on discussion, the Committee decided to recommend EC for 10 years for the proposal subject to the FAR permissibility and following specific conditions in addition to the general conditions.**

1. The FAR norms should be complied strictly.
2. The guidelines for green rating and green building certification to buildings based on green standards issued by Government of Kerala vide GO (MS) No. 39/2022/LSGD dated 25.2.2022 should be adhered to.
3. Green belt surrounding the campus, avenue tree planting, and garden development should commence from the beginning of the construction phase. Suitable local species should be used for green belt and avenue trees.
4. Vegetation should be developed appropriately on the ground as well as over built structures such as roofs, basements, podiums, etc.
5. Adequate safety gadgets and instruments should be provided to the people engaged in the treatment of solid as well as liquid wastes. Periodic checkups regarding the health status of the people should be undertaken.
6. The Kerala Energy Conservation (Building Code) Rules 2017 should be complied with.
7. Energy conservation measures as proposed in the application should be adopted in total. The PP should examine the scope for improving energy conservation measures periodically and should implement the same.
8. Periodic monitoring of water samples from the groundwater sources should be carried out. Adequate treatment methods should be followed to remove the contaminants.
9. The STP should be augmented with SBR, including Tertiary Treatment Unit to ensure quality of treated water for re-use /recycle for flushing / gardening/ firefighting/ recharge of local ground water as per the plan submitted.
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 ground water, and for avoiding discharge of treated water into the nearby public drain.
11. The proponent should implement the drainage plan as proposed.
12. Water efficient plumbing features for saving water use should be adopted as per the plan submitted.
13. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
14. The Project Proponent should make provision for the housing of construction labour with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).

15. Climate responsive design as per Green Building Guidelines in practice should be adopted
16. Exposed roof area and covered parking should be covered with material having high solar reflective index
17. Building design should cater to differently-abled citizens
18. 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
19. Buildings should be barricaded with GI sheets of 6 m. (20 feet) height and provided appropriate protection so as to avoid disturbance to other buildings nearby during construction.
20. Construction work should be carried out during day time only.
21. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
22. All vehicles carrying construction materials should be fully covered and protected.
23. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
24. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
25. Occupational health safety measures for the workers should be taken during the construction.
26. All vehicles during the construction phase should carry PUC certificate.
27. The D.G. set should be provided with adequate stack height, and regular maintenance should be carried out before and after the construction phase. It should also be provided with an acoustic enclosure.

Item No.06 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Deepak Cheerothy, for an area of 0.9601 Ha at Survey No. 40/1K pt in Parappa Village, Vellarikundu Taluk, Kasaragod (SIA/KL/MIN/464326/2024)

The Committee scrutinised the Additional documents submitted by the project proponent and found them satisfactory. As per the documents, the PP obtained NOC from the Assistant Executive Engineer, Irrigation department, Kasaragod vide order dated 15.10.2024. The NOC was issued for a period of one year subject to certain conditions. As per the application, the total mineable reserve is 2,68,508 MT, with an average annual production is 53,500 MT. The life of mine is 5 years. The project cost is 244 Lakh. The highest elevation of the proposed area is 205m above MSL and the lowest elevation is 180 m above MSL. As per the presentation, the depth to water table is given as 5m below ground level at 157m AMSL. The ultimate pit level proposed is 165m AMSL. The distance to the nearest house is 117.5m. The Beemanady reserve forest is located at a distance of 3.69km. The high hazard zone is at a distance of 1.18km and the medium hazard zone is at a distance of 8.24km. The low hazard zone is found at distance of 75m. As per the Cluster Certificate dated 21.12.2022, there are no working quarries within 500m radius. **Based on discussion, the Committee decided to**

recommend EC for 5 years subject to the following Specific Conditions in addition to the General Conditions:

1. The Project Proponent shall scrupulously follow all the conditions stipulated in the NOC issued by the Irrigation Department
2. The green belt should be initiated prior to the commencement of mining using indigenous species.
3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
7. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
8. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
16. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power

17. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.07 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Kunjunneen for an area of 0.9716 Ha at Re- Sy No. 854/2C1-171 in Kurumbalangode Village, Nilambur Taluk, Malappuram. (SIA/KL/MIN/450073/2023)

The Committee scrutinised the Additional documents submitted by the project proponent and found them satisfactory. As per the documents, the PP submitted clarification regarding the ESA village along with the Cadastral Map of the village dated 11.07.2024. The PP submitted an affidavit from the Tahsildar, Nilambur Taluk office, dated 25.07.2024, stating that the surrounding area and the survey Numbers of the proposed project are not demarcated as ESA. The project cost is Rs. 14.85 lakhs. As per the approved Mining Plan, the mineable quantity is 97,160 MT for a mine life of 3 years. The average thickness of laterite to be mined is 4m and the mining proposed is up to a depth of 4.5m bgl (0.5 thick ness of top soil). The quantity of top soil is given by 9,716 MT. The cluster certificate dated 13/03/2024, states that no authorised quarry is in operation within 500m radius. The depth to water table is 10m below the ground level at 54m bgl. The medium hazard zone is at a distance of 4.28 km and the high hazard zone is at a distance of 5.21 km. As per the presentation, the nearest house is located at a distance of 72.35m from the project site. The elevation of the area is given as 54m AMSL. **Based on the discussion, the Committee decided to recommend EC for 3 years subject to the following specific conditions in addition to the general conditions.**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area.
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing 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 and maintained during the rest of the EC period.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm)

Item No.08 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Usman. V.K for an area of 0.8922 Ha at Block No. 50, Re- Sy No. 27/3-5, 27/3-6, 27/2 in Narukara Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/467662/2024)

The Committee scrutinised the additional documents submitted by the project proponent and found them satisfactory. As per the documents, the PP obtained NOC from the Executive Engineer, Irrigation department vide order dated 06.11.2024 with 11 conditions for a period of 1 year. As per the mining plan, the mineable quantity is 1,60,347.5 MT for a mine life of 3 years. The project cost is Rs. 1.60 crores. The elevation of the area varies between 140m AMSL to 175m AMSL. The PP submitted Comprehensive EMP considering the adjacent mines and the depth to water table varies between 6-7m bgl. As per the Cluster Certificate dated 19.02.2024, there is an authorised quarry situated within 500m radius with an area of 1.6646 Ha. As per the presentation, the nearest house is situated at a distance of 256.3 m from the proposed site. The medium hazard zone is located at distance of 2.65km. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the following Specific Conditions in addition to the General Conditions:**

1. The Project Proponent shall scrupulously follow all the conditions stipulated in the NOC issued by the Irrigation Department
2. The green belt should be initiated prior to the commencement of mining using indigenous species.
3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration

6. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
7. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
8. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
16. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
17. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.09 Environmental Clearance for the Granite Building Stone Quarry of Sri. Sajeev Kumar, Managing Partner, M/s Bharatha Granite for an area of 0.9982 Ha at Survey No. 127 in Thrikkur Village, Mukundapuram Taluk, Thrissur District. (SIA/KL/MIN/466653/2024)

As invited the Project Proponent Sri. Sajeev Kumar and the Consultant Dr. A. Dhamodharan were present. The Consultant made the presentation. As per the application, the total mineable reserve is reported as 2,72,827.5MT for a mine life of 4 years. The project cost is 1.89 Crore. The elevation of the area varies between 120m MSL to 115m MSL. The nearest building is found at a distance of 151.03m from the project boundary. The ultimate pit level proposed is 85m AMSL. The PP submitted the proof of application submitted for Wildlife Clearance vide Proposal No.WL/KL/MIN/QRY/487725/2024 dated 13/7/2024. As per the Cluster Certificate dated 18.03.2024, there are no operational quarries within 500m radius. The Committee also verified the additional documents submitted by the project proponent dated 26.10.2024. The depth to water table is given as 6m bgl at 62m MSL. During the presentation, the PP informed that the application for NOC from Irrigation Department is under processing. **Based on discussion, the Committee decided to recommend EC for 4 years subject to the submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19.04. 2024. The following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:**

1. The Project Proponent shall scrupulously follow all the conditions stipulated in the NOC to be issued by the Irrigation Department
2. Depth of mining should be limited to 110 m AMSL considering the depth to water table.
3. The green belt should be initiated prior to the commencement of mining using indigenous species.
4. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
8. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.

9. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
10. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
11. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
12. The haulage road should be provided with sprinkling facility to prevent dust pollution.
13. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
14. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
16. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
17. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
18. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
19. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
20. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.10 Amendment in Environmental Clearance for the Granite Building Stone Quarry of Smt. A.H Asurabi for an area of 3.2299 Ha at Survey Nos. 158/1, 158/2, 158/3, 159 in Venganellur Village, Thalappilly Taluk, Thrissur District- Application for Amendment in EC (SIA/KL/MIN/472180/2024)

The Committee scrutinised the Additional documents submitted by the project proponent and found them satisfactory. As per the documents, the PP submitted a sworn affidavit affirming that the quarrying lease has not been executed and the mining activities have not yet commenced. The PP submitted Certificate dated 24.07.2024. The PP also obtained NOC from the Executive Engineer, Irrigation Department vide dated 15.11.2024. It is also noted that the EC No EC22B001KL167179 dated 11/10/2022 was issued in the name of Sri M.H. Abdul Noushad for 5 years. As per the 121st SEIAA meeting, the EC was transferred to Smt. A.H Asurabi vide EC proceedings no. SIA/KL/MIN/294470/2022, 2150/EC6/2022/SEIAA dated 14/02/2023. Now, the Project Proponent has applied for change of period of life of mine. As

per the EC issued, the project life was 5 years. As per Approved mining plan, the project life is 12 years. The Peechi-Vazhani Wildlife Sanctuary is located at a distance of 7.81 km. During the presentation, the PP showed the slide depicting the proof of application for wildlife clearance is submitted to SCNBWL on 17.8.2024. The cluster certificate dated 24.7.2024 does not indicate cluster condition. The PP also stated that the CCR from IRO, Bangalore has not been obtained as the mining activity has not been started as the quarrying leases have not yet been executed. The PP submitted that the Hon'ble High Court vide its judgment directed the Mining and Geology Department to issue a lease certificate. The nearest habitation is located at 114.6m from the proposed site. As per the approved mining plan, the total mineable reserve is 9,51,263 MT. The judgement of the Hon. High Court dated 12.6.2023 in WP(C) NO.14488 OF 2023 quashed the Condition No.3(3) of Ext.P2, the EC dated 11.10.2022, that stipulates obtaining of clearance from SCNBWL and directed the 3rd respondent SEIAA to issue Environmental Clearance without insisting for clearance from SCNBWL. **Based on discussion, the Committee decided to recommend EC for 12 years from the date of original EC subject to the following Specific Conditions in addition to the General Conditions:**

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

12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
16. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
17. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.11 Reappraisal of Environmental Clearance issued by DEIAA, Palakkad for the Granite Building Stone Quarry of Sri. Saji Sebastian, Managing Director, M/s Matha Aggregates Private Limited for an area of 2.3698 Ha at Survey Nos. 459/1B2B, 459/1B2C, 459/3(Pt), 459/5(Pt) in Nagalassery Village, Pattambi Taluk, Palakkad District. (SIA/KL/MIN/459175/2024)

The Committee discussed the application and scrutinised the additional documents submitted by the project proponent dated 5/11/2024 through Parivesh Protal. Some of the additional documents uploaded on 5.11.2024 are not legible, especially the one starting from Page 2. The Cluster certificate dated 20.03.2024, states that there is no operational quarry within 500m radius of the proposed site. The PP submitted clarification for the distance to the nearest Wildlife sanctuary, the Peechi-Vazhani WLS, which is located at a distance of 19.1km from the proposed area. The CCR dated 23.04.2024 has been submitted. **Based on discussion the Committee decided to direct the Project Proponent to revise/submit the following additional documents.**

1. Depth to water table below ground level in the nearest dug well along with geotagged photograph of the well, distance from the project boundary and site elevation. Revised site specific EMP prepared by a NABET accredited agency.
2. Compliance with the Hon'ble Supreme Court judgment dated 2.08.2017 passed in Common Cause Vs Union of India in WP(C) 114 of 2014.
3. Revised site specific EMP prepared by the NABET accredited agency

Item No.12 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Tony Nirmal, Managing Director, M/s Rock Shell Granite and Sands Pvt. Ltd., for an area of 0.8852 Ha at Block No.2, Survey No.189/1 in Vaniyamkulam-2 Village, Ottappalam Taluk, Palakkad District. (SIA/KL/MIN/472780/2024)**

The Committee discussed the application and scrutinised the additional documents submitted by the project proponent dated 12th November 2024. The PP referenced a letter addressed to the Additional Principal Chief Conservator of Forests, Ministry of Environment, Forests & Climate Change, indicating that they have submitted an application for CCR, and the same has not yet been received. **Hence, the Committee has decided give one more chance to submit a recent CCR from the IRO, MoEF&CC, Bangalore.**

Item No.13 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Syju Lekshman for an area of 4.998 Ha at Block no. 41, Survey Nos. Re-Survey Nos. 322/2-2-1, 322/1, 322/6, 323/3, 324/6, 324/9-2, 324/6-3, 324/5-2, 324/3-2, 324/3-3, 324/4 (Private land), 325/1, 322/3, 323/2, 323/6, 323/7, 324/3 (Govt. land) in Chadayamangalam Village, Kottarakkara Taluk, Kollam District (SIA/KL/MIN/469043/2024)**

As invited, the Project Proponent Sri. Syju Lekshman, the Consultant Smt. Ananthitha, and RQP Sri. V.K. Roy were present. The Consultant made the presentation. The mineable reserve is given as 17,32,138 MT with a mine life of 12 years. The project cost is 9.12 Crores. The depth to water table is given by 8m below ground level at 70m AMSL. The mining is proposed as two blocks. The proposed ultimate pit level of Block A is 95 m AMSL and Block B is 85m AMSL. The Public hearing of the proposed project was conducted at Sree Padmam Auditorium, Chadayamangalam on 06.03.2024. The nearest house is at 68 m from the project boundary. As per the slope stability study, the average slope of the project area varies from 12° to 22°. The surrounding area has an average slope of 9° and the maximum slope is 27°. The estimated quantity of topsoil is 55,168 T and overburden is 51,501 T. The Committee noted that the PP submitted a letter of Executive Engineer dated 29.08.2024, stating that there are no irrigation structures under KIP, Kottarakkara within 1km radius of the project area. The letter also states that they have no objection to the execution of quarrying activities by Protected Blasting method. It is also noted that there is a letter received on 07.12.2024 for withdrawal of the mass petition received on 18.7.2024 signed by the Secretary, Action Council Chadayamangalam. **Based on discussion the Committee decided to direct the Project proponent to submit the following additional documents.**

1. Valid NOC for mining in the Government land
2. Revised Compensatory afforestation plan, preferably in a public place, with geo-tagged photographs and species proposed to be planted.
3. Details of health issues experienced by the local population due to quarrying activities based on primary data and mitigation measures
4. Boulder management plan as the one given is somewhat sketchy.

5. Revised landslide susceptibility study considering all the pertinent parameters and recommendations to be adopted for mitigation, if any, prior to, during and post-mining phases of the mining activities. From the report uploaded, it is not clear whether the landslide susceptibility study has considered the surrounding areas and has prepared based on slope, thickness of soil and other soil characteristics as depicted in the soil map of National Bureau of Soil Survey and Land Use Planning, land use characteristics, rainfall characteristics and comparison with the KSDMA maps, and other local parameters, if any, to be considered.
6. Protection measures proposed for the north, north-west and the north-east boundary of the proposed site as its long northern boundary falls on the steep slop region of the hillock with a road on its foot-slope region at a distance varying from 70m to 130m from the project boundary. There are many houses and built structures located on both side of the road requiring special attention to avoid any sort of risk and accidents.
7. Modified comprehensive regional EMP considering all the activities, consequent impacts and mitigation measures required for the proposed and active quarries within the cluster. The major comments during the public consultation and in the written complaints are broadly on the dust pollution, water shortage, traffic related issues, possible accidents and nuisance to public, need for water recharge and harvesting measures etc. Also, the site is very close to MC road and local roads and there are proposed and active quarries in adjacent areas. The modified comprehensive regional EMP should address all the issues above and the comments and complaints raised during the public consultation and afterwards along with mitigation measures and their integrated implementation and duties and responsibilities of all the proponents within the cluster.

Item No.14 **Environmental Clearance for the Granite Building Stone Quarry of Sri. K J Thomaskutty, Managing Partner, M/s Shah Quarry for an area of 4.8894 Ha at Block no.41, Re-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 in Chadayamangalam Village, Kottarakkara Taluk, Kollam District. (SIA/KL/MIN/468799/2024)**

As invited the Project Proponent Sri. K J Thomaskutty, the RQP VK Roy and the Consultant Smt. Ananthitha, were present. The Consultant made the presentation. The total mineable reserve is reported as 24,43,670 MT for a mine life of 12 years. The total project cost is given as 7.79 Crores. The public hearing of the project was conducted on 05.03.2024 at Sree Padmam Auditorium, Chadayamangalam. The depth to water table is given by 4.5 m below ground level. The average elevation of the project site is 123 m AMSL ranging from 97 to 141 m AMSL. Based on landslide susceptibility map 41,224 m² area of proposed site falls in low susceptible area and rest of the area falls in a non-susceptible area. The average slope of the project site is 12° with maximum slope 26°. The PP also submitted an order dated 01.11.2024 from the Executive Engineer Kollam, stating that there are no irrigation structures within 1km radius of the proposed site. The NOC was issued to the execution of quarrying

activities by Protected Blasting method. **Based on discussion the Committee decided to direct the Project proponent to submit the following additional documents.**

1. Revised Compensatory afforestation plan, preferably in a public place, with geo-tagged photographs and species proposed to be planted.
2. Details of health issues experienced by the local population due to quarrying activities based on primary data and mitigation measures
3. Boulder management plan as the one given is somewhat sketchy.
4. Revised landslide susceptibility study considering all the pertinent parameters and recommendations to be adopted for mitigation, if any, prior to, during and post-mining phases of the mining activities. From the report uploaded, it is not clear whether the landslide susceptibility study has considered the surrounding areas and has prepared based on slope, thickness of soil and other soil characteristics as depicted in the soil map of National Bureau of Soil Survey and Land Use Planning, land use characteristics, rainfall characteristics and comparison with the KSDMA maps, and other local parameters, if any, to be considered.
5. Protection measures proposed for the southern and western boundary of the proposed site as the southern boundary falls adjacent to a local road and western boundary falls at a distance of about 130m from the built structures adjacent to the MC road, both on the slop region of the hillock. There are houses and built structures located on both side of the roads requiring special attention to avoid any sort of risk and accidents.
6. Modified comprehensive regional EMP considering all the activities, consequent impacts and mitigation measures required for the proposed and active quarries within the cluster. The major comments during the public consultation and in the written complaints are broadly on the dust pollution, water shortage, traffic related issues, possible accidents and nuisance to public, need for water recharge and harvesting measures etc. Also, the site is very close to MC road and local roads and there are proposed and active quarries in adjacent areas. The modified comprehensive regional EMP should address all the issues above and the comments and complaints raised during the public consultation and afterwards along with mitigation measures and their integrated implementation and duties and responsibilities of all the proponents within the cluster.

Item No.15 Environmental Clearance for the Granite Building Stone Quarry of Sri. K Hussain, Managing Partner, Mubarak Metal Crushing Unit for an area of 0.8105 Ha at Survey No. 1/1 in Ottapalam 1 Village, Ottapalam Taluk, Palakkad District.(SIA/KL/MIN/463263/2024)

As invited, an authorized person Sri. Abubakkar K and the RQP Sri. V.K Roy were present. The RQP made the presentation. The elevation of the area varies between 160m AMSL and 125m AMSL. The Committee also noted the complaint filed by Sri. V K Sreekandan M.P (Loksabha) against quarrying operation in Anangamala. The proposed site is very near to the Anangamala. The environmental sensitivity and the vulnerability of Anangamala is very high especially considering its location with respect to the Palghat Gap. The Committee observed that permitting quarries in and areas linked to Anangamala will destroy the characteristics of

the hillock, which is extremely undesirable, especially in the changed climatic scenario and the importance of Anangamala with respect to the micro-climate of the region. The proposed area is also partially within the medium hazard zone. **In these circumstances, the committee decided to recommend rejection of the proposal considering the importance of the conservation of the environment of the proposed site and its surroundings and invoking Precautionary Principles.**

Item No.16 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Abdulla Maliyekkal, for an area of 0.9884 Ha at Block No. 18, Re- Sy No. 479/2-1 in Vazhakkad Village, Kondotty Taluk, Malappuram. (SIA/KL/MIN/476637/2024)

The Committee discussed the application and scrutinised the additional documents submitted by the project proponent dated 08/11/2024. As per the document, the Cluster certificate dated 13.09.2024, there is a laterite quarry proposal of Sri. Mohammed Shafi for an area of 0.8053Ha within 500m radius. The depth to water table is given by 14m bgl. The total mineable reserve is given as 1,35,905 MT for a mine life of 2 years. The project cost is 45 Lakhs. The elevation of the area varies between 174m AMSL to 190m AMSL. The project area is located between Moderate Hazard Zones. **After detailed discussions, the Committee decided to direct the Project proponent to revise the following.**

1. Revised integrated EMP with budget provision prepared by a NABET accredited agency with special emphasis on transportation plan and traffic management.
2. Details of the roads leading to the proposed project site as the details provided earlier is not satisfactory.

Item No.17 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Muhammed Nishad.P, for an area of 0.798244 Ha at Re- Sy No. 33/1033, 33/1032,33/1076, 33/1079,33/1078 in Kakkad Village, Kozhikode Taluk, Kozhikode (SIA/KL/MIN/472280/2024)

The Committee scrutinised the additional documents submitted by the project proponent and found them satisfactory. The PP submitted Comprehensive EMP considering the adjacent mines vide letter dated 30/09/2024. The depth to water table is given as 9m below ground level at 116m AMSL. The total production is reported as 1,15,986.6 MT for a mine life of 2 years. The elevation of the area varies between 162m AMSL to 202m AMSL. As per the Certificate provided dated 03.05.2024, there are 3 other working quarries with total area of 1.4828 Ha within 500m of the proposed site. The project cost is 30 lakhs. As per the presentation the nearest house is located at a distance of 122.9 m. **Based on discussion, the Committee decided to recommend EC for 2 years subject to the following specific conditions in addition to the general conditions.**

1. The Project Proponent should implement the comprehensive EMP by considering the adjacent project proposals.
2. The excavation activity should not involve blasting.

3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area.
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
9. Workers/laborers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
11. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented within 6 months from the date of EC and maintained during the rest of the EC period.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm)

Item No.18 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Shibu Mathew, (M/s Rockfield Estates Private Limited), for an area of 3.9206 Ha at Block No. 40, Re-Survey 162/11, 162/12, 163/1, 163/2, 163/3, 163/8 of Pampady Village, Pampady Grama panchayat, Kottayam Taluk, Kottayam. (SIA/KL/MIN/470219/2024)

As invited the Project Proponent, Sri. Shibu Mathew and Sri. P.Z Thomas, Consultant representing M/s Environment Engineers and Consultants Ltd were present. The Consultant made the presentation. As per the Cluster Certificated dated 12.04.2024, there is no working quarries located within 500 m. However, there is an active quarry seen adjacent to the site as per google imagery. The elevation of the area varies between 110 m AMSL to 70 m AMSL. The total mineable reserve is reported as 15,12,009 MT for a mine life of 5 years. The total quantity of overburden is 1,77,071 MT. The total project cost is Rs. 7.01 Crores. The depth to water table is 1.80m below ground level at 55.20 RL. There is a 110 kVA Tower line at a

distance of 105m as per the presentation. The PP obtained NOC from Power Grid Corporation of India dated 30-07-2024. The NOC from KSEB was obtained on 13.10.2023. The nearest house is located at 55.22 m from the site. The soil depth of the core area varies from 1.0 m. to 4.0 m. and in the buffer area it varies from 3.1 to 3.0 m. A first order stream is found at a distance of 120m from the proposed site. During the presentation, the PP stated that the built structures adjacent to BP1 and BP2 were demolished. **Based on discussion the Committee noted the following shortcomings for further appraisal of the proposal.**

1. Proof for demolished built structures including geo-tagged photographs as conveyed by the PP during Presentation.
2. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024.
3. Clarification regarding the Cluster condition as there is an active quarry nearby.
4. Revised CER considering the requirement of the Erumathala SC settlement as mentioned in the need analysis.

The Committee also decided to entrust the team of Dr. Mahesh Mohan and Dr. N. Ajithkumar to conduct field inspection and report.

Item No.19 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Joy.K.O, Director, M/s Pampakuda Aggregates Pvt.Ltd for an area of 0.9994 Ha at Survey No. 645/4-A1-4, 645/4-A-2-3, 645/4-A-1-3, 645/4-B-3-2, 645/4-A-2-4, 645/4-B-1-2, 645/4-B-2-2 in Onakkoor Village, Muvattupuzha Taluk, Ernakulam. (SIA/KL/MIN/462429/2024)

As invited, authorized person of PP, Sri. Ratheesh MR and the RQP C. Balaraman were present. The RQP made the presentation. As per the application, the mineable reserve is 2,05,265 MT for a mine life of 2 years. The elevation of the proposed site varies between 192 AMSL to 144 AMSL. The depth to water table is given as depth of 7m below ground level from 99 m AMSL. The nearest house is located at 204.3 m from the proposed site. The PP obtained NOC from the irrigation department, Muvattupuzha vide order dated 20.11.2024 with 9 conditions. As per the NOC there are no irrigation structures within 1 km radius and it is valid up to 14.11.2025. As per the Cluster Certificate dated 19.01.2024 there is no working quarries within 500m radius of the proposed area. The ADS sought were included in the PPT, but they are not uploaded. **Based on discussion the Committee decided to direct the Project proponent to submit the following additional documents.**

1. EMP prepared by a NABET Accredited agency.
2. Compensatory afforestation plan since the area is already vegetated. Hence, an alternate site for Compensatory afforestation preferably in public places.
3. Revised CER as per the guidelines uploaded on the SEIAA Kerala website.
4. Detailed drainage plan.
5. OB dump plan with protection measure proposed.
6. Revised Compensatory afforestation plan since the area is already vegetated. Hence, an alternate site for Compensatory afforestation preferably in public places.

7. The depth to water table in the nearest dug well along with geotagged photograph of the well, distance to it from the project boundary and altitude of the well site.
8. Detailed drainage plan.
9. OB dump plan and protection for the dump.
10. Pre-feasibility report, if not uploaded already
11. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024.

Item No.20 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Mujeeb K.P, Managing Director, M/s. KPA Crusher Private Limited for an area of 1.2485 Ha at Block No. 08, Resurvey No. 188/1-1, 188/1-5, 188/2- 4, 188/3, 188/3-1, 188/3-2, 188/4-1, 188/4-2 & 190/1-3 in Pulikkal Village, Kondotty Taluk, Malappuram. (SIA/KL/MIN/482870/2024)

As invited, the Project Proponent Sri. Mujeeb K.P and the Consultant Sri. Vikas Thripadhi from M/s. Parivesh Environmental Engineering Services were present. The EIA Consultant made the presentation. The ToR for the proposed project was approved vide letter No. SIA/KL/MIN/412566/2022, 2187/EC6/2023/SEIAA dated 22.03.2023. The mineable reserve is given as 4,25,960 MT for a mine life of 10 years. The nearest house is located a distance of 290 m from the project site. The total project cost as per the presentation is Rs. 3,08,08,500/-. The elevation of the area varies between 150 m AMSL to 120 m AMSL. The proposed area falls under the moderate hazard zone and the PP submitted application for NOC from District Level Crisis Management Group. The public hearing was conducted on 19.12.2023 along with 29 participants. The average depth of ground water level is about 4.9-6.1 m below ground level, which is at 49.1m AMSL to 96.8m AMSL. **Based on discussion the Committee noted the following shortcomings for further appraisal of the proposal.**

1. Revised integrated EMP considering the impact of adjacent mines.
2. Approval of the District level Crisis Management Committee for mining as part of the site falls in the medium hazard zone.
3. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024

The Committee also decided to entrust the team of Dr. C.C. Harilal and Dr. A.N. Manoharan for evaluation of EIA report and to conduct field inspection and report.

Item No.21 Environmental Clearance for the Ordinary Earth Mining Project of Sri. Mathewkutty. T M, for an area of 0.99 Ha at Block No. 49, Sy No. 254/7,254/7-3, in Aikaranad South Village, Kunnathunadu Taluk, Ernakulam. (SIA/KL/MIN/481172/2024)

The Committee scrutinised the additional documents submitted by the project proponent and found them satisfactory. The PP clarified that, the work order was not signed by the

authorized person of KINFRA, but the work order submitted dated 11th September 2024, which actually belongs to the Infopark, Kochi. As per the application, the total mineable reserve is 55,440 MT. The life of mine is 2 years. The project cost is 35 lakhs. The elevation of the area varies from 41m to 61m AMSL. The depth to water table is reported as 5m bgl at 29m AMSL. There are houses within 50m radius, and the nearest is at a distance of 17.7 m from the site. As per the presentation, the moderate hazard zone is found at 22.40 km away from the proposed site. **Based on discussion, the Committee decided to recommend EC for 2 years subject to the following specific conditions in addition to the general conditions.**

1. The depth of mining should be limited to 2m bgl.
2. The excavation activity should not involve blasting.
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area.
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
9. Workers/laborers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
11. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented within 6 months from the date of EC and maintained during the rest of the EC period.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm)

Item No.22 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Justin Varghese for an area of 0.6100 Ha at Block No.30, Sy.No.209/2, in Vadasserikkara Village, Ranni Taluk, Pathanamthitta. (SIA/KL/MIN/485679/2024)**

As invited the Project Proponent Sri. Justin Varghese and the RQP Sri. VK Roy were present. The RQP made the presentation. The elevation of the proposed area varies between 120 m AMSL to 100 m AMSL. The nearest habitation is located at 56.2m from the proposed site and there are several houses within 100m radius. As per the application and the Google imagery, the Pampa River is located at a distance of 250m and the site is located on a hill-ridge with the slope towards the river. The slope is high. The population density along the roadside and the river bank is very high. The soil thickness of the area is high and critical. The Vadasserikkara village is an ESA village, as per the MoEF&CC draft notification. **Considering the environmental fragility of the area, the Committee decided to recommend rejection of the proposal by invoking Precautionary Principle.**

Item No.23 **Reappraisal of EC issued by DEIAA for the Granite Building Stone Quarry Project of Sri. Alex Thomas, (M/s. NJT Granites), for an area of 2.8855 Ha at Sy. No: 16/pt of West Eleri Village, Vellarikundu Taluk, Kasaragod. (Proposal No. SIA/KL/MIN/456225/2024)**

As invited the Project Proponent Sri. Alex Thomas and the RQP C. Thambu Cherian were present. The RQP made the presentation. The Project proponent obtained NOC from the Irrigation department dated 23.11.2024, with certain conditions to carry out mining by controlled blasting without affecting the irrigation structures. The PP also submitted CCR from the MoEF&CC dated 07.06.2024. As per the Cluster certificate dated 17.04.2024, there are no licenced working quarries within 500m radius of the proposed site. **Based on discussion, the Committee decided to entrust Dr. A.N. Manoharan and Prof. Sri. V. Gopinathan for field inspection and report.**

Item No.24 **Environmental Clearance for the steel making and rolling mill manufacturing unit by M/s. Yesemm Steel Products (Kanjikkodu) Pvt. Ltd. Unit II for an area of 11.24 ha at Sy. Nos. 310/1,2, 316/2, 317/1, 318/1-9, 319/1 -12, 320/1-12, 321/1, 325/1,9, 326/1,2,3, 327/1, 328/1-7, Industrial Development Area, Pudussery Central village, Palakkad Taluk and District. (SIA/KL/IND1/489874/2024)**

As invited the Project Proponent Sri. Ummar K.P, Managing Director, the Consulants G.V. Reddy from TEAM Labs, and PZ Thomas were present. The consultant made the presentation. The area of the project is 11.24 ha (27.78 acres). The Project cost is Rs. 46.9 crores. As per the presentation, Valayar river is located adjacent to the site and the Koraiyar river is located at 0.64 km from the proposed site. The annual production is 0.1122 million MT (in the Category of more than 0.06 million MT and less than 0.12 million MT). The total

water requirement is given as 79.5 KLD. **Based on discussion the Committee noted the following shortcomings for further appraisal of the proposal.**

1. Details of water management plan with source and yield characteristics.
2. Details of rainwater harvesting plan

The Committee also decided to entrust the team of Dr. K.Vasudevan Pillai, Dr. A.V. Raghu and Sri. S. Sheik Hyder Hussain to conduct field inspection and report.

Item No.25 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Eldho Jacob, for an area of 4.1957 Ha at Re-Block No. 22, Re-Survey Nos. 170/1,170/2,170/3 in Muthalamada 1- Village, Chittur Taluk, Palakkad District. (SIA/KL/MIN/489749/2024)

As invited the Project Proponent Sri. Eldho Jacob and the RQP Dr. Nazar Ahamed K.V were present. The RQP made the presentation. The mineable reserve is 13,05,617 MT and the mine life proposed is 5 years. There are three buildings within 50m. The Anamalai Tiger Reserve and Parambikkulam Wildlife Sanctuary are located at a distance of 5.23km and 7.83km respectively. The survey map uploaded is not legible. The village is listed as ESA. The elevation of the area varies between 212 m to 197 AMSL. As per the Cluster certificate dated 08.07.2024, there is no quarry in operation within 500m radius of the site. The PP submitted proof of application submitted for Wildlife Clearance vide Proposal No. WL/KL/MIN/QRY/507241/2024 dated 22.11.2024. The PP also submitted an affidavit from the Tahsildar, Chittur dated 09.10.2024 regarding the ESA. The affidavit also states that the proposed area is not demarcated as ESA as per the KSBB Website and no landslide like incidents have been documented in that region. The PP submitted a clarification regarding the built structure from Village Officer vide affidavit dated 24.10.2024. As per the letter there is building with a number of 10/491 of within 50m radius and which has been demolished in accordance with the issuance of licenses. Furthermore, there are two buildings in that vicinity that may serve as storage facilities for equipment. The PP obtained NOC from the Irrigation Department vide order dated 06.11.2024 subjected to 9 conditions. **Based on discussion the Committee noted the following shortcomings for further appraisal of the proposal.**

1. Revised CER as per the guidelines uploaded on the SEIAA website is not submitted.
2. ESA area depicted in Cadastral Map Certified by the Tehsildar is not submitted.

The Committee also decided to entrust Dr. K. Vasudevan Pillai, Sri. S. Sheik Hyder Hussain and Dr. R. Ajayakumar Varma to conduct field inspection and report.

Item No.26 Environmental Clearance for the Ordinary Earth Removal Project of Sri. Renudas P.N for an area of 0.6242 Ha at Block no: 34, Re-Survey Nos. 215/15, 215/14 in Pattimattom Village, Kunnathunad Taluk, Ernakulam. (SIA/KL/MIN/490974/2024)

The Committee scrutinised the additional documents submitted by the project proponent and found them satisfactory. The PP submitted revised work order from the Deens Group vide dated 17.10.2024 for filling earth of 30,000m³ for allied civil works of Kochi Metro extension. As per the letter dated 18.09.2023, the excavated soil is intended for preparatory

and allied Civil works as part of Kochi Metro phase-1 extension. As per the application, the total mineable reserve is 88,664T. The project cost is Rs.15 Lakhs. The life of mine is 1 year. The highest elevation of the proposed area is 74 m AMSL and the lowest elevation is 52 m AMSL. The depth to water is 6m bgl at 40 AMSL. The medium hazard zone is found at a distance of 19.20 km from the proposed site. The high hazard is found at a distance of 29.05 km from the proposed site. The survey map, though not legible, indicates that there are built structures located within 50m distance from the project boundary. **Based on discussion, the Committee decided to recommend EC for 1 year subject to the following specific conditions in addition to the general conditions.**

1. The depth of mining should be limited to 2m bgl.
2. The excavation activity should not involve blasting.
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area.
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
9. Workers/laborers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
11. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented within 6 months from the date of EC and maintained during the rest of the EC period.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm)

Item No.27 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K P Siyad, Managing Director, M/s Kunnathan Granites Pvt Ltd for an area of 0.9978 Ha at 320/1A-66T-1,320/1A-66T-1-2,320/1A-66T-1-3,320/1A-89/15-5,320/1A-89/15-6,320/1A-66T-1-3& 320/1A-66T-1 in Kottappady village, Kothamangalam taluk, Ernakulam. (SIA/KL/MIN/491075/2024)**

As invited, the authorised person Sri. Muhammed Ali Jouhar and Sri K.R Haneesh, EIA Coordinator of Sree Green Consultants were present. The RQP made the presentation. The PP submitted application (No.WL/KL/MIN/QR/491987/2024) for Wildlife Clearance since the Thattekad Bird Sanctuary is located within 10 km from the site. After hearing the presentation, the committee found that a built structure adjacent to the proposed site and it is not mentioned in the survey map provided by the village officer. The elevation of the area varies from 70m above MSL to 90m above MSL. The total mineable reserve is 2,43,225 MT for a mine life of 3 years. As per the presentation, a quantity of 11,088 cu.m of topsoil is proposed to be removed during the mining operations. About 5,544 cu.m of overburden will be generated throughout the mine life. The average thickness of soil and the over burden varies between 1.6 m to 0.8 m. **Based on discussion, the Committee decided to direct the PP to submit/revise the following additional documents.**

1. Depth to water table measured in the nearest open well to the site with geotagged photographs of the site, distance to the well from the project boundary and elevation of the well site.
2. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024.
3. Clarification regarding the building located adjacent to the site.
4. Regional EMP as per the directions uploaded in the SEIAA website.
5. Revised drone video of the site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.
6. Revised Compensatory afforestation plan with five times of the number of trees to be removed. The plan is to be implemented preferably in a public place, with geo-tagged photographs and species proposed to be planted.
7. Soil thickness along and across the project area

Item No.28 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. E K Abdul Salam for an area of 0.9995 Ha at Survey No. 80/11-1, 80/11-2-2, 80/11-4-5-2, 80/12-2, 80/12-1, 80/12- 2-2, 80/12-3, 80/12-1-2 in Manjalloor Village, Muvattupuzha Taluk, Ernakulam. (SIA/KL/MIN/492582/2024)**

As invited the Project Proponent Sri. E K Abdul Salam and the RQP C. Balaraman were present. The RQP made the presentation. The site is located on the middle part of an extremely steep midland residual east-west trending hill ridge of length about 4.6km from

Kavana in the west to Kadalikkad in the east on its northern side. The elevation of the ridge varies from about 40m above MSL to 170m above MSL with site elevation varying between 58m AMSL to 104m AMSL. A Quarry proposal No. SIA/KL/MIN/434759/2023 of Sri. Thomas Joseph for an area of 0.9674 Ha within 500m radius of the present proposal (as per the Google imagery) was found rejected. The Proposal was rejected by 164th SEAC meeting as the Committee observed that, the hill-ridges are normally rich repositories of flora and fauna often with rare, endemic and threatened (RET) species. The thermal variations in the rocky surfaces enable the sustenance of certain species and such details are necessary to be known prior to considering any intervention in such areas. The midland residual hill ridge influences the micro climatic system and weather pattern of the region. Therefore, conservation of such ecological systems is of utmost importance to the environmental sustenance of the region. The mining in such extremely steep terrain is highly risky to the built structures located in the foothill regions. The execution of mining related activities in such an extremely slope region will be highly risky and disaster prone. The valley portion of the hill ridge exhibit rich natural resource scenario due to micro-climatic advantage of the region which will be lost, in the event of disturbance to the elongated hill-ridge. Any activity impacting the landscape and ecology of such residual hill ridges is not very desirable considering its rich biodiversity, importance as a natural micro-climate regulator and relatively high-risk potential. **Based on the above aspects, the Committee decided that the principle of precaution is applicable in this case, in anticipation of environmental harm and high-risk potential and therefore requires anticipatory action to be taken to prevent harm. The Committee noted that the Principle of Precaution is based on scientific uncertainty and justified concern or risk potential and involves the anticipation of environmental harm and taking measures to avoid it or to choose the least environmentally harmful activity. It is also noted that environmental protection should not only aim at protecting health, property and economic interest but also protect the environment for its own sake. Considering these, the Committee decided to recommend rejection of the proposal invoking Precautionary Principle.**

Item No.29 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Mustafa Pulukool, for an area of 0.3773 Ha. at Block No. 28, Re-Survey Nos. 240/101, of Kankol Village, Payyannur Taluk, Kannur (Proposal No. SIA/KL/MIN/486727/2024)

The Committee scrutinised the additional documents submitted by the project proponent and found them satisfactory. The targeted production of mine will be for 37,750 MT for a mine life of 3 years. The depth to water table is given as 9m below ground level at 72 m AMSL. As per the Cluster Certificate dated 01.07.2024, there is no permitted quarries within 500m radius. The nearest house is located at a distance of 62m from the proposed site. The mining is proposed up to a depth of 5m bgl. The elevation of the area varies between 82m AMSL to 89m AMSL. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the following specific conditions in addition to the general conditions.**

1. The excavation activity should not involve blasting.

2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area.
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC and maintained during the rest of the EC period.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm)

Item No.30 Environmental Clearance for the Granite Building Stone Quarry of Sri. Sakeer Hussain for an area of 0.8150 Ha at Re-survey nos. 314/3, 314/3-6, 314/3-7, 314/3-8 at Koovappally Village, Kanjirappally Taluk, Kottayam. (SIA/KL/MIN/487382/2024)

As invited the Project Proponent, Sri. Sakeer Hussain and the RQP Sri. VK Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 1,12,988.63 MT. The life of mine is 3 years. The project cost is 1.27 crore. The highest elevation of the proposed area is 215 AMSL and the lowest elevation of the proposed area is 160m AMSL. As per the PFR the depth to water table is 9m bgl at 49m AMSL. A rubber fertilizer shed is found at a distance of 80.42m. The nearest house is located at a distance of 150.32m. As per the cluster certificate dated 08.07.2024, there is no working quarries within 500m of the proposed site. The presentation indicated that the PP has submitted an application for a NOC from the Irrigation Department. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the submission of NOC from the**

Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024. The following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:

1. Depth of mining should be limited to 70m AMSL to avoid the formation of pit and to avoid water stagnation on the slope.
2. The green belt should be initiated prior to the commencement of mining using indigenous species.
3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
7. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
8. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.

16. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
17. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.31 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Amal Raj, Managing Director, M/s Adish Granites Private Limited for an area of 0.9816 Ha at Re Survey No. 5/30, 5/31 & 5/34, Re survey Block No.29 in Kavassery-1 Village, Alathur Taluk, Palakkad District. (SIA/KL/MIN/488708/2024)

As invited, the Project Proponent, Sri. Sri. Amal Raj and the RQP Sri K.R Haneesh, EIA Coordinator of Sree Green Consultants were present. The RQP made the presentation. The PP submitted the Comprehensive EMP considering the adjacent mine of Sri. Ashwin K. J, M/s Pridhvi Granites for an area of 2.6233 ha located within 500m radius. As per the mining plan, the total mineable reserve is 2,67,240 MT. The life of mine is 3 years. The Project cost is 136 lakhs. The nearest house is found at a distance of 104.4 m from the project boundary. The Committee noted that the Chulanur Peafowl Sanctuary is located at a distance of 7.89 from project boundary. The PP submitted application for Wildlife Clearance vide proposal No. WL/KL/MIN/QRY/490307/2024. The elevation of the proposed site varies between 95 m AMSL to 100 m AMSL. The presentation indicated that the PP has submitted an application for NOC from the Irrigation Department. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024. The following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:**

1. Depth of mining should be limited to 85m AMSL
2. The Project Proponent should implement the comprehensive EMP by considering the adjacent project proposals.
3. The green belt should be initiated prior to the commencement of mining using indigenous species.
4. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.

6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
8. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
9. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
10. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
11. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
12. The haulage road should be provided with sprinkling facility to prevent dust pollution.
13. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
14. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
16. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
17. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
18. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
19. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
20. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.32 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Noushad C.K for an area of 0.3480 Ha at Block No.14, ReSurvey No. 202/1-2, 202/3-4 in Muthuvallur Village, Kondotty Taluk, Malappuram. (SIA/KL/MIN/493349/2024)**

As invited the Project Proponent Sri. Noushad C.K and the RQP VK Roy were present. The RQP made the presentation. The total quantity proposed for mining is 47,850 MT (23,925+23,925) with a total recoverable quantity of 38,280 MT. The life of mine is 2 years. As per the Mining Plan, the distance to nearest house is 72.4m. The depth to water table is at 10m bgl at 168m AMSL. The total project cost as per the presentation is Rs. 8,79,100 lakhs. The elevation of the proposed area varies between 182m AMSL to 177m AMSL. As per the Cluster certificate dated 16.08.2024, there are two authorized quarries in operation within 500m. During the presentation, it is noted that the Comprehensive EMP has not adequately addressed the impacts of the adjacent mines. The total area of the quarries within 500m radius is given by 1.4199 Ha. **Hence, the Committee decided to direct the PP to revise and resubmit Comprehensive EMP prepared by a NABET accredited agency considering impacts and the mitigation measures of all the projects in the Cluster.**

Item No.33 **Environmental Clearance for the Expansion of the existing Hospital cum Medical College campus (Medical College, Nursing College, Multispecialty Hospital with Tertiary care Center) project of Sri. Joy. P. Jacob, Secretary, M/s The Malankara Orthodox Syrian Church at Sy. Nos. 129/6-2, 129/10, 129/11-2, 135/2, 135/3, 135/3-2, 135/4, 134/1-5, 134/1-6, 134/1-7, 135/5 in Aikarnad North Village and Sy. Nos. 24/1-2-9, 24/1-2-10, 24/5-1-2 in Aikarnad Grama Panchayat, Aikarnad S. Village, Kunnathunad Taluk, Ernakulam. (SIA/KL/INFRA2/479309/2024)**

As invited, the Project Proponent, Sri. Joy. P. Jacob and the Consultant Sri. PZ Thomas were present. The consultant made the presentation. As per the presentation, the Bio-medical waste from the site would be disposed of through M/s Kerala Enviro Infrastructure Ltd. (KEIL), Ambalmedu, Kochi, an authorized agency by the Kerala State Pollution Control Board. The PP has entered into a MoU with KEIL for the Bio-medical waste management. The present application is made for obtaining prior environmental clearance for total built-up area of 1,29,376.34 sq.m (9,777.25 sq.m. constructed post 14-09-2006 + 1,19,599.09 sq.m. proposed construction). Number of floor proposed is B + Gr. + 10 floor (Central Block & OT Block). The FAR proposed is 2,08,861.71 sq.m. (@1.629). The project cost is Rs. 716.406 Crores. The daily water requirement is 1,290 KLD and the daily fresh water requirement is 550 KL. Domestic sewage generation is 822 KL per day. Treated water available from STP is 740 KL per day. **After hearing the presentation, the Committee noted the following shortcomings.**

1. Green belt plan.
2. Revised CER as per the OM dated 30th September 2020 and as per the guidelines uploaded in the SEIAA website.

3. Applicability of 1994 and 2004 EIA Notification for the existing building.
4. Revised drainage plan.
5. Feasibility for open vegetated ditch.

Based on discussion, the Committee decided to entrust Dr. N. Ajithkumar and Sri. S. Sheik Hyder Hussain for field inspection and report.

Item No.34 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Krishnadas M, for an area of 0.7916Ha at block no: 33, re-survey nos: 200/5, 200/7 & 201/3 in Puthukode Village, Alathur Taluk, Palakkad District. (SIA/KL/MIN/488013/2024)

As invited the Project Proponent Sri. Krishnadas M and the Consultant Dr. A. Dhamodharan were present. The Consultant made the presentation. The PP submitted EMP prepared by NABET accredited agency and the application for NOC from the irrigation department. As per the application, the total mineable reserve is 1,88,608 MT. The life of mine is 3 years. The project cost is 1.60 Crore. The Peechi-Vazahni WLS (8.90 from the site) and Chulannur Peafowl Sanctuary (6.50km from the site) are found within 10km radius of the proposed site. A poultry farm is found at a distance of 53.7m. The lowest elevation of the proposed area is 85m AMSL and the highest elevation is 90m AMSL. The depth to water table is given as 9m bgl. The Project proponent submitted the proof of application for wildlife clearance vide Proposal No.WL/KL/MIN/QRY/487549/2024. The medium hazard zone is located at a distance of 6.62 km and high hazard zone is found at a distance of 13.32 km. As per the cluster certificate 01.07.2024, there is no quarry operation within 500m radius from the applied area. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19.04. 2024. The following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:**

1. Depth of mining should be limited to 80m AMSL.
2. The green belt should be initiated prior to the commencement of mining using indigenous species.
3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
7. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle

Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.

8. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
16. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
17. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.35 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Abdul Nazar for an area of 0.5721 Ha at Survey No. 17/11 & 17/2 in Anamangad Village, Perinthalmanna Taluk, Malappuram. (SIA/KL/MIN/490797/2024)

As invited, an Authorised person Hamza KP and the Consultant Dr. A. Dhamodharan were present. The Consultant made the presentation. As per the presentation, the depth to water table is 10m bgl 62 m MSL. As per the application the total mineable reserve is 1,06,592 MT for a mine life of 5 years. The project cost is Rs.187 Lakhs. The highest elevation of the proposed area is 95m MSL and the lowest elevation is 80m MSL. The depth to water table is 10m bgl at 62m AMSL. As per the PFR, the nearest house is located at a distance of 85m. As per the cluster certificate dated 30.07.2024, there is no authorized granite building stone quarry in operation within 500m radius. The medium hazard zone is located at a distance of

0.78 km. The nearest house is situated at a distance of 75.3m from project boundary. The soil and overburden thickness varies from average 1.4m to 0.7m. The presentation indicated that the PP has submitted an application for a NOC from the Irrigation Department. **Based on discussion, the Committee decided to recommend EC for 5 years subject to the submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024. The following Specific Conditions, in addition to the General Conditions may be stipulated while issuing EC:**

1. Depth of mining should be limited to 75m AMSL
2. The green belt should be initiated prior to the commencement of mining using indigenous species.
3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
7. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
8. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).

15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
16. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
17. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.36 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Greego Kurian, for an area of 0.9270 Ha at Block No. 26, Re- Sy No. 149/8-2, 149/7-2, 149/6-2, 149/5-2 in Valakom Village, Kottarakkara Taluk, Kollam District (SIA/KL/MIN/490152/2024)

As invited, the Project Proponent Sri. Greego Kurian and the RQP VK Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 1,81,452.5 MT. The life of mine is 3 years. The project cost is 1.10 crore. The highest elevation of the proposed area is 145m AMSL and the lowest elevation is 120m AMSL. The depth to water table is 8m BGL at 100m AMSL. As per the cluster certificate dated 27.11.2023, there are no working quarries in operation within 500m radius. The distance to high hazard zone from the proposed site is 20.2 km. The distance to medium hazard zone is 5.3 km from the proposed site. As per the PFR, there is an office building located at 22m away from the project boundary. Kallottu Industries is found at a distance of 58.1m. The Committee also verified the EMP submitted by the PP and found it satisfactory. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024. The following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:**

1. Depth of mining should be limited to 115m AMSL
2. A buffer of 50m should be maintained from the project boundary to the nearest built structure.
3. The green belt should be initiated prior to the commencement of mining using indigenous species.
4. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.

6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
8. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
9. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
10. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
11. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
12. The haulage road should be provided with sprinkling facility to prevent dust pollution.
13. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
14. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
16. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
17. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
18. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
19. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
20. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.37 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Muhammed Shereef for an area of 1.2916 Ha at Block No.3, ReSurvey No. 291/3-29 in Moorkkanad Village, Perinthalmanna Taluk, Malappuram. (SIA/KL/MIN/480065/2024)

As invited the Project Proponent, Sri. Muhammed Shereef and the Consultant Dr. A. Dhamodharan were present. The Consultant made the presentation. As per the presentation, the soil and overburden thickness varies from average 1.2 m to 0.8 m. As per the application, the total mineable reserve is 3,92,325 MT. The life of mine is 5 years. The project cost is Rs.1.50 Crore. The elevation of the site varies from 115 m AMSL to 160 m AMSL. As per the cluster certificate dated 02.05.2024, there is no authorized quarry within 500m radius. The depth to water table is 7m bgl. The medium hazard zone is located at 1.50km away from the site. The nearest house is located at 204.3m from the site proposed. The PP has submitted NOC from Irrigation Department. **Based on discussion, the Committee decided to recommend EC for 5 years subject to the following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:**

1. Depth of mining should be limited to 115m AMSL to reduce the pit formation.
2. All the conditions in the NOC of Irrigation Department shall be scrupulously followed.
3. A bund should be developed connecting the BP1 to BP3 to avoid the mishaps.
4. The green belt should be initiated prior to the commencement of mining using indigenous species.
5. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
6. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
7. 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. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
10. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
11. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR

12. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
13. The haulage road should be provided with sprinkling facility to prevent dust pollution.
14. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
15. 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.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
17. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
18. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
19. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
20. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
21. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

PARIVESH Ver-2
PART-2

Item No.01 **Re-appraisal of EC issued by DEIAA, Kottayam for the Granite Building Stone Quarry project M/s. Popular Metals for an area of 1.5786 Ha at Sy Nos. 67/1-22 part and 67/1-42 part, Erumely South Village, Kanjirappally, Kottayam, Kerala - (SIA/KL/MIN/494630/2024)**

The Committee examined the proposal and discussed it in detail. As per the documents, the validity of EC issued by the DEIAA was valid up to 18.12.2017 and expired on 17.12.2023 after getting the Covid relaxation. The quarrying lease was granted for a period of 11 years vide order dated 14.02.2018 from the date of execution of the lease ie, on 23.02.2018 to 22.02.2029. The letter of District Geologist dated 27.01.2024 states that the mineable reserve is 2,79,392 MT and the revised Scheme of mining is approved dated 27.01.2024. The Project site falls under a moderate hazard zone. As per the Cluster Certificate dated 02/07/2024 there is another quarry owned by Sri. K.N. Balakrishnan for an area of 0.9997 Ha. The Periyar Wildlife sanctuary is located at a distance of 8.75km from the proposed site. The life of mine

is 5 years. The project cost is 150 Lakhs. The PP submitted CCR from MoEF&CC dated 15.05.2024. On detailed verification the Committee found the following documents are lacking in the application.

1. Integrated Regional EMP as per the guideline published on the SEIAA website.
2. Pre-Feasibility Report
3. Non-assignment Certificate from the Village Officer.
4. Original Mining Plan.
5. Certified Survey Map
6. Compensatory afforestation plan.
7. Proof of application submitted for Wildlife Clearance.
8. Proposal for re-grassing.
9. Depth to the water table in the nearest dug well with geo-tagged photograph of the well site

The Committee noted that the essential documents required for appraisal, such as PFR and Original mining plan are not submitted. **In the circumstance, the Committee decided to recommend rejection of the proposal as it is not possible to appraise the project in the absence of essential documents.**

Item No.02 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Mohammed Iqbal.N for an area of 0.8516 Ha at Block no: 001 Re-Survey Nos.210/1A-164, 210/1A-166 in Irimbilayam Village, Tirur Taluk, Malappuram. (SIA/KL/MIN/490224/2024)

As invited, the Project Proponent Sri. Mohammed Iqbal. N and the RQP Sri. VK Roy were present. The RQP made the presentation. There are 4 sheds present within the site and the nearest habitation reported is at a distance of 66.2m. As per the application, the quantity proposed for mining is 1,17,095 MT. The life of mine proposed is 2 years. The depth to water table is 10m bgl at 84m AMSL. The Project cost is Rs. 29,49,280/-. As per the Cluster Certificate dated 08.07.2024, there is no authorized quarry in operation within 500m radius. The medium hazard zone is located at a distance of 14.2 km from the proposed site. The depth of mining proposed is 5.50m bgl. As per the presentation, there are 4 quarries within 500m radius.

1. Laterite Quarry of Sri.Jabir for an area of 0.6880 Ha (SIA/KL/MIN/433361/2023)
2. Laterite Quarry of Sri. Jabir for an area of 0.1942 Ha (SIA/KL/MIN/433449/2023)
3. Laterite Quarry of Sri.Hussain for an area of 0.1862 Ha (SIA/KL/MIN/433198/2023)
4. Laterite Quarry of Sri. Mohammed Faizal for an area of 0.1942 Ha (SIA/KL/MIN/433026/2023)

In these circumstances, the Committee decided to direct the PP to submit following additional documents.

1. Comprehensive/Regional EMP considering the impact of all the mines within 500m radius as per guidelines published on the SEIAA website.
2. Compensatory afforestation plan with geotagged photographs of the proposed area, preferably in public places, in consultation with Social Forestry division of Forest Department.

Item No.03 **Environmental Clearance for the Expansion of the existing Hospital project to be developed by M/s The Lifeline Multi Speciality Hospital at Re-Sy. Nos. 201/1, 201/10, 201/10-2, 201/11, 201/1-1, 201/11-2, 201/16, 201/17, 201/21, 201/2, 201/23, 201/24, 201/25, 201/27, 201/7, 206/18, 208/15-2, 201/28, 200/8-1, 200/8-2, 208/5-1, 208/7, 208/4-4, 200/21, 208/5, 200/8, 208/4, 200/13, 200/7, 201/6-1, 201/9, 201/9-2, 201/2-1, 201/2-1, 207/7-2, 208/4-2, 208/4-3, 209/7, 200/19, 208/10, 201/29-1, 201/15, 201/6-2, 208/14, 208/15-2, 201/10-3, 201/8, 206/13, in Peringanadu Village, Pallickal Grama Panchayat, Adoor Taluk, Pathanamthitta. (SIA/KL/INFRA2/496346/2024)**

The Committee examined the expansion application and discussed it in detail. As per the application, the plot area reported is 2.7457 ha. (27,457 sq.m). The total built up area is 29,346.44 sq.m comprising 1,5011.11 sq.m. existing and 14,335.33 sq.m. proposed for expansion. The buildings constructed before 14.09.2006 is 2,339.74 sq.m. The soil to be excavated is about 17,605 cu.m. The excavated topsoil will be used for landscaping work (435 cu.m.), backfilling work (307 cu.m.), and internal road construction work (6,978 cu.m.). The excess excavated earth (9,884 cu.m.) will be used for construction of approach road for Maramon Bridge, Kozhenchery located at about 20 km. from the project site. As per the contour plan, there is topographical level difference of about 67 m. from north west (168 lvl.) to south direction (101 lvl.) within the site. The proposed construction of new building of max. floors will be of B + Gr. + 4 floor. The project cost is Rs. 104.72 Crores. After full occupancy, the daily water requirement for the project is expected to be about 347 KL (fresh water req. 158 KLD + recycled water 189 KLD). **Based on discussion, the Committee decided to invite the Proponent for a presentation along with CER proposal as per the guidelines uploaded in the SEIAA website and demand notice of the end-user of excess soil excavated. The PPT shall be uploaded to the Parivesh portal.**

Item No.04 **Environmental Clearance for the Residential cum Commercial Building Construction Project of M/s Sanferrero Premium Living LLP, having 119 Apartments, 1 Villa, 4 semidetached row houses, Commercial area, Restaurant / Foodcourt (80 seats), Conference Hall (122 seats), Club house & Scuba with supporting infrastructure facilities 2.6597 ha. (26,597 sqm) and with total built-up area of 58,312 sqm at Sy. Nos.222/4, 222/5, 222/6, 223/1, 223/2, 223/4-1, 223/4-2, 223/5, 223/7, 223/7-1, 224/2, 221/4-1, 223/5-1, 223/4, 223/3, 223/3-1, 223/4-8, 224/3, 224/9-1, 224/4-1, in Akalakunnam Village & Grama Panchayat, Kottayam Taluk & District. (SIA/KL/INFRA2/497569/2024)**

The Committee examined the expansion application and discussed it in detail. As per the application, the total plot area is 2.6597 ha. (26,597 sqm). The total built-up area is 58,312 sqm. The FAR is @1.40. The Proposed project consists of 119 Apartments, 1 Villa, 4 semidetached row houses, Commercial area, Restaurant / Foodcourt (80 seats), Conference

Hall (122 seats), Club house and Scuba with supporting infrastructure facilities. The quantity of soil to be excavated is given by 10,495 cu.m. There is an existing abandoned quarry pond which will be retained as part of the proposed development of the site. The construction site will be isolated from the existing water body (pond) through protection wall with appropriate height all around the water body. The excavated topsoil (1,560 cu.m.) will be used for landscaping work. The excavated earth used for backfilling work will be 5,615 cu.m. and internal road construction work will be 3,320 cu.m. within the site. Ordinary Earth (O.E.) with a total quantity of 3,140 cu.m. will be sourced for internal road construction, building levelling & landscape purposes from external mine site (Aruvikkuzhi ward) located within 10 kms from the site. The basement floors will be provided with effective water proofing measures to prevent seepage. There is no construction below the ground water table, all excavated soil / earth will be consumed within the site. **Based on discussion, the Committee decided to invite the Proponent for a presentation. The PPT shall be uploaded to the Parivesh portal.**

Item No.05 **Environmental Clearance for the Granite Building Stone Quarry Project of M/s. Therani Rocks Private Limited, Director, Sri. Mathew C Samuel for an area of 0.9855 Ha at Block No.38, Re-Survey 34/1, 34/2, 34/2-2, 34/5-1, 35/3, 35/6, 35/7, 35/8 & 35/19 in Anavoor Village, Neyyatinkara Taluk, Thiruvananthapuram District. (SIA/KL/MIN/494660/2024)**

The Committee examined the application and discussed it in detail. As per the application, the mineable reserve proposed is 1,86,982 MT for a mine life of 2 years. The elevation of the area varies between 116m AMSL to 147m AMSL. A total quantity of 7200 MT top soil is to be removed from the proposed site during mining. The project cost is 2.77 Crore. The nearest building is located at a distance of 131.6 m from the proposed site. As per the Cluster Certificate dated 31.07.2024, there are 3 other quarries within 500m radius with area of 0.7324 Ha (Delta), 1.9235 Ha and 1.8271 Ha altogether having area greater than 5Ha. The closure status of the adjacent mines is not mentioned in the cluster certificate. **Based on discussion the Committee decided to direct the PP to submit the following additional documents.**

1. Clarification regarding the Cluster condition from the Mining & Geology Department regarding the approval of mine closure plan or closure status of the mine.
2. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.
3. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19-04- 2024.

Item No.06 **Reappraisal of EC issued by DEIAA Palakkad, for the Granite Building Stone Quarry Project of Sri. K T Haridas for an area of 4.2426 Ha at Re survey nos: 456/2 & 455/3 in Lakkidi Perur I Village, Ottapalam Taluk, Palakkad District. (SIA/KL/MIN/458618/2024)**

The Committee examined the application and discussed it in detail. The application is for reappraisal of the EC issued by DEIAA, Palakkad vide EC No. DIA/KL/PL/32/2017 dated 05.03.2018 for a period of 5 years. The mine lease for the proposed project was granted vide letter dated 11.08.2022, the life of mine as per the approved mining plan is 21 years for a mineable reserve of 26,52,825 MT. The balance mineable reserve reported is 26,04,725 MT. The lease deed dated 29.08.2022 ends on 28.08.2032 (10 years). The PP submitted CCR from MoEF&CC dated 07.10.2024. The life of mine proposed is 5 years. **Based on the discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Recent Cluster Certificate.
2. Proposal of re-grassing the mining area and any other area which may have been disturbed due to the mining activities.
3. Scheme of mining and Certificate form Mining and Geology Department regarding the resource so far extracted and the balance quantity.
4. Depth to water table in the nearest dug well along with geo-tagged photograph of the well site.
5. Site specific EMP prepared by a NABET accredited agency with proper budget allocation.
6. Revised CER as per the guidelines uploaded on the SEIAA web site.
7. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.
8. NOC from Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 & 4655 of 2024 dated 19-04- 2024.

Item No.07 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Binoy Augustine for an area off 0.6540 ha at Block No.32, Re-Sy No. 295/4 in Alakode Vill., Thodupuzha Taluk, Idukki. (SIA/KL/MIN/493450/2024)**

The Committee examined the application and discussed it in detail. As per the application, the mineable reserve is 1,10,075 MT for a mine life of 2 years. The elevation of the area varies between 99m AMSL to 108m AMSL. The depth to water table is 12 m bgl at 80m AMSL. The nearest built structure is located at a distance of 53.2 m from the proposed area. As per the Cluster Certificate dated 10.07.2024, there is a working quarry of Sri. Shiju Thomas for an area of 4.3049 Ha within 500m radius and the total area comes 4.9589 Ha. As per the form-1, the project cost is given by Rs. 128.67 Lakhs. **Based on discussion, the Committee decided to invite the Proponent for a presentation. The PPT shall be uploaded to the Parivesh portal and shall also address the following shortcomings.**

1. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used.
2. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19-04- 2024.

Item No.08 **Environmental Clearance for the removal of Ordinary Clay Project of Sri. Ummer for an area of 0.7884 Ha at Survey No: 854/2C3-9 in Kurumbalangod Village, Nilambur Taluk, Malappuram. (SIA/KL/MIN/493933/2024)**

The Project Proponent was invited for a presentation vide e-mail dated 02.12.2024. However, the Project Proponent vide letter dated 07.12.2024 requested to defer the presentation since he is out of station on the scheduled date. The Committee verified the proposal and discussed it in detail. As per the application, the mineable reserve reported is 55,188 MT for a mine life of 1 year. The project cost is Rs.35 Lakhs. The elevation of the proposed area varies between 59m AMSL to 61m AMSL. The depth to water table is 6m below ground level. **Based on discussion, the Committee decided to give one more chance for presentation of the Proposal and the PPT shall be uploaded to the Parivesh portal.**

Item No.09 **Application for Reappraisal of EC issued by DEIAA, Kozhikode for the Granite Building Stone Quarry of Sri. Habeebu Rahiman P.M for an area of 3.1083 Ha. at Re-Sy No. 67(pt) in Kakkad Village, Kozhikode Taluk, Kozhikode. (SIA/KL/MIN/445784/2023)**

The Committee verified the proposal and discussed it in detail. As per the cluster certificate dated 16.10.2023 the following 5 quarries are found in operation within 500m radius.

1. Granite Quarry of Sri. Kunhali Marakkar VM for an area of 0.9993 Ha.
2. Granite Quarry of Sri. CP Muhammed for an area of 1.7549 Ha.
3. Granite Quarry of Sri. MA Abid for an area of 1.8016 Ha.

Thus, there is cluster condition. Therefore, EIA study and public consultation is necessary as per the notification. **Hence, the Committee decided to recommended the rejection of the proposal and direct the PP to submit application for ToR for EIA study.**

Item No.10 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Amal Jose, for an area of 0.0971 Ha at Sy No. 448/1A in Thayannur Village, Vellarikkund Taluk, Kasaragod. (SIA/KL/MIN/458398/2024)**

As invited the Project Proponent Sri. Amal Jose and the RQP A. Mahammad Kunhi were present. The RQP made the presentation. As per the application, the target production is 6,122MT for a mine life of 1 year. The project cost is Rs. 10 lakhs. The elevation of the area varies between 159m AMSL to 161m AMSL. As per the Cluster Certificate dated 11.10.2023, there is no working quarries in operation within 500m radius. The depth to water

table is given by 7m below ground level at 160m AMSL. The high hazard zone is located at 3.2 Km away from Project Area. The nearest house is located at a distance of 88m from the project boundary. **Based on discussion, the Committee decided to recommend EC for 1 year subject to the following specific conditions in addition to the general conditions.**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area.
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC and maintained during the rest of the EC period.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm)

Item No.11 Environmental Clearance for the proposed Residential project to be developed by M/s Kalyan Developers at Sy. Nos. 134/4, 137/1, 138/1, 138/4, 138/5, 138/6, 3169 in Thrissur Village, Thrissur Municipal Corporation, Thrissur Taluk & District (SIA/KL/INFRA2/482367/2024)

The Committee examined the application and discussed it in detail. As per the application, the total plot area is given as 0.6090 ha. (6,090 sqm). The total built-up area proposed is 35,078.22 sq.m with 98 apartments. The FAR is 24,299 sqm. (@3.99). The total quantity of ordinary earth excavation proposed is 3,539 cu.m. The excavated topsoil will be used for landscaping (150 cu.m.), backfilling work (3,289 cu.m) and internal road construction work will be 100 cu.m. within the site. The excavation of soil is minimal since there is no

construction of basement floor. The topography of the site is flat in nature with +1 m. level difference within the site which will be used during the development of the site. The floors proposed for construction of building will be of Gr. floor + 50 floors. The parking proposed at the Ground floor, First floor and Second floor for 235 Cars + 165 two wheelers. The level of the site varies between 101.491 lvl. (SE) and 99.148 lvl. (NE). **Based on discussion, the Committee decided to invite the Proponent for a presentation along with CER proposal as per the guidelines uploaded in the SEIAA website. The PPT shall be uploaded to the Parivesh portal.**

Item No.12 Environmental Clearance for the Granite Building Stone Quarry Project of Shri. Shinoy Paul, Managing Partner, M/s. Manna Granites for an area of 1.9201 Ha at Sy No: 879/2-9, 879/2-10, 879/2-11, 879/2-12, 881/1-1-2, 881/1-1-3, 881/1-1-4 & 881/1-3-2 in Memuri Village, Muvattupuzha Taluk, Ernakulam. (SIA/KL/MIN/492202/2024)

The Committee examined the application and discussed it in detail. As per the application, the total mineable reserve proposed is 512826.65 Tonnes for a mine life of 5 years. The elevation of the proposed area varies between 84m AMSL to 54m AMSL with a slope of 7 to 20 degrees. The top soil thickness varies between 0 to 2m. The project cost is Rs.983.2 Lakhs. As per the cluster certificate dated 07-08-2024, there is an abandoned quarry pits covering an area of 2.7600 Ha. Hence altogether the area comes less than 5Ha. **Based on discussion, the Committee decided to invite the Proponent for a presentation. The PPT shall be uploaded to the Parivesh portal and shall also address the following shortcomings.**

1. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.
2. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19-04- 2024.
3. CER as per the guidelines uploaded in the SEIAA website.
4. Clarification regarding the depth of mining considering the depth to water table.

Item No.13 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Omana P for an area of 0.9800 Ha at Block No.30, Re Sy. No. 149/2, 150/3, 150/6 at Kilimanoor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District. (SIA/KL/MIN/491573/2024)

The Committee examined the application and discussed it in detail. As per the application, the total mineable reserve proposed is 1,98,350 MT for a mine life of 3 years. There are several built structures within 100m radius, and the nearest building is located at a distance of 55.3m. A Nagarkavu is located at a distance of 52m from the site, and a temple is at 77.3m. The depth to water table is recorded as 7m below ground level at 77m AMSL. The elevation of the area varies between 125m AMSL and 90m AMSL. The project cost is 99.08 Lakhs.

Based on discussion, the Committee decided to invite the Proponent for a presentation. The PPT shall be uploaded to the Parivesh portal and shall also address the following shortcomings.

1. Legible survey map showing all the built structures within a 200m radius.
2. Site Specific EMP prepared by a NABET accredited agency.
3. Plan for developing protection boundary wall connecting BP4, BP5 and BP6.
4. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.
5. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19-04- 2024.

Item No.14 Reappraisal of EC issued by DEIAA Palakkad, for the Granite Building Stone Quarry Project of M/s Crescent Granite Products, Managing Partner, Shoukatali P for an area of 0.7097 Ha at Re Sy. No. 434/1, 434/2, 437/3 & 437/4 in Lakkidi Perur 1 Village, Ottappalam Taluk, Palakkad District. (SIA/KL/MIN/470842/2024)

The Committee verified the proposal and discussed it in detail. As per the cluster certificate dated 31.01.2024 the following working quarries are found within 500m radius.

1. Granite Quarry of Sri. KT Haridas for an area of 4.2426 Ha.
2. Granite Quarry of Sri. Sukumaran for an area of 0.6259 Ha.

Considering the working quarries within 500m radius, the area altogether is more than 5Ha indicating cluster condition. Therefore, EIA study and public consultation is necessary as per the notification. **Hence, the Committee decided to recommended the rejection of the proposal and direct the PP to submit application for ToR for EIA study.**

Item No.15 Environmental Clearance for the Granite Building Stone Quarry Project of Shri. P.J Jose for an area of 2.7057 Ha at 492/4/1, 574/1A/9/9/19, 574/1A/9/9/20, 574/1A/11/11/6 in Pindimana Village, Kothamangalam Taluk, Ernakulam. (SIA/KL/MIN/502028/2024)

The Committee examined the application and discussed it in detail. As per the application, the mineable reserve proposed is 10,05,448 MT with a mine life of 5 years. The project cost is 4,16,91,920/-. The ToR for conducting EIA study was approved vide letter No. SIA/KL/MIN/436975/2023, 2327/EC3/2023/SEIAA dated 09.11.2023. The PP submitted the Proof of application submitted for wildlife Clearance vide Proposal No. FP/KL/QRY/6192/2022 since Thattekkadu Bird Sanctuary is located within 10km radius. As per the approved Mining Plan, the elevation of the area varies between 120 m AMSL to 74.73 m AMSL. The nearest habitation is at 215 m way from the project boundary. The minutes of public hearing conducted on 06.08.2024 is also obtained. **Based on discussion, the Committee decided to invite the Proponent for a presentation. The PPT shall be uploaded to the Parivesh portal and shall also address the following shortcomings.**

1. Depth to water table in the nearest dug well along with geo-tagged photograph of the well site.
2. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024.

Item No.16 **Environmental Clearance issued to Sri.K.Mohammed Akbar, M/s. Ooragam Metals Ltd for an area of 6.4863 at Sy. Nos. 34/2 Pt., 30/2/2 Pt., 20/7 Pt., 30/2/3 and 20/1 Pt. in Oorakam Panchayath and Village, Tirurangadi Taluk, Malappuram – Modification of EC – Refer back from 149th SEIAA. (Old File No.120/SEIAA/KL/2186/2015) (New proposal No. SIA/KL/MIN/489347/2024)**

The Committee noted the decision of the 149th SEIAA meeting and also considered the representation submitted by the project proponent vide letter dated 30.11.2024. On verification, the Committee observed that a legal opinion is desirable on the decision of the SEIAA. Hence, it is decided to request the SEIAA to arrange to provide legal opinion in this regard.

Item No.17 **Reappraisal of EC issued by DEIAA for the Granite Building Stone Quarry mining project of A Muhammed Basheer, for an area of 2.1504 Ha at Block No.22, Re- Sy No. 91/3, 91/2-2, 91/2-1, 91/2-3, 91/2 in Pullampara Village, Nedumangadu Taluk, Thiruvananthapuram District. (SIA/KL/MIN/464591/2024)**

The Committee examined the proposal and discussed the field inspection report conducted on 29.09.2024. The EC from the DEIAA was issued for a period of 5 years vide EC No. 37/18 dated 16.11.2018. The lease deed was executed for a period of 10 years from 23.01.2019 to 22.01.2029. As per the approved mining plan dated 04.06.2018 the mine life reported is 10 years. As per the scheme of mining, the remaining quantity proposed for mining is 7,53,695.25 MT. As per the Hon'ble High Court order in WP(C) No.32110 of 2023 there is a direction to the District Geologist to issue transit pass. The elevation of the area varies between 96m AMSL to 129m AMSL. The project cost is 2.50 crores. The Committee noted that a Complaint is received by the SEIAA on 04.12.2024 from the residents of Pullampara signed by 154 people. The Secretary, Pullampara Grama Panchayath vide his letter dated 30.11.2024 addressed the District Geologist regarding the illegality of mining from the site under consideration. The Committee noted that the complaint is forwarded to the District Collector dated 29.03.2023. The complainants submitted that the quarrying activities impact adversely the biodiversity of the region, and will result in landslides incidence and could potentially lead to migration of the local residents. The numerous houses in the valley area sustained damage and developed cracks as a result of the quarrying activities. A landslide that occurred on 15th October 2023 completely destroyed two houses. **Based on detailed discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application**

1. Certified Compliance Report from the IRO, MoEF & CC, Bangalore
2. Precautions proposed for safe operation of crusher situated within 29.10 m.
3. Details of proposed side protection measures for the topsoil dumped within the project area
4. Proposed topsoil and overburden storage area with location details.
5. Details of buffer zone proposed, especially at the top portion of the proposed quarrying area.
6. Details of compensatory afforestation proposed, preferably in public places, along with geocoordinate of location and other details.
7. Detailed drainage plan considering that there is steep slope and also along with details of garland drain, silt traps, siltation tank, outflow drainage and connectivity to the nearest natural drain.
8. Response to the Complaint raised by the residents of the area (The SEIAA Secretariat shall provide the copy of the complaints to the Proponent).
9. Documents that are not submitted as per OM dated 28.4.2023 for the reappraisal of DEIAA-issued EC.
10. Response to non-Compliance of EC conditions as per CCR.

Item No.18 **Environmental Clearance for the Granite Building Stone Quarry of Shri. S. Raveendran, Managing Director, M/s. Raveendra Rock Products Private Limited at Re-Sy Block No: 27, Re-Sy. Nos: 132/2, 132/2-1, 132/2-2, 132/2-3, 137/1-2, 137/2, 137/3, 137/4, 137/5, 137/6, 137/7, 137/8, 137/8-1, 137/9, 137/10, 137/11, 137/12-1, 137/12-2, 138/3, 138/4, 138/5, 138/6, 138/7-2, 138/8, 139/2, 139/2- 2, 139/3, 139/4, 139/5, 139/6, 139/7, 139/7-1, 139/10 & 139/11 in Ezhumattoor Village, Mallappally Taluk, Pathanamthitta (SIA/KL/MIN/479878/2024)**

The Committee examined the proposal and discussed the Field Inspection report conducted on 09.11.2024. The ToR for the proposed project was approved vide letter no. SIA/KL/MIN/422416/2023, 2240/EC1/2023/SEIAA dated 17.06.2023. The project cost is 918.20 Lakhs. The minable reserve proposed is 14,83,915.70 Tonnes for mine life of 7 years. The thickness of over burden ranges from 0 to 2.2m. A quantity of 9548.00 m³ Ordinary Earth is to be removed from the site. The elevation of the area varies between 95m AMSL to 155m AMSL. The nearest habitation is located at distance of 110m from the project boundary. The Public Hearing for the Proposed Project was held on 21.03.2024 at St. Marthomma church, Mallappally. The depth to water table is 5m bgl as per the hydrology map provided. **During the discussion, the Committee noted the following salient aspects in the field.**

1. An abandoned quarry is located near the proposed quarry.
2. An old quarry is situated within the proposed site.
3. As per the mine plan benches are shown at the A-A' section and B-B' section. The observations indicate that there may not be adequate space existing to carry out mining as proposed in the mine plan and also the mineable reserve estimated may not be existing for mining. The vertical cutting is very steep and deep as can

be seen in the google earth image and the buffer zones at these sections are breached.

4. Present lowest depth at B-B' section may be 5m below lowest elevation (90m msl)
5. CER for Govt. Higher Secondary School, Ezhumattoor for providing (i) Smart Class room (Rs.3.3 lakh), (ii) Provision for providing electronic items (Rs.1.55 lakh); (iii) Renovation Interlock Tiling, Entrance Wall Renovation, Gate and School Entrance Arch (Rs. 2 Lakh) and maintenance (Rs. 0.5 lakh) Total Rs. 7.35 lakh.
6. CER for Community Health Center, Ezhumattoor - Utility Van (Rs.15.2 Lakh) & Maintenance (Rs. 4lakh) Total Rs. 19.2 lakhs.
7. CER for Ezhumattoor Grama Panchayat for Renovation of Road (Rs. 4 lakh), Installation of Solar LED Street Light(Rs. 4.5 lakh) and Maintenance Rs. 0,5 lakh. Total Rs. 9 lakhs.
8. CCR obtained, however is not found uploaded.

The Committee also noted the following shortcomings in the EIA report for which clarification is required and EIA Report need modification.

1. ToR – 19 clarification on the statement made by the consulting agency mentioning about the Aravalli ranges.
2. ToR 30: mention that the lowest elevation is 78.6m amsl, however, the mine plan and contour shows that it is 95m amsl. Clarification required
3. ToR 31: Most of the buffer zones are found breached (from 2013 itself – as per google earth image) or haulage road is constructed along the buffer area, hence it may not be possible to carry out green belt as proposed in the report. Clarification as to how the buffer zone required can be provided and green belt developed.
4. Air quality monitoring – (a) Not mentioned about the instrument used for the sampling, analytical method and equipment used (b) the photographs provided shown that the air sampling equipment is kept on ground instead of keeping on 1 or 1.5m height which is the standard practice.
5. No sampling location map for soil, water, air, noise is given
6. Compensatory afforestation: Proposed site given in the EIA report is different than the site shown during FIR.
7. The separate site for dumping of top soil is not given

The Committee also noted the requirement of clarifications regarding the additional ToR

1. The vibration studies to evaluate the zone of influence and impact of blasting on the neighborhood as suggested in para (e) of OM No Z 11013/57/2014IA. II (M) is not found conducted.
2. The impact of vibration due to blasting on all the built structures within a distance of 500m from the project boundary is not found assessed.

Based on discussion, the Committee decided to direct the Proponent to submit the following Clarification/additional documents for further appraisal of the application

- a) **Modified EIA report considering the following:**
- Vibration studies to evaluate the zone of influence and impact of blasting on the neighborhood as suggested in para (e) of OM No Z 11013/57/2014IA. II (M)
 - Impact of vibration due to blasting on all the built structures within a distance of 500m from the project boundary
 - Clarification with respect to the ToR – 19 where the consulting agency mentioned about the Aravalli ranges.
 - Clarification on ToR 30 where the report mention that the lowest elevation is 78.6m amsl, whereas the mine plan and contour shows that it is 95m amsl.
 - ToR 31: Most of the buffer zones are found breached (from 2013 itself – as per google earth image) or haulage road is constructed along the buffer area, hence it may not be possible to carry out green belt as proposed in the report. Clarification as to how the buffer zone required can be provided and green belt developed.
 - Air quality monitoring – (a) Not mentioned about the instrument used for the sampling, analytical method and equipment used (b) the photographs provided shown that the air sampling equipment is kept on ground instead of keeping on 1 or 1.5m height which is standard practice.
 - Sampling location map for soil, water, air, noise has to given in the report
 - Clarification regarding the Compensatory afforestation as the proposed site given in the EIA report is different from the site shown during FIR.
 - Details of separate dumping site for top soil
 - Clarification required for the variation in the mine plan different from the actual field situation as the mine plan shows the benches along the A-A' section and B-B' section and the observations indicate that there may not be adequate space to provide the number of benches envisaged in the mine plan in the given space. Also, the mineable reserve estimated may not be true to the field level situation. The vertical cutting is very steep and deep as can be seen in the google earth image and the buffer zones at these sections are breached.
 - The vertical cutting can be seen in the google earth image. The buffer zones at these sections were breached well before the EC. Clarification required for the variation in mine plan and actual condition
- b) Revised mineable reserve and extraction plan as the details provided in the mine plan is not true to the field condition considering the buffer zone, vertical cutting of the existing pit, width of the area and depth of the existing pit.
- c) Detailed response to the non-compliance and partial compliance to the earlier EC conditions as given in the CCR
- d) Response to the written complaints filed and objections raised during the public consultation. The public consultation was attended by 169 people in which 50 people responded and 17 people made complaints.

- e) Compensatory Afforestation plan with geo-tagged photograph of the proposed public site, species details proposed to be planted preferably in a public place.
- f) Drainage Plan showing connection to natural stream
- g) Detailed plan for Rainwater harvesting and its utilization
- h) Detailed plan for generation of solar energy
- i) Certified Compliance Report from MoEF&CC regional centre.
- j) NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024.

Item No.19 **ToR application for the proposed Granite/Building Stone Quarry of Sri. JOY K S, M/s. Payyanamon Granites Private Limited, for an aat Survey no.- 56/36, 56/37, 56/38, 56/39, 63/2 of Koodal, Village, Konni Taluk, Pathanamthitta District of Kerala State for Lease area of 0.9948 ha.(SIA/KL/MIN/498730/2024)**

The Committee examined the ToR application and discussed it in detail. The maximum production is given as 1,25,000 MT and the total production is 2,06,578 MT. The life of mine is 2 years. The proposed area for Mining is 0.9948 ha and the cluster as a whole is having a total area of 18.4057 ha. The Cluster Certificate dated 06.09.2024 states that 2 working quarries are situated within a 500m radius. The elevation of the area varies between 166m AMSL and 134m AMSL. **Based on discussion, the Committee decided to recommend Standard ToR under Category 1 (a) Mining of Minerals with the following additional studies.**

1. Comprehensive regional EMP considering all the quarries within the cluster
2. Impact of the two nearby abandoned quarries including the possibility of breach and mitigation measures
3. Traffic management considering the carrying capacity of roads proposed to be used

Item No.20 **ToR application for the proposed Granite/Building Stone Quarry of Mr. Sajeew. S for an area of 4.1792 ha at Block No. 8 at Re-Survey numbers 302/152, 302/1/157, 302/1/158, 302/1/161, 302/1/159, 302/1/46/378, 302/1/46, 302/1/46/330/384, 302/1/46/330 Vilakkudy Village, Pathanapuram Taluk, District Kollam.(SIA/KL/MIN/503519/2024)**

The Committee examined the ToR application and discussed it in detail. As per the Mining plan, the mineable reserve is 20,80,415 MT and the mine life proposed is 12 years. As per the Cluster certificate dated 19.10.2023, there is one working quarry and 2 non-working quarries within 500m radius. The high hazard zone is located at a distance of 11.0 km from the project boundary and the medium hazard zone is at a distance of 4.65km. As per the mining plan approved on 18.10.2023, the project cost is 4.71 Crore. The nearest building is located at a distance of 80.2m from the proposed site. The depth to water table is give as 7m below ground level at 117m AMSL. The elevation of the area varies between 175m AMSL to 120m

AMSL. **Based on discussion, the Committee decided to recommend Standard ToR under Category 1 (a) Mining of Minerals with the following additional studies.**

1. Comprehensive regional EMP considering all the quarries within the cluster
2. Impact of the nearby abandoned quarries including the possibility of breach and mitigation measures
3. Traffic management considering the carrying capacity of roads proposed to be used
4. Protection measures required as there are houses in the close vicinity of northern and southern part of the proposed site

Item No.21 **ToR application for the proposed Granite Building Stone Quarry Mr. PM Abdul Shukkoor, M/s. PMR Granites India Pvt. Ltd. for an extent of 2.7298 Ha Block No.27, Re -Survey Nos. 208/1-5,208/1-1,208/1-2,208/1,208/1-3,209/1-2 of Urangattiri Village of Ernad Taluk, Malappuram District of Kerala (SIA/KL/MIN/501906/2024)**

The Committee examined the ToR application and discussed it in detail. As per the PFR the project cost is 2.50 crore. The minable reserve proposed is 10,08,440 MT for a mine life of 6 years. The elevation of the area varies between 98 m above MSL to 65 m above MSL. The high hazard zone is found at a distance of 96m from the proposed site. The moderate hazard zone is located at 69m from the project boundary. As per the cluster certificate dated 29.09.2024, indicates 2 authorised granite quarry viz. M/s PMR Granites india Pvt Ltd (5.5373 Ha.) and Al Jouf Granite Metals (1.6942 H) found within 500m radius. **Based on discussion, the Committee decided to recommend Standard ToR under Category 1 (a) Mining of Minerals with the following additional studies.**

1. Comprehensive regional EMP considering all the quarries within the cluster
2. Traffic management considering the carrying capacity of roads proposed to be used
3. Protection measures required as there are houses and a road in the close vicinity of western part of the proposed site

Item No.22 **ToR application for the proposed Granite Building Stone Quarry Sri. Nazar for an area of 2.4464 Ha at survey No. 173/4-13-2 (Part), 173/4-10 (Part), 173/4-11 (Part), 173/4-12 (Part), 173/4-13 (Part), 173/4-14(Part), 173/4-15(Part) Chadayamangalam Village, Kottarakkara Taluk, Kollam District.(SIA/KL/MIN/500070/2024)**

The Committee examined the ToR application and discussed it in detail. As per the application, the project cost is given as Rs 87,74,000/-. The mine life proposed is 10 Years and the mineable reserve reported is 11,47,175 MT. The highest elevation of the lease area is 117m above MSL and the lowest elevation is 72 m above MSL. The Cluster Certificate dated 16.08.2024 indicates a working quarry of M/s NAT industries within 500m radius. The medium hazard zone is located at a distance of 15.1km from the proposed site. **Based on discussion, the Committee decided to recommend Standard ToR under Category 1 (a) Mining of Minerals with the following additional studies.**

1. Comprehensive regional EMP considering all the quarries within the cluster

2. Traffic management considering the carrying capacity of roads proposed to be used
3. Detailed impact of the vegetation proposed to be removed and the mitigation measures proposed

Item No.23 Environmental Clearance application for manual dredging at Azhikkal Port limits for maintaining navigational channel depth and filtration of dredged sand Kadavus in Azhikode North village, Azhikode, Kannur (Proposal No. SIA/KL/INFRA1/501237/2024)

The Committee examined the application and discussed it in detail. The ToR for the manual dredging at Azhikkal Port for maintaining navigational channel depth and filtration of dredged sand project was approved on 19.07.2024 vide proposal No. SIA/KL/INFRA1/460508/2024. The dredging is proposed in 12 Kadavus located in Azhikode, Azhikode-North, Valapattanam Pappinissery and Mattool panchayats in Kannur Taluk, Kannur district. All the Kadavus are located along the river bank and are falling within the hazard zone as mapped by Survey of India. About 140.1 KL construction grade water is required for the Sand Filtration Unit at each site from approved sources. No water requirement exists for dredging and filtration process. However, 81 KLD water would be required for drinking purpose of the workers. 15HP pump will be used for pumping of slurry. The project cost is Rs.50.0 Crores. **Based on discussion, the Committee decided to invite the Proponent for a presentation. The PPT shall be uploaded to the Parivesh portal.**

Item No.24 Reappraisal of EC issued by DEIAA Kollam, for the Granite Building Stone Quarry of Sri. L. Saiju, Managing Partner, M/S. Akkavila Sajeenan Aggregates for an area of 2.6491 Ha at Survey Nos. 474/4, 474/16, 474/17, 474/5, 474/18, 474/6, 474/21, 474/20, 474/7, 474/24, 474/10, 476/8, 476/7, 476/6, 476/4, 475/23, 475/24, 475/9-1, 476/17, 474/19 & 476/20 in Veliyam Village, Kottarakkara Taluk, Kollam District. – Judgement dated 23.05.2024 in WP (C) No. 17919 of 2024. (SIA/KL/MIN/477635/2024)

The Committee examined the proposal and discussed the Field Inspection report conducted on 16.11.2024. As per the scheme of mining the minable reserve available is 4,16,850 MT. The life of mine is 3 years. The project cost is 250 lakhs. The elevation of the area varies between 100 to 145 m AMSL. The Committee also noted a Complaint forwarded by Shaji MS vide e-mail dated 19.11.2024 filed by Sri. Sasidharan Nair (dated 09.10.2024) along with the representation of District Collector dated 12.09.2024 against the proposed quarry. As per the letter of district collector based on the Report of Executive Engineer PWD, states that the house of Sri. Sasidharan Nair is at a distance of 40.5m (age of the building is almost 25 year) and house of Venugopal is at 17m distance from the project boundary. The letter concludes that the observed cracks and detachment of tiles are not attributable to the quarrying activities. However, the Complainant contends that the quarrying has adversely affected their residence, resulting in the formation of cracks. **After detailed discussion, the Committee noted the following salient aspects in the field.**

- 1) Order of the Hon'ble High Court in WP(C) 17919/2024 dated 23.5.2024 directing the District Collector to upload the application and SEIAA to consider the application within one month of uploading the document.
- 2) As per the demand notice dated 15.12.2023 from the Mining and geology department, a quantity of 10,94,478 MT of granite building stone was mined beyond the buffer zone including the permit area. The illegal mining is reported for a quantity of 5,74,986.69 MT and imposed a fine of Rs 3,55,84,675/- by the Mining and Geology department.
- 3) As per the CCR dated 23.08.2024 which the current working depth is observed as 105m MSL and as per the EC, the depth of mining is to be limited to 90m AMSL. As per the cross section in the Scheme of mining, the section the C-C' & D-D' indicates that the elevation is at 75-65m above MSL. Therefore, there seems to be mismatch.
- 4) The Survey Map issued by the Village Officer does not have the details required including the built structures including houses within 200m and distance to the built structures.
- 5) The EMP is not found site specific
- 6) Regrassing proposal is not found satisfactory

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

1. Clarification regarding the environmental damage caused due to the mining of a quantity of 10,94,478 MT beyond the buffer zone including the permit area and the illegal mining reported for a quantity of 5,74,986.69 MT.
2. Explanation for the non-compliances of the conditions stipulated in the EC issued by the DEIAA, Kollam dated 24.9.2018
3. Proposal for correcting the non-provision of benches.
4. Plan for avoiding risk due to mining conducted without providing benches of adequate width and height.
5. Proposal for correcting the non-provision of green belt.
6. Clarification regarding the depth of mining (As per the CCR dated 23.08.2024 which the current working depth is observed as 105m MSL and as per the EC, the depth of mining is to be limited to 90m AMSL. As per the cross section in the Scheme of mining, the section the C-C' & D-D' indicates that the elevation is at 75-65m above MSL).
7. Revised Survey Map issued by the Village Officer with details of built structures including houses within 200m and distance to the built structures.
8. Revised EMP by NABET accredited agency prepared considering the site specific characteristics.
9. Revised Regrassing proposal
10. Detailed drainage plan incorporating garland drain, silt traps, settling pond and outflow connectivity to natural drain
11. Plan for Overburden (OB) dumping and its protection
12. Details of rainwater harvesting provisions
13. Source of water and its yield characteristics

14. Details of sanitation and waste management arrangements
15. Details of Energy Conservation Measures proposed.
16. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04-2024.
17. Response to the Complaint forwarded by Shaji MS vide e-mail dated 19.11.2024 filed by Sri. Sasidharan Nair against the proposed quarry.

Item No.25 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Philip Tom, for an area of 3.9353 Ha at Re- Sy No. 684(Un Survey), 681/3(Un Survey), 681/2(Un Survey) in Thiruvambady Village, Thamarassery Taluk, Kozhikode. (SIA/KL/MIN/467823/2024)

The Committee examined the proposal and discussed the Field Inspection report conducted on 05.10.2024. The total minable reserve reported is 21,95,773 MT for a mine life of 12 years. The elevation of the proposed area varies between 155 m AMSL to 90 m AMSL. As per the Cluster Certificate dated 24.03.2024, there are no working quarries within 500m of the proposed site. Two buildings owned by the proponent are located within 50m of the proposed site. The depth to water table is given as 7 m below ground level at 57AMSL.

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

1. Plan for maintaining stipulated buffer distance of 50m between the project boundary and the nearby buildings.
2. Detailed plan for haulage road as the existing road is inadequate.
3. Revised Environment Management Plan prepared by a NABET accredited agency, incorporating site specific mitigation measures and adequate budgetary provisions for the life of mine.
4. Details of sustainable source of water for quarry operations along with yield characteristics
5. Connectivity of the drainage from the project site to a seasonal channel is given. Specify whether the connectivity is through the land holdings under the ownership of others. If so, a consent for the same.
6. Revised plan for compensatory afforestation, preferably in public places along with the geo-coordinates of the proposed site and geo-tagged photographs of the site as the site proposed in the application is already vegetated. The proposal should compensate for the 605 trees removed from the site.
7. Revised legible survey map indicating all the built structures within 200m distance from the project site as the one submitted is not legible
8. Detailed map showing location of OB dump and top soil storage
9. Soil profile including depth along and across the project site.
10. Details of Energy Conservation Measures at the project site
11. Revised project cost and appropriate modification in EMP and CER activities.

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

Item No.26 **Environmental Clearance for Building Stone Quarry Project of Sri. Ajay Sundaresh, Managing Partner, M/s Darshan Granites, for an area of 7.8705 Ha at Re-Sy Block No. 18, Re.Sy Nos. 13/2, 13/3, 18/2, 18/3, 40/1-1, 40/1-2, 40/4, 40/4-2, 40/6, 41/1-1, 41/1-2, 41/2, 41/3, 41/4, 41/5 (Patta land - 6.1918 Ha.), 18/1, 41/6 (Govt. land - 1.6787 Ha), in Chakkuvarakkal Village, Kottarakkara Taluk, Kollam. (SIA/KL/MIN/469843/2024)**

The Committee examined the proposal and discussed the Field Inspection report conducted on 16.11.2024. The Committee noted that the mine life and mineable reserve given in mine plan and EIA report are different. The proponent has submitted the corrected EIA report as part of ADS. The elevation of the site varies from 120m to 200m above MSL and the ultimate mine depth is 125m above MSL. **Based on discussion, the Committee decided to direct the Proponent to submit the following Clarification/additional documents for further appraisal of the application**

1. Compensatory Afforestation plan, preferably in public places, with geo-tagged photograph of the proposed public site, species details proposed to be planted.
2. Drainage Plan showing connection to natural stream.
3. Proposal for proper siltation tanks considering the slope of the terrain shall be given at both sides.
4. Detailed plan for Rainwater harvesting and its utilisation.
5. Detailed plan for generation of solar energy.
6. Plan for haulage road development.
7. Detailed risk assessment and mitigation measures as the northern and southern boundary of the proposed site is located on steep slope.
8. Protection plan to avoid accident, if any, while mining from the area adjacent to the boundary connecting the boundary pillars P40-P41-P42-P43.
9. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19-04- 2024.
10. Clarification for the following ToR Noncompliance
 - ToR 11 – details regarding the OB dump, its area, protection
 - ToR 22- The mineralogical composition of PM10, particularly for free silica
 - ToR 23- Details of Air quality modeling
 - ToR 26 - Description of water conservation measures proposed to be adopted in the Project. Details of rain water harvesting proposed in the Project, if any.
 - ToR 27- Safe guard measures provide are not enough as the region is steep especially at the lower areas.

ToR 30 - Information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and BGL. A schematic diagram may also be provided for the same.

ToR 33 - Details of the onsite shelter and facilities to be provided to the mine workers

ToR 34 - Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections)

ToR 42 -A Disaster Management Plan shall be prepared and included in the EIA/EMP Report

11. Impact and mitigation measures are given in the Chapter -7, however EMP (Chapter 10) is not adequate. It should encompass the water management/ conservation, sanitation and waste management, occupational health, pollution control etc. Not proposed any fixed sprinkling system at the site. Site specific EMP with modern interventions in pollution control should be submitted.
12. Valid NOC for the Govt land
13. Non-assignment certificate from the Village Officer
14. Plan for avoiding rock fall from the northern and southern portion of the proposed quarry located on the steep slope areas
15. Plan for protection of micro watersheds originating from the proposed site.

The Committee decided to convene its 176th meeting on 17th of this month online mode and the 177th meeting on 3rd and 4th January 2025 on offline (Physical) mode.

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

Sd/-
Suneel Pamidi, IFS
Member Secretary, SEAC

Sd-
Dr. R. Ajayakumar Varma
Chairman, SEAC

LIST OF PARTICIPANTS:

Sl.No.	Name	09.12.2024	10.12.2024	11.12.2024
1.	Dr. R. Ajayakumar Varma (Chairman)	✓	✓	✓
2.	Sri. S. Sheik Hyder Hussain	✓	✓	✓
3.	Dr. A. Bijukumar.	X	X	X
4.	Dr. A.N. Manoharan	✓	✓	✓
5.	Shri. M. Dileepkumar	X	X	X
6.	Dr. C.C. Harilal	✓	✓	✓
7.	Dr.K.VasudevanPillai	✓	✓	✓
8.	Dr. Mahesh Mohan	✓	✓	X
9.	Dr. K.N. Krishna kumar	✓	✓	X
10.	Sri. V. Gopinathan	✓	✓	✓

11.	Dr. A.V. Raghu	✓	✓	✓
12.	Dr. N. Ajithkumar	✓	✓	✓
13.	Suneel Pamidi (Secretary)	X	X	✓