

MINUTES OF THE 155TH MEETING OF THE SEAC, KERALA HELD FROM 18TH & 19TH DECEMBER, 2023, IN THE CONFERENCE HALL, STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA

The meeting started at 10.00 AM on 18th December 2023. Dr. R. Ajayakumar Varma, Chairman, SEAC Kerala chaired the meeting. The Committee discussed the following agenda items in detail and took the following decisions:

PHYSICAL FILES

Item No.155.01 **Noting of the minutes of 154th SEAC meeting held on 02nd December 2023.**

The Committee noted and confirmed the minutes of the 154th meeting of the SEAC with the following correction.

In Part 1 item no 12, regarding M/s Galaxy Rocks, it is corrected that ‘the nearest hazard zone is Low Hazard Zone which is 1.07 km from the project site, instead of the statement ‘the project area is in moderate hazard zone’.

Item No.155.02 **Environmental Clearance for the Granite Building stone Quarry Project of Sri. Pushparajan T, at Re-Survey Nos. 209/2 in Tripangottur Village, Thalassery Taluk, Kannur (File No. 3194/EC4/SEIAA/2022)**

Decision: As per the decision of the 151st SEAC meeting, the proponent was invited for a presentation, and by prior intimation, the project proponent was absent. **Hence the Committee decided to defer the proposal.**

Item No.155.03 **Approval of District Survey Report (DSR) of Thrissur, Palakkad, Kollam Districts for Sand Mining (File No: 3162/A1/2021/SEIAA)**

Decision: As invited, Dr. Ansari, Scientist G (Rtd) & EIA Co-ordinator, Er. Sravanth Tangellamudi, Scientist and Sri.Saurav Sakkare, Scientist representing the CSIR-National Institute of Interdisciplinary Science and Technology (NIIST) and Dr.Shaji.J & Dr. Ajay Suresh,

GIS Specialist, Institute of Land & Disaster Management and Sri.R.C.Arun, Range Forest Officer, Kulathupuzha attended the presentation of District Survey Report (DSR) for sand mining or river-bed mining from the rivers draining in Thrissur, Palakkad & Kollam District. The Committee noted that the report is prepared in compliance to the EIA Notification and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020. **The Committee discussed various aspects of the report and decided to entrust Dr.Vasudevan Pillai, Sri.Sheik Hyder Hussain and Dr. R. Ajayakumar Varma to evaluate the DSR of Palakkad, Thrissur and Kollam district respectively and submit specific comments.**

Item No.155.04 Application for Environmental Clearance for the proposed building stone quarry project in Survey No. Q 02/1065 pt in Melmuri Village, Ernad Taluk, Malappuram District, Kerala by Mr.Musthafa Palakkan – Submission of EMP in compliance with the EC condition (File No. 1265/EC2/2019/SEIAA)

Decision: The Committee directed the project proponent to revise the EMP incorporating the environmental mitigation measures for all the environmental impacts due to the project activities of each of the projects within the cluster and common and combined project activities of all the projects within the cluster, action plan for implementation of the mitigation measures, integrated implementation plan and responsibility mapping of the implementation plan. The Project proponent submitted the revised EMP and the Committee discussed the EMP submitted. Based on discussions, the Committee **decided to invite the proponent for presenting the various aspects of Environment Management Plan in compliance to the direction of SEAC.**

Item No.155.05 Environmental Clearance for the Proposed Group Housing Project, GREEN VISTAS – “PRAKRITI” at Re-survey No.359/3, of Kakkanad village, Thrikkakara Municipality, Kanayanur Taluk, Ernakulam District, Kerala by Mr. Saurabh Gulechha, Chief Operating Officer, M/s Green Vistas Infrastructure Projects. (File No. 1189 (A)/EC2/2018/SEIAA)

Decision: The Committee verified the proposal and noted the following important observations.

1. There is difference in the total built-up area as per the application for EC (75886 sq.m) and that approved by Thrikkakara Municipality as per Building Permit issued to the proponent (61517 sq.m). The proponent has not submitted clarification for the same.
2. According to the proponent, the flats in Block 1 and Block 2 have been sold out and the buyers are occupying these flats. It was also reported that some of the flats in Block III also has been occupied even though the Municipality has not issued any occupancy certificate for Block III. Since the flat value is realised by the builder in instalments, the builder is likely to have taken advances for flats in Blocks 3 and 4. The ToR for the EIA Study (approved by the EAC at the national level) clearly mentions that the study should, inter alia, make an assessment of economic benefits derived by the proponent due to violation. This aspect was not included in the EIA report.
3. Land development of fifth block is also started. During field visit, it is noticed that the proponent continued the construction activities even after filing application for EC and after receiving the letter from the MoEF granting approval of ToR. In the 103rd meeting of the SEIAA held on 24th & 25th February 2020, the Authority decided to issue Stop memo and initiate violation proceedings quoting the reasons.
4. In the 105th meeting of the SEIAA, the Authority decided that EC cannot be issued unless the violation procedures are completed as intimated to the proponent already both by MoEF & CC and SEAC during the course of appraisal. The Project Proponent should submit all required details to the satisfaction of SEAC to complete the Appraisal under violation category on priority.
5. The EIA report submitted by the proponent in August 2018, prepared by M/s Environmental Engineers & Consultants Pvt. Ltd., considered the violation as a single project and not for Blocks for 3 and 4. In response to the direction of SEIAA to revise damage assessment, remediation plan and natural and community resource augmentation plan provided in the EIA report, the proponent submitted a document prepared by M/s Ultra Tech Environmental Consultancy and Laboratory. In this document, the environmental damage and penalty assessed earlier is brought down drastically after revision.
6. The penalty has to be assessed at the rate of 1% of the project cost instead of 0.5% proposed by the proponent. As pointed out in the minutes of the 134th SEAC, the total

area already constructed has not been considered in assessing the penalty. Only the construction of Block 3 and Block 4 is considered for assessing the penalty. The economic returns of these two blocks is only considered for assessing the penalty. Further, instead of 0.25% of the turnover, the proponent assessed the penalty at the rate of 0.125% only. The proponent has submitted the turnover for Block 3 (Rs 2753.99 lacs) and Block 4 (Rs 531.73 lacs) but has not submitted the same for Blocks 1 and 2.

Now the Committee perused the reply received from the project proponent along with the report received from KSREC and the NOC/permit issued from the Thrikkakara Municipality for the building project. The Committee is unable to proceed further with the file due to the requirement of the following clarifications;

1. Clarification regarding the difference in built-up area in the application and in the NOC/ Building Permit from the Thrikkakara municipality.
2. The KSREC reported that there was construction as on 11.12.2006, three months after the EIA Notification. So, the Committee is unable to decide whether the construction was initiated prior to or after the EIA Notification dated 14.9.2006 and whether the violation is to be assessed for the entire project or for the 3rd, 4th & 5th building as claimed by the project proponent.
3. The SEAC in its previous minutes decided that the violation has been notified by the SEAC first and therefore, 1% of the project cost has to be considered while assessing penalty whereas the project proponent is agreeable to only 0.5% of the project cost. Therefore, the Committee desires to get a decision from SEIAA as to the status of identification of violation.
4. There is repeated reluctance from the project proponent for providing details/documents sought for, mainly regarding the inclusion of the building 1 & 2 and about the % of the penalty. It is desirable to initiate prosecution if this attitude continues from the project proponent.

Therefore, based on detailed discussions, the Committee decided to request SEIAA to hear the proponent and provide a clear direction whether to undertake the violation proceedings

for the 3rd, 4th & 5th block or for the entire project and also whether to consider the claim of proponent that he has reported the violation prior to notifying the violation by the SEAC.

Item No.155.06 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Pradeep. N. S, Managing Partner, M/s. K L Granites at Re-Survey Block. No:35, Re-Survey. Nos. 368/3, 368/4, 374/3 (Patta Land) & 369/1 (Government land) in Pulimath Village, Chirayinkeezhu Taluk, Thiruvananthapuram – Rejection proceedings issued order dated 09.02.2021 - Judgment dated 02.09.2022 in WP(C) No. 13746 of 2021 (SIA/KL/MIN/43756/2019, 1454/EC1/2019/SEIAA)**

Decision: The Committee verified the documents submitted by the project proponent as sought in the 150th meeting and observed that the following additional documents sought are either not submitted or not satisfactory.

1. Clarification on having two mining plans for the proposed area, whether both the mining plans are approved by the Mining & Geology Department and reasons for the statement of the Proponent that one mining plan is wrong
2. Affidavit stating that he will comply with the condition stipulated in the GO (P) No. 59/2015/Trans dt. 29.9.2015 that goods vehicle having loading capacity of more than 10 tons is prohibited in roads with width less than 8m

The Committee also observed that a discussion on the safeguards proposed by the Proponent is desirable. Therefore, the Committee **decided to invite the proponent for a presentation.**

Item No.155.07 **Environmental Clearance for the Granite Building Stone Quarry project at Sy.No. 1244/1 (pt) at Killanur Village, Thrissur Taluk, Thrissur District by Sri. Dineshmon N.T, M/s. Rudra Granites – Judgment dated 26.03.2021 in WP(C) No.8023 of 2021 - Revalidation of EC (File No.823/SEIAA/EC1/2977/2015) – reg :-**

Decision: The Committee discussed the field inspection report conducted on 28.02.2023 and observed that as per the letter dated.25.02.2023 received from the District Collector, Thrissur, there was illegal mining from the buffer zone and the proponent was penalized for the same. The project proponent has not submitted the CCR from the Integrated Regional Office, Bangalore. It is also not clear whether the Department of Mining & Geology/or any agency has

assessed the environmental damage due to over/illegal extraction. In these circumstances, SEAC is unable to proceed further with revalidation and decided to intimate the same to the SEIAA.

Item No.155.08 **Environmental Clearance issued for the Granite Building Stone Quarry of Sri. C. Krishna Pillai for an area of 0.9705 Ha at Block No - 27, Re-Survey Nos. 283/1pt, 283/2pt, 283/4, 296/3pt in Ezhumattoor Village, Mallapally Taluk, Pathanamthitta – Complaint received from Smt.Usha Mohan
SIA/KL/MIN/165625/2020, 1440/EC1/2019/SEIAA**

Decision: The project proponent has taken corrective measures and conducted vibration study. As per the study there is no vibration beyond 75 m and the vibration is less than 5mm/s. It is observed that the reason for the complaint is due to the non-compliance of EC conditions in the initial stages. Now the project proponent has done corrective measures. In this circumstance, **the Committee decided to recommend revoking the stop memo as per the reports and photographs submitted by the project proponent subject to the adoption of the following additional measures;**

1. Place a temporary wall of 5m height along the boundary facing the nearby houses.
2. Periodic de-siltation of the drainage channel and the silt traps
3. Enhancing the capacity of the garland drain if required

Item No.155.09 **Common judgment dated 11.12.2019 in WP (C) No.5589/2019, WP (C) No.9656/19 and WP (C) No.25439/2019 filed by Sri.Unnikrishnan.K.P and the President,Vaniyamkulam Grama Panchayat against M/s JMC Granites, Palakkad-Constitution of Joint Committee for monitoring the status of compliance (File No.4429/A2/2019/SEIAA)**

Decision: The Committee examined the hearing notes submitted by the project proponent. The Committee observed that the period of Environmental Clearance will be expired on 27/04/2024 as per the OM of the MoEF & CC dated 28.07.2023. The Committee heard the project proponent on 18.10.2023 who informed that the combined inspection and field level blasting test proved that there is no impact due to mining in that area. Regarding the ownership of a small portion of land in the project area, there is a Court case, which is continuing. **As directed by SEIAA, the Committee decided to hear Sri. Sreedharan, the complainant in the**

next meeting. The Committee decided to direct SEIAA Secretariat to inform the complainant well in advance without fail.

Item No.155.10 **Application for Environmental Clearance for the proposed expansion of existing building construction project of Sri.Sivabhadran.K, Power of Attorney Holder of Mr.Faisal Edavalath Kottikollon in Sy.No.162/1, 162/2 in Chelambra Village, Kondotty Taluk, Malappuram District – Change in CER activities**
SIA/KL/MIS/271560/2022, 1991/EC6/2022/SEIAA

Decision: The Committee noted the decision of SEIAA and find no reason to revise the earlier CER approved by the SEAC after field inspections and series of deliberations in its various meetings as per the existing norms of EIA Notification, 2006. **Therefore, the Committee is unable to accept the change in CER activities already recommended by the SEAC and approved by the SEIAA and incorporated in the EC.**

Item No.155.11 **Environmental Clearance to M/s Darshan Granites for Building Stone Quarry Project, for an area of 7.8705 ha in Re-Survey Block No. 18, Re-Survey 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.), at Chakkuvarakkal Village, Kottarakkara Taluk, Kollam. (SIA/KL/MIN/410787/2022, 2196/EC2/2023/SEIAA)**

Decision: As directed by the SEIAA, the Committee decided to invite the project proponent for hearing in the next meeting.

Item No.155.12 **Request from Mr.V.Govindankutty to reduce the distance from the forest boundary from 100m to 50 mts – Judgment in WP (C) No. 22549/2022 filed by Divya Metal Industries**
(File No.1062/SEIAA/ 1639/2016)

Decision: The Committee noted the decision of SEIAA in its 134th meeting and also examined the Judgment dated 01.08.2023 in WP (C) No. 22549/2022 filed by M/s Divya Metal Industries, in which Hon'ble High Court directed the respondents (SEIAA & SEAC) to reconsider the condition as to 100 metres imposed on the quarry of the petitioner from the forest land and take appropriate decision thereon, in accordance with law, as expeditiously as possible.

The Committee observed that EC was issued on 10.10.2017 and therefore the validity of EC period expired. **The Committee decided that the matter can be considered if the project proponent apply for extension of EC.**

Item No.155.13 **Environment Clearance for proposed Residential project to be developed by M/s Sobha Developers Pune Ltd. at Survey Nos.128/18-1, 128/20, 128/2-1, 128/3, 128/4-2, Cheruvakkal Village, Thiruvananthapuram Municipal Corporation, Thiruvananthapuram Taluk & District, Kerala**
SIA/KL/INFRA2/410612/2022, 2167/EC1/2022/SEIAA

Decision: The Committee noted the decision of SEIAA and discussed the modification sought by the Proponent vide letter dated 16.10.23 regarding the specific conditions nos. 5,7 & 17 mentioned in the EC order dated 20.09.2023. **Based on discussions, the Committee decided to recommend the following:**

1. Specific condition No. 5 shall be modified as suggested by the Proponent subject to submission of a sworn affidavit along with proof of the leased land.
2. Specific condition No. 7 shall be modified as “Adequate composting facility should be set up for the treatment of the total biodegradable waste generated in the campus”.
3. Specific condition No. 17 shall be modified as “Energy conservation measures and solar power generation should be adopted as stipulated in the Energy Conservation Building Code vide GO(P) No.3/2017/PD dated 11.4.2017 and Guidelines on Green Buildings vide GO(Ms) No.39/2022/LSGD dated 25.2.2022. At least 50% of the roof area shall be provided with roof top solar panels”.

Item No.155.14 **Environmental Clearance for the proposed Granite Building stone Quarry Project in Block No. 22, Survey Nos. 41/1-2 of Vellilapally Village, Meenachil Taluk, Kottayam District by Sri. Alex Augustine, Chokkattu House, Kadanadu P.O., Kottayam (DEIAA, Kottayam)**
File No. 3197/EC3/2022/SEIAA

Decision: The Committee noted the direction of SEIAA in its 134th meeting and observed that the validity of the existing EC will expire on 17.01.2024 after getting the benefit of Covid relaxation. The Committee noted the direction of the SEIAA that “The SEAC shall reappraise the application and recommend according to the merit”. Accordingly, **the Committee decided**

that the application will be appraised as and when the project proponent submit the application for EC as per the OM dated 28.04.2023.

Item No.155.15 **Environmental Clearance for the Building Stone Quarry Project of Sri. Vineeth Joseph Vazathara, Managing Director, M/s Vazhathara Granites and Aggregates Pvt. Ltd., at survey Nos. 21/1, 3, 4 & 5 (p), 25/2 & 3(p), 26, 26/1, 3, 1-1, & 4-1 (p) & 26/4 in Kottickal Village, Kanjirapally Taluk, Kottayam, Kerala – Complaint received (File No.1105/EC/SEIAA/KL/2017)**

Decision: The Committee noted the decision of SEIAA in its 134th meeting including the direction that the “SEAC shall conduct field inspection and report for further action to be taken by SEIAA”. Accordingly, **the Committee decided to entrust Dr. R. Ajayakumar Varma and Dr.Mahesh Mohan for field inspection and report.**

Item No.155.16 **Environmental Clearance issued by DEIAA, Kannur -Judgment dated 24.03.2022 in the WPC No.4249/2022 filed by Sri. Vintu Thomas, Kannur before the Hon’ble High Court of Kerala (File No.3517/EC4/SEIAA/2021)**

Decision: The Committee noted the judgment dated 24.03.2022 of the Hon’ble High Court in the WP(C) No. 4249/2022 directing the District Collector, Kannur, District Geologist, Kannur and the SEIAA to ensure that the conditions in the EC are complied with. The Committee also noted that the Hon’ble High Court vide its order dated 08.11.2022 in WP (C) No. 4249/2022 directed the 6th Respondent (SEIAA) to conduct an inspection in the quarry of the 9th Respondent (Sri. Joseph T.T) and submit a report before the Court within a period of three weeks from the date of receipt of a copy of the order. Accordingly, the SEAC constituted a Sub Committee who inspected the quarry on 21.11.2022, examined the compliance of EC conditions and submitted a report stating that the compliance to the environmental management and safeguard conditions is not satisfactory. There is also over extraction of resource from the buffer zone and beyond the actual boundary of the mine. The Stop Memo and Show Cause Notice to the project proponent was issued on 06.02.2023. The Authority in its 134th meeting directed SEAC to conduct a field visit to ascertain whether the project proponent attended the irregularities and report the compliance status of the project along with definite recommendations.

The Committee understand that the project proponent has not submitted any compliance report. The Committee also noted that the Proponent has also not submitted any report stating that corrective measures have been taken except two letters requesting to cancel the stop memo. In the meantime, the District Collector vide his letter no. DCKNR/844/2022-DM6 dt. 8.11.2022 has requested to nominate a person to the Committee to ensure compliance of EC conditions. **In the circumstance, the Committee decided to seek specific direction from SEIAA, whether a separate inspection by the SEAC is required as the District Collector is planning to conduct inspection as per the direction of the Hon'ble Court. If SEIAA agrees, the Committee decided to nominate Sri.V.Gopinathan as a member in the Committee to be constituted by the DC.**

Item No.155.17 **The report regarding minimum area required for Mining Granite Building Stones in Kerala ensuring Environmental safeguards (File No. 2346/A2/2023/SEIAA)**

Decision: The Committee noted the item.

Item No.155.18 **Rehabilitation of abandoned quarries - Decision of 129th SEIAA
- Seeking expert opinion - reg: - (File No: 2352/A1/2023/SEIAA)**

The Committee discussed the draft report prepared by Dr. K. Vasudena Pillai and Dr. A.N. Manoharan and appreciated the report and efforts taken. During discussions, the members of the Committee suggested that the report should include the potential of using abandoned quarries for placing solar panels, groundwater recharge, watershed development etc. Therefore, **the Committee decided to request the members to provide detailed notes on the above suggestions to the Sub Committee immediately so that they can finalize the draft report and submit to the SEAC for approval.**

Item No.155.19 **General Decision of 134th SEIAA meeting (File No. 3134/A1/2023/SEIAA)**

Decision: The Committee noted the decision of the 134th SEIAA that the SEAC during appraisal of projects request many additional documents and the details of these additional

documents are not available to SEIAA in the new Parivesh Portal. Hence it is desirable that in the minutes of meeting, SEAC should certify that the additional documents requested have been received and they are in order. The Committee observed that the members of the SEAC are also not able to access the additional documents from the website and therefore, the Committee scrutinize the additional documents submitted by the proponent as downloaded and provided by the SEIAA Secretariat. The Committee also observed that in the minutes of the meeting of the SEAC, it is normally stated that the additional documents are examined and found them satisfactory whenever the additional documents are scrutinized. **The Committee decided to comply with the decision of the SEIAA in the matter subject to adequate support from the SEIAA Secretariat.** The Committee also discussed the desirability of addressing briefly the shortcomings observed during the field inspection and suggesting corrective measures in the recommendation part to address this issue. The Committee observed that this is also being done in most of the cases. **The Committee decided to comply with the suggestion of the SEIAA more strictly to improve the quality of field inspection reports.**

PARIVESH FILES

PART – 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 Environmental Clearance for the project “Valley view apartments” submitted by M/s NBCC (I) Ltd at block No. 39, Resurvey No. 93/9 in Ward No.-II, Puthencruz Village, Kunnathunad Taluk, Ernakulam.
(SIA/KL/INFRA2/407333/2022, 1993/EC3/2022/SEIAA)

Decision: The Committee examined and discussed the revised EIA report submitted by the project proponent as sought in the 151st meeting as per the direction of the 131st meeting of the SEIAA. The Proponent submitted the project cost as Rs.8791 Lakh. The penalty as per the OM dated 07.07.2021 i.e. 1 % of the project cost. Therefore, the penalty to be paid by the Proponent is Rs.87.91 Lakh. The cost for remediation of environmental damages is worked out as Rs.34 lakh and the cost for natural and community resource augmentation plan is worked out Rs. 56

lakh. **The Committee decided to approve the revised remediation plan, natural and community resource augmentation plan and the penalty estimated. Based on this, the Committee decided to recommend that the proponent may be directed to submit the bank guarantee for the amount approved for the remediation plan and natural and community resource augmentation plan for Rs. 90 lakh and remit the penalty of Rs. 87.91 lakh. It may be considered whether the penalty can be paid to the Environment Benefit Fund for the restoration of the environment.**

Subject to the submission of Bank guarantee and proof of payment of penalty, the Committee decided to recommend EC for a period of 7 years. The Committee also decided to recommend the following Specific Conditions in addition to the General Conditions.

1. The project proponent shall implement the activities approved as per the Remediation Plan and Natural and Community Resource Augmentation Plan within 3 years.
2. The bank guarantee will be released after the completion of the implementation of remediation plan and natural and community resource augmentation plans and their compliance verification.
3. Adequate built-in composting facility should be set up for the treatment of biodegradable waste within the premises.
4. Adequate and covered storage area should be provided for the storage of nondegradable waste and e-waste generated for at least 30 days. The non-degradable solid waste (dry waste) so stored should be handed over to Recyclers/ Local body/ Vendors on a regular basis.
5. Fruit bearing trees of indigenous species should be planted in the Green Belt area / open space, compensatory afforestation area/ children play area, including avenue plantations.
6. Appropriate storm water drainage plan should be implemented covering the entire project area and considering the soil cover and levels of the project area and adjoining areas.
7. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow.
8. Usage of energy saving 5 star rating equipment such as Solar Geyser and LED lamps should be promoted as part of energy conservation.

9. Dual plumbing system should be established for ensuring the reuse of treated waste water for flushing, gardening and other uses.
10. Climate-responsive and Green Building Guidelines should be adopted and the roof area and covered parking should be covered with material having high solar reflective index.
11. The building design should ensure that it will cater to differently-abled citizens.
12. CER Plan should be implemented as proposed within two years and the systems installed should be maintained on a regular basis. The progress of implementation of CER should be provided in the HYCR.
13. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.
14. Provide safe and healthy basic facilities for construction workers as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996
15. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. 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).
16. Treated water from STP should be reused to the maximum extent and balance if any should be discharged through a series of soak pits for recharging the local ground water, and for avoiding discharge of treated water into the nearby public drain.
17. Vegetation should be grown appropriately on the ground as well as over built structures such as roofs, basements, podiums etc.
18. D.G. set should be provided with adequate stack height and regular maintenance should be carried out before and after the construction phase and would be provided with an acoustic enclosure.
19. Energy conservation measures and solar power generation should be adopted as stipulated in the Energy Conservation Building Code vide GO(P) No.3/2017/PD dated 11.4.2017 and Guidelines on Green Buildings vide GO(Ms) No.39/2022/LSGD dated 25.2.2022. At least 50% of the roof area shall be provided with roof top solar panels

20. The green building criteria notified in the GO (Ms) No. 39/2022/LSGD dated 25.2.2022 should be adopted.

Item No.2 Environmental Clearance for the Residential Project of Sri. Basheer Utteri at Re.Sy.Nos.47/4, (47/48), 49/3, (49/39), 47/40 (47/39), 47/48, (47/55), 49/39, (49/45), in Olavana Village & Panchayth, Kozhikode Taluk, Kozhikode SIA/KL/INFRA2/416727/2023, 2226/EC4/SEIAA/2023

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory including the revised drainage plan. The total built-up area is 29,657.50 sq.m in the plot area 0.5592 ha. with 91 dwelling units, amenities facility and supporting infrastructure facilities. The maximum height of the building is 133.3 m. The project cost is Rs. 116.40 Crores. The Committee heard the presentation in its 146th meeting. The field inspection was conducted on 28.07.2023. Based on discussions, **the Committee decided to recommend EC for a period of 10 years subject to the following Specific Conditions in addition to the General Conditions:**

1. Ground level of the proposed land should be maintained above the drainage line to avoid water logging in the site.
2. The project should implement the storm water management plan as approved by the SEAC for the site as well as for the upstream portion of the site, the latter due to the proposed land filling of the site.
3. 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.
4. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
5. The Project Proponent should make provision for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).

6. Climate-responsive design as per Green Building Guidelines in practice should be adopted
7. Vegetation should be adopted appropriately on the ground as well as over built structure such as roofs, basements, podiums etc.
8. Exposed roof area and covered parking should be covered with material having high solar reflective index
9. Building design should cater to the differently-abled citizens
10. 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
11. Water efficient plumbing features should be adopted
12. Design of the building should be in compliance to Energy Building Code as applicable
13. Energy conservation measures as proposed in the application should be adopted in total
14. Buildings to be constructed should be barricaded with GI sheets of 6 m. (20 feet) height so as to avoid disturbance to other buildings nearby.
15. Construction work should be carried out during day time only.
16. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
17. All vehicles carrying construction materials should be fully covered and protected.
18. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
19. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
20. Occupational health safety measures for the workers should be taken during the construction.
21. All vehicles during the construction phase should carry PUC certificate.
22. D.G. set should be provided with adequate stack height and regular maintenance should be carried out before and after the construction phase and would be provided with an acoustic enclosure.
23. Green belt should be developed along the periphery of the site with indigenous species.

24. The green building criteria notified in the GO (Ms) No. 39/2022/LSGD dated 25.2.2022 should be adopted.

Item No.3 Environmental Clearance for Granite Building Stone Quarry project of Sri. K. K. Balakrishnan Nair, for an area of 0.5297Ha. at survey No.143/1 in Kolathur Village, Kasargod Taluk, Kasargod (SIA/KL/MIN/135414/2020, 1601/EC2/2019/SEIAA)

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The mine plan indicates that the estimated life of mine is 11 years and the total mineable reserve is 50,525MT, thereby the depth of mining will be 57m above AMSL. The depth to water table is 66m above MSL, thereby the mining is not feasible for 11 years due to possible of intersection of water table. In the application, the environmental clearance was sought for life of mine of 5 years, thereby the depth of mine will be 82m above MSL which is above the depth to water table. The nearest built structure is at 200m. The proposal was presented in the 123rd meeting of the SEAC and the field inspection of the site was undertaken. Based on discussions, the Committee decided to recommend EC for the project life of 5 years as the application for EC was 5 years. The Proponent vide his letter dated 29.11.2023 clarified that he is proposing production of 5000 tons per year and the EC for a permit quarry is given only for 5 years and therefore he is applying for 5 years EC only. If the quarrying is limited to 5 years, as per the production proposed in the mining plan, the depth of mining will only be 82m above MSL and will not intersect the water table. Based on the inference from the field inspection and as approved in the mine plan, mining is feasible even though the slope is high in the middle part. In the circumstance, the Committee decided to recommend EC for 5 years subject to the following Specific Conditions in addition to the General Conditions:

1. Submission of the approval of the project life as 5 years by the competent authority as laid down in the OM dated 14.4.2022.
2. Considering the depth to water table, the depth of mining should be limited to 82 m AMSL.
3. Development of green belt should be initiated before the commencement of mining using indigenous species.

4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided before the commencement of mining.
5. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
8. Drainage water should be monitored 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.
9. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
10. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
11. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
12. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
13. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
14. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.

15. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
16. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
17. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR

Item No.4 **Environmental Clearance for the Granite building stone quarry project of Sri. Mohammed Nishad P.P for an area of 1.7283 Ha at Sy No-1012/99, 1012/98, 1012/81 in Melmuri Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/159437/2020 1766/EC6/2020/SEIAA)**

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The total mineable reserve is 530865 MT with average production of 53,000 MT. The life of mine is 10 years. The highest elevation is 350m MSL and lowest is 270 m MSL. The field inspection of the site was conducted and the Committee heard the presentation in its 134th meeting. The 150th meeting of the SEAC held on 7th to 8th September 2023 observed that (i) landslide hazard potential study is not conclusive, (ii) traffic management plan has not considered the vehicular movement to the local tourist destination namely Mini Ooty, the implications of a large number of hair-pin bends and the gradient of the road and (iii) Map of the micro-watershed in which the quarry is located and the distribution of population and built structures in the micro-watershed up to the downstream area. The Committee noted that the Proponent has submitted Landslide Hazard Analysis conducted by the NIT, Calicut which concluded that the demarcated area for mining is found safe in quarrying against failure of slope. The Proponent has also submitted a traffic study report which is also found satisfactory. Regarding the map of the micro-watershed in which the quarry is located and the distribution of population and built structures in the micro-watershed up to the downstream area, the proponent produced a Certificate dated 30.10.2023 that there is no mini watershed in the proposed area of 1.7283 Ha. The Committee has sought the “map of the micro-watershed in which the quarry is located and the distribution of population and built structures in the micro-watershed up to the downstream area” and the certificate submitted does not answer the query. Since the project area falls in the moderate hazard zone, quarrying shall be permitted only after getting the approval of

the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05-2014 as per the “Kerala State Disaster Management Plan, 2016, published under Section 23 (1) of the Disaster Management Act, 2005 (Central Act 53 of 2005)”. **Therefore, the Committee decided to direct the Proponent to submit the following documents.**

- 1. Map of the micro-watershed in which the quarry is located and the distribution of population and built structures in the micro-watershed up to the downstream area.**
- 2. Approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05-2014 as per the “Kerala State Disaster Management Plan, 2016, published under Section 23 (1) of the Disaster Management Act, 2005 (Central Act 53 of 2005)”.**

Item No.5 **Environmental Clearance for Granite Building stone Quarry of Sri. Jacob Barry for an area of 1.600 Ha at Re- survey no. 547 in Melarkode village, Alathur Village, Palakkad, Kerala (SIA/KL/MIN/163190/2020, 1750/EC1/2020/SEIAA)**

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The total mineable reserve is 511740 MT with annual production of 42645.00 MT. The life of mine is 12 years. The highest elevation is 100m MSL and lowest is 85 m MSL. The depth to water table reported is 20m bgl. The total project cost is Rs.1,32,88,000/-. The project site is located 9 km away from the Parambikulam Wild Life Sanctuary. The Proponent has submitted a letter of PCCF (WL) and Chief Wildlife Warden No. KFDHQ/4994/2021/CWW-WL4 dated 17.4.2023 stating that proposal involving mining of minerals outside 1 km from the boundary of PA and ESZ does not come under the purview of State Board of Wildlife. However, the Project proponent has submitted the proof of application to SCNBWL. The Committee heard the presentation in its 124th meeting and the field inspection was conducted on 01.06.2022. **Based on discussions, the Committee decided to recommend EC for the project life of 12 years subject to the following specific conditions in addition to the general conditions:**

- 1. The depth of mining should be limited to 65m above MSL considering the depth to water table.**

2. 'Fish belly' shall be provided at suitable intervals of the road considering that the road leading to the site is narrow.
3. The width of the road and that of the should be regulated as per the specification of Indian Road Congress (IRC).
4. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
8. 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).
9. 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.
10. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
11. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
12. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
13. Adequate sanitation, waste management and rest room facilities should be provided to the workers.

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

Item No.6

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

Decision : The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The mineable reserve is 7095 MT and life of mine is 1 year. The project cost is 5 lakh. The Committee heard the presentation in its 149th meeting. The average thickness of mining proposed is 2m. **Based on discussions, the Committee decided to recommend EC for the project life of 1 year subject to the following specific conditions in addition to the general conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth

during transportation.

7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/labourers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)

Item No.7 Environmental Clearance for the Laterite building stone quarry project of Sri. Charls M. P for an area of 0.1927 Ha at Block No. 24, ReSurvey No. 435/2-3 in Mulanthuruthy village, Kanayannoor Taluk, Ernakulam. (SIA/KL/MIN/261677/2022, 2180/EC3/2023/SEIAA)

Decision : The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The mineable reserve is 19270 MT and life of mine is 1 year. The project cost is 5 lakh. The Committee heard the presentation in its 149th meeting. The average thickness of mining proposed is 4m. Based on discussions, the Committee decided **to recommend EC for the project life of 1 year subject to the following specific conditions in addition to the general conditions:**

1. The excavation activity should not involve blasting.

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

Item No.8 **Environmental Clearance for Laterite building stone quarry of Sri.Sidhique.K.P. of area 0.9713 Ha in Re Sy No-272/2B in Pattithara Village, Pattambi Taluk, Palakkad
(SIA/KL/MIN/270682/2022, 2066/EC1/2022/SEIAA)**

Decision: The Committee verified the additional documents submitted by the project proponent and noted the following;

1. The project cost indicated as per application is Rs.20 lakh and revised project cost submitted 3 lakh which is found incorrect.
2. Details of the CER plan proposed is not submitted

The Committee decided to direct the project proponent to submit the above documents.

Item No.9 Environment Clearance for the Granite Building Stone Quarry project of Sri. E.M. Madhu, for an area of 0.9845 Ha. at Sy. No. 324/1, 318/7, 318/1 in Moonilavu Village, Meenachil Taluk, Kottayam (Hearing Note received) (SIA/KL/MIN/279495/2022; 2115/EC3/2022/SEIAA)

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The Committee also examined the hearing note submitted. The total mineable reserve is 1,47,290MT with annual production of 29458 TPA. The life of mine is 5 years. The nearest built structure is at 52.2m. The Idukki Wildlife Sanctuary is at 12.58 Kms. The project cost is 314.10 Lakh. The highest elevation is 110m above MSL and the lowest elevation is 75 m above MSL. The High Hazard Zone is 440 m and Medium Hazard Zone is 110 m away from the proposed mining area. The Committee heard the presentation in its 151st meeting. The field inspection was carried out on 12.06.2023. Based on discussions, **the Committee decided to recommend EC for the project life of 5 years subject to the following specific conditions in addition to the general conditions:**

1. All the precautionary measures suggested in the revised EMP document should be implemented strictly.
2. A buffer of 80m should be maintained between the stream bank and project boundary (B1 to B4) so as to confine the mining activities away from the steep slope region adjacent to the stream bank.
3. A temporary wall of 5m should be provided to a distance of 50m towards and west and 50m towards southeast of the boundary pillar B2.
4. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining. Extreme care should be taken to ensure uninterrupted drainage.

6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration. Two settling ponds each should be provided near BP-01 & BP-04.
7. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
8. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
9. The quality of the water in upstream and downstream in the nearby stream and the Pre & Post monsoon water quality should be monitored to track any changes or contamination in the water quality.
10. The banks of the stream that falls on the western side of the quarry should be strengthened by plantations and by adopting other bio-conservation measures to avoid soil erosion and landslip.
11. A wall with metal and GI Sheet should be constructed for a length of 124.0mts, 1.0mts of width, height of 3.0m at western part of the quarry.
12. The road to the quarry should be widened as per the affidavit given.
13. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
14. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
15. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
17. Adequate sanitation, waste management and rest room facilities should be provided to the workers.

18. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
19. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
20. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
21. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR

Item No.10 Environmental Clearance for the Granite Building Stone Quarry of Sri. Udayan K for an area of 2.8869 Ha at Block No. 25, Re-Survey Nos: 64/1, 65/3, 65/4, 66/2, 66/2-1 in Enadimangalam Village, Adoor Taluk, Pathanamthitta. SIA/KL/MIN/401892/2022, 2126/EC1/2022/SEIAA

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The total mineable reserve is 874000MT with annual production of 1,50,000 MT for the first five years and 62,000 MTA for the sixth and seventh years. The project cost is Rs. 2 crores. The life of mine is 7 years. The highest and lowest elevations are 180m and 135m respectively. The medium hazard zone is at 8.20Km and High hazard zone is at 17.85Km from the proposed area. The Committee heard the presentation in its 144th meeting. The field inspection was carried out on 23.07.2023. Based on discussions, **the Committee decided to recommend EC for the project life of 7 years subject to the submission of the ownership details of land proposed for compensatory afforestation and the following specific conditions in addition to the general conditions:**

1. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
2. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
3. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle

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

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

Item No.11 Environmental Clearance for Granite Building stone quarry of Sri. Moideen. P for an Extent of 0.7352 Hectares at Survey No. 279/1A2 and 278 in Thirumittacode - I Village, Pattambi Taluk, Palakkad, Kerala (SIA/KL/MIN/408714/2022, 2198/EC1/2023/SEIAA)

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. Part of the project area falls in waterlogged abandoned quarry. The total mineable reserve is 91,513 MT with an annual production of 18,600 MTA. The nearest house is at 74 m. The life of mine is 5 years. The highest elevation is 72 m MSL and the lowest elevation is 52 m MSL. The depth to water table is 9.2m bgl. The Committee heard the presentation in its 151st meeting. Based on discussions, **the Committee decided to recommend EC for the project life of 5 years subject to the following specific conditions in addition to the general conditions:**

1. The depth of mining has to be limited to 45 m above MSL as the depth to water table is 9m below ground level.
2. Temporary wall of height 5m should be provided at the boundary of the site adjacent to the locations where houses are located within 100m.
3. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).

8. Drainage water should be monitored 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.
9. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
10. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
11. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
12. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
13. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
14. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
15. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
16. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
17. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR

Item No.12 **Environmental Clearance for Granite Building Stone quarry of Sri. John Thomson, M/s. Tropical Granites for an area of 2.6262 Ha at Re Survey Nos.649/2, 649/3,651/1, 651/2, 651/3, 651/4, 651/5, 651/6, 652/20 & 652/2, Re survey Block no.12 in Kuthanur1 Village, Alathur Taluk, Palakkad (SIA/KL/MIN/409809/2022, 2177/EC1/2022/SEIAA)**

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The total mineable reserve is 8,84,813 MT with annual production of 88,480 TPA. The life of mine is 10 years. The highest elevation is 135 m MSL and the lowest elevation is 115 m MSL. The depth to water table is 2m to 4m bgl as per the details provided by the Proponent. The distance to the moderate hazard zone is 8.04 Km and to the high

hazard zone is 17.23 km. The Chulanur Peafowl Sanctuary is situated at 6.4 km and the proponent has submitted the proof of application for Wild Life Clearance. The field inspection was carried out on 14.06.2023. The Committee heard the presentation in its 151st meeting. Based on discussions, **the Committee decided to recommend EC for the project life of 10 years subject to the following specific conditions in addition to the general conditions:**

1. The depth of mining should be limited to 115m above MSL instead of 95m above MSL as approved in the mine plan considering the depth to water table.
2. While implementing the CER, action should be taken to remove the silt from the Nellippara Dam prior to its renovation. The de-siltation shall be done periodically.
3. Buffer distance of 50m should be maintained between the crusher and other built structures, if any, and the project boundary
4. Make proper fencing around the abandoned quarry pit nearby.
5. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
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. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
8. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
9. 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).
10. 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.
11. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites

12. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
13. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
14. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
15. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
16. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
17. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR

Item No.13 **Granite building stone quarry project of Shri. N. V. Ashok Kumar, Director, M/s. Nedumon Granites Private Limited for an area of 2.8791 Ha at Re-Sy Block No: 19, Re-Sy. Nos: 687, 693/2, 692/6, 692/1 in Ezhamkulam Village, Adoor Taluk, Pathanamthitta**
SIA/KL/MIN/409918/2022, 2188/EC1/2023/SEIAA

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The total mineable reserve is 7,97,879 MT with annual production of 1,26,918.32 TPA. The life of mine is 9 years. The project cost is 458.15 Lakhs. The highest elevation is 120 m above MSL and the lowest elevation is 90 m above MSL. The depth to water table is reported as 10m bgl. The field inspection was carried out on 23.07.2023. The Committee heard the presentation in its 146th meeting. Based on discussions, **the Committee decided to recommend EC for the project life of 9 years subject to the following specific conditions in addition to the general conditions:**

1. A temporary barrier of 5m height should be constructed between BP-01 & BP-13 to prevent the houses from the dust pollution and various environmental impacts due to quarrying activities.
2. Gabion wall should be constructed around the dump to prevent surface runoff.
3. Garland drains should be constructed all around the dump next to the gabion wall to channelize the run-off water.
4. Plantation should be done along the periphery of the dumps to stabilize it.
5. Coir matting along the slope of the dumps should be paved to avoid erosion of the material.
6. The slope of the dump should be maintained below 32°
7. Bench formation should be done in the dumps. The height of each bench formed should be restricted to 5 meters.
8. Depth of mining should be limited to 80m above MSL considering the depth to water table.
9. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
10. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
11. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
12. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
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. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
16. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
17. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
18. Adequate sanitation, waste management and rest room 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. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
21. 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.
22. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
23. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR

Item No.14 Environmental Clearance for the Laterite building stone quarry of Sri. Abdul Hameed for an area of 0.5301 Ha at Re-Survey Block No.005, Re Survey No.53/1A in Kakkodi Village, Kozhikode Taluk, Kozhikode SIA/KL/MIN/410409/2022, 2229/EC4/SEIAA/2023

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The total mineable reserve is 55660.5 MT with annual production of 18553.5 MT. The project cost is 30 lakh. The life of mine is 3 years. The highest and lowest elevation is 65 m and 60 m MSL. The depth to water table is 48m above MSL and the ultimate mine depth is 54m above MSL. Nearest built structure is at 106m. The Committee heard the presentation in its 149th meeting. Based on discussions, **the Committee decided to recommend EC for the project life of 3 years subject to the following specific conditions in addition to the general conditions:**

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

Item No.15 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Ummer for an area of 0.9766 Ha at Block No.79, Survey No.434/2-6, in Wandoor Village, Nilambur Taluk, Malappuram. (SIA/KL/MIN/416864/2023, 2252/EC6/2023/SEIAA)

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The mineable reserve is 2,89,345 MT. The total project cost is 1.12 Crore. The life of mine is 5 years. The Silent Valley National Park is at 10.93 Km. The high hazard zone is at 8.70km and the moderate hazard zone is at 5.13 km. The nearest built structure is at a distance of 105m. The highest elevation is 70 m MSL and the lowest elevation is 60 m MSL. The depth to water table is 9.8m bgl. The Committee heard the presentation in its 148th meeting. Based on discussions, **the Committee decided to recommend EC for the project life of 4 years subject to the following specific conditions in addition to the general conditions:**

1. The depth of mining should be limited to 50 m above MSL considering the depth to water table.
2. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
3. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
4. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).

7. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
8. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
9. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
10. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
11. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
12. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
13. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
14. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
15. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
16. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR

Item No.16 **Environment Clearance for the Granite Building Stone Quarry project of M/s RDR Crushers Pvt. Ltd., at Block No.48, Re-Survey 404/1, 404/2, 404/2-1, 404/2-6, 404/3, 404/3-2, 404/4, 404/4-2, 404/4-2-2, 415/2, 415/2-2, 415/3, 415/6, 415/6-2, 415/7, 526/1 in Chengalam East Village, Kottayam Taluk, Kottayam (SIA/KL/MIN/417135/2023; 2233/EC3/2023/SEIAA)**

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

Item No.17 Environmental Clearance for the Laterite building stone quarry of Sri. Mohammed Chakkingal, at Re-Survey No.172/3206 in Kodyathoor Village, Kozhikode Taluk, Kozhikode District, Kerala
SIA/KL/MIN/423117/2023, 2282/EC4/2023/SEIAA

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The total mineable reserve is 27870 MT. The project cost is 15 lakh. The life of mine is 2 years. The highest and lowest elevation is 176 m and 162 m MSL. The depth to water table is 4m below ground level. Average depth of mining proposed is 6m. Nearest built structure is more than 100m. The Committee heard the presentation in its 149th meeting. Based on discussions, **the Committee decided to recommend EC for the project life of 2 years subject to the following specific conditions in addition to the general conditions:**

1. Mining to an average depth of 6m is not feasible as the depth to water table is only 4m below ground level. Therefore, mining has to be limited an average depth of 2m.
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 top soil and mine waste should not be stored in the slope area and the storage area should be protected with temporary retaining wall.
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
10. Workers/labourers should be provided with facilities for drinking water and sanitation.
11. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
12. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
13. No water logging should be allowed in the mine pit. Appropriate drainage should be

ensured from the project area prior to the commencement of mining.

14. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
16. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
17. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)

Item No.18 Environmental Clearance for the building stone quarry of Sri. T.O Johnson, Director, M/s.Vysali Resorts Pvt Ltd for an area of 0.7540 Ha at Block No:10, Re.Survey No. 509/11, 509/11-2, 509/12 in Vengoor West Village, Kunnathunad Taluk, Ernakulam (SIA/KL/MIN/425832/2023 2270/EC3/2023/SEIAA)

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The total mineable reserve is 2,18,538 MT with annual production of 109269 TPA. The life of mine is 2 years. The project cost is 80 Lakh. The highest elevation is 78 m and lowest elevation is 48 m above MSL. The nearest built structure is at 59.0 m. The Committee heard the presentation in its 148th meeting. Based on discussions, **the Committee decided to recommend EC for the project life of 2 years subject to the following specific conditions in addition to the general conditions:**

1. The depth of mining should be limited to 40 m above MSL considering the depth to water table.
2. Adequate protection and fencing should be provided for the abandoned pit to avoid accidents.
3. There should be a buffer distance of 50 m should be maintained between project boundary and the reported building.
4. Development of green belt should be initiated prior to the commencement of mining using indigenous species.

5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
8. 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).
9. 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.
10. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
11. CER Plan should be implemented within the first 1 year and it should be operated and maintained till the mine closure plan is implemented.
12. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
13. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
14. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
15. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
16. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.

17. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
18. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR

Item No.19 **Environmental Clearance for the Granite Building Stone Quarry submitted by M/s. Shree Ganesh Crushed Materials & Blocks Pvt. Ltd for an area of 3.1374 Ha at Block No.-09, Re-Survey Nos. 470/2, 470/3-1pt, 470/3- 2pt, 471/1pt, 471/2-1pt, 471/2-2pt, 472/2pt, 473/1pt, 473/2pt, 473/3, 473/3-2pt, 467/2- 6pt, 467/2-7pt, 467/2-8pt, 473/6-2pt, 473/7pt, 473/9 & 473/9-2 in Neduvathoor Village Kottarakkara Taluk, Kollam. (SIA/KL/MIN/428159/2023,2295/EC2/2023/SEIAA)**

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The total mineable reserve is 1432162.5 MT. The life of mine is 10 years. The project cost is 1.90 crore. The highest elevation is 106 m and lowest elevation is 78 m above MSL. The depth to water table is around 12m bgl. An office building is reported at a distance of 34m. The high hazard zone is at 28.3 km and the moderate hazard zone is at 13.3 km. The field inspection was carried out on 23.07.2023. Based on discussions, **the Committee decided to recommend EC for the project life of 10 years subject to the following specific conditions in addition to the general conditions:**

1. The depth of mining should be limited to 65m above MSL considering the depth to water table.
2. A buffer distance of 50m should be maintained between the project boundary and proposed office building.
3. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle

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

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

Item No.20 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Muhammed Naseer Shah T.K at Sy.No.364/2 in Naduvattom Village, Tirur Taluk, Malappuram (SIA/KL/MIN/428211/2023, 2298/EC6/2023/SEIAA)

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The mineable reserve is 10195.5 MT and the proposed project area 0.0971 Ha. The life of mine is 1 year. The project cost is 10 lakh. The nearest building is at 80 m. The highest and lowest elevation is 110 m & 107 m respectively. The depth to water table is 5m bgl. The Committee heard the presentation in its 151st meeting. Based on discussions, **the Committee decided to recommend EC for the project life of 1 year subject to the following specific conditions in addition to the general conditions:**

1. The depth of mining should be limited to 4m bgl considering the depth to water table.
2. The excavation activity should not involve blasting.
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
9. Workers/labourers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
11. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water

- should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
 15. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
 16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)

Item No.21 Environmental Clearance for the Laterite (Building Stone) Quarry of Sri. Sharafudheen EP, for an area of 0.0971 Ha. at Block No. 76, Re-Survey No: 60/106 in Kuttiyeri Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/430898/2023, 2301/EC4/2023/SEIAA)

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The mineable reserve is 8496 MT. The life of mine is 1 year. The project cost is 2.6 Lakh. The Committee heard the presentation in its 151st meeting. Based on discussions, **the Committee decided to recommend EC for the project life of 1 year subject to the following specific conditions in addition to the general conditions:**

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

11. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)

Item No.22 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Haneefa Kottai for an area 0.6889 Ha at Sy.No.204/1-3, 1-12, 1-8, 1-4 in Muthuvallur Village, Kondotty Taluk, Malappuram (SIA/KL/MIN/432891/2023 , 2310/EC6/2023/SEIAA)

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The mineable reserve is 66,306 MT. The life of mine is 3 years. The project cost is 16.32 lakh. The nearest habitation is at 63 m. The depth to water table is 10m bgl and the maximum depth of mining proposed is 7m bgl. The Committee heard the presentation in its 151st meeting. Based on discussions, **the Committee decided to recommend EC for the project life of 3 years subject to the following specific conditions in addition to the general conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The top soil and mine waste should not be stored in the slope area and the storage area should be protected with temporary retaining wall.
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.

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

Item No.23

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Muhammed Ibrahim Palakkan, M/s Rox Silicon Private Limited for an area of 4.5090 Ha at Sy. No .1065 & 1065 pt in Melmuri Village, Malappuram Municipality, Ernad Taluk, Malappuram. (SIA/KL/MIN/46597/2019, 1575/EC3/2019/SEIAA)

Decision: The Committee examined the additional documents submitted by the proponent. Since it requires detailed evaluation, **the Committee decided to entrust Sri. Sheik Hyder Hussain to evaluate the additional documents sought. The Committee also noted that part of the project area falls in moderate hazard zone and the proposal requires clearance from the District Level Crisis Management Committee.**

Item No.24 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Sajeer Moyin for an area of 4.7425 Ha at Survey Number 323/1-3, 323/1-4, 323/1-11 & 323/1-12 in Thiruvalli Village, Nilambur Taluk, Malappuram (SIA/KL/MIN/52716/2020 , 1654/EC6/2020/SEIAA)

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The total mineable reserve is 3537572 MT with annual production of 176878.6 MT. The project cost is Rs. 2.5 crores. The life of mine is 20 years. The highest and lowest elevations are 130 m and 90 m above MSL respectively. The maximum mine depth proposed is 60m above MSL. The depth to water table is 10m bgl. The project life proposed is 20 years. The medium hazard zone is at 7.7 km. The Committee heard the presentation in its 129th meeting. The field inspection was carried out on 03.02.2023. Based on discussions, **the Committee decided to recommend EC for the mine life decided by the competent authority subject to the following specific conditions in addition to the general conditions:**

1. The depth of mining should be limited to 85 m above MSL considering the depth to water table.
2. Considering the isopleth of air quality parameters, temporary wall all around the mine site should be provided as the proposed site is located at a higher elevation compared to the most of the surrounding locations, especially the Temple near BP-10.
3. Since the buffer zone area is characterized dominantly by barren rock or land with sparse soil cover, development of green belt needs special initiatives. Compensatory afforestation shall be done with native species from the first year of the project itself as per the plan submitted
4. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle

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

7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
8. 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).
9. 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.
10. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
11. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
12. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
13. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
14. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
15. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
16. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
17. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
18. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR.

Item No.25 Environmental Clearance for the proposed expansion within the existing Hospital premises (“Ananthapuri Hospital & Research Institute”) by M/s Ananthapuri Hospitals Private Limited by Dr. A. Marthanda Pillai, Chairman & Managing Director at Survey Nos. 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504 in Pettah Village, Thiruvananthapuram Taluk & District, Kerala
SIA/KL/MIS/285493/2022 , 2074/EC1/2022/SEIAA

Decision: The Committee verified the additional documents submitted by the project proponent. It is noted that the project proponent submitted a copy of the receipt of the amount remitted as conversion fee, but the order regarding the permission for conversion of land from ‘Nilam’ to ‘Purayidam’ is not submitted. **Therefore, the Committee decided to defer the item for submission of the order from Revenue Department regarding the conversion.**

Item No.26 Environmental Clearance for the Development of Technocity Technology Park in Veiloor, Pallipuram, Andoorkonam, Melthonnakkal Villages, Thiruvananthapuram Taluk & District., Kerala (SIA/KL/MIS/62018/2020, 1588/EC1/2020/SEIAA)

Decision: The Committee verified the additional documents submitted by the proponent. **The Committee decided to entrust the subcommittee consisting of Er. M.Dileepkumar, Sri.Sheik Hyder Hussain and Dr.A.Bijukumar to evaluate the additional documents and submit specific recommendation. The Committee also noted that the decision of the Committee shall be subject to the final orders of the Court as there are pending cases.**

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

Item No.1 Environmental Clearance for the Building Stone Quarry of M/s.Kayyar Aggregates Pvt Ltd at Survey No.242/3A(pt), 242/3A, 3B, 242/3B(pt), 343/2C, 243/2(pt), in Kayyar Village, Manjeswaram Taluk, Kollam

Decision: The Committee verified the additional documents submitted by the project proponent. The Committee observed that the Environmental Clearance was issue by DEIAA, Kasargod vide EC No. A/11133/17/DEIAA dated 26.04.2017. As per the existing OM dated 28.04.2023 the project proponents having EC obtained from DEIAAs has to obtain fresh EC from the SEIAA. In

this situation the **Committee decided to direct the project proponent to submit fresh application for EC with all documents as per OM dated 28.04.2023.**

PART – 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 **Environmental Clearance for the Development of Outer Ring Road-Northern Ring: Navaikulam to Thekkada, Trivandrum (SIA/KL/INFRA1/437969/2023, 1933/EC1/2023/SEIAA)**

Decision: As invited Sri. Reji Varghese, EIA Co-ordinator, L&T Infrastructure Engineering Limited and Sri. Renji, Administrator, CRDP were present. The EIA Co-Ordinator made the presentation. The project is for the development of Outer Ring Road (Northern ring) which begins at Navaikulam and ends at Thekkada, Thiruvananthapuram. The public hearing was conducted on 13th April 2023. It is presented by the EIA co-ordinator that during public hearing the earlier alignment and the revised alignment were presented. The project is covering a length of 29.800 km. The total project cost as per the application is Rs.2,82,561/-. **The Committee decided to direct the project proponent to submit the following additional documents;**

1. Details of the environmentally sensitive spots such as wetlands, sacredgroves, natural regions with rare and endemic species etc along and adjacent to the project area and assess the impacts and mitigation measures
2. 6500 plant saplings are proposed to be planted by the Forest Department with the financial support from the proponent. Submit clarification whether the Forest Department has agreed to the proposal and if so, submit the consent of the Forest Department along with detailed plan and proposed locations.
3. Provide the details of trees and location that can be relocated
4. The environmental status of the locations from where the materials for construction is proposed to be extracted and transported and impacts thereupon.
5. Plan for storing topsoil which can be used in the later stage of the construction.
6. Detailed plan for management of construction & demolition waste.

7. Detailed muck disposal plan including the quantity to be disposed, details disposal procedures, disposal site location and the distance from the project site and plan for environmental safeguard of the site
8. Details of parking location required for breakdown vehicles in addition to the staggered bus bays at 2km interval.
9. Submit the details of street lighting
10. Plan for Energy conservation during the operational phase. Instead of individual solar street lights, it is desirable to have solar power stations at suitable places for street lighting and other energy requirements.
11. Provide details of additional land acquisition is there any that will be needed to relocate the 11 KV line currently passing through the area
12. Plan for rain water harvesting and its utilization
13. Details of monitoring wells during construction and operational phases.
14. Adequacy of drainage capacity especially in the valley floor regions
15. Provide the details/plan of the stormwater drainage and its interconnection with the natural drain of the locality along with predicted impacts and mitigation measures.
16. Assess impact of the drainage diversion proposed in the project and its management measures.
17. Justification report of the provision for under passages and provide details of additional under/over passages required considering the concentration of population at certain specific spots and their essential requirements on the other side of the proposed road.
18. Clarification whether the designing and frequency of under/over passages is done based on IRC guidelines, if any and if so, details.
19. Impact of air pollution taking into consideration the diffusion effect from the air pollution hot spots in the adjacent urban core.
20. Detailed plan proposed for mitigation of air pollution and enhanced noise levels including the details of avenue plants and vegetation.
21. Conduct slope stability study, wherever required as per the terrain conditions, and suggest feasible management measures.
22. Details of avenue trees and its proposed nurturing and management measures
23. Permission for the reclamation of paddy fields, if required and other wetlands.

24. Clarification regarding the non-submission of R&R plan prior to EC

The Committee noted that a complaint has been received from Vizhinjam-Navayikulam outer ring road, Puthusserimukku Action Council. **The Committee also decided to seek response from the project proponent on complaint received and the measures to be adopted to resolve the issue. The SEIAA Secretariat shall provide a copy of the complaint to the project proponent.**

Item No.2 Environmental Clearance for the Granite Building Stone Quarry of Sri. Ramakrishnan. C, Managing Director, M/s Thiruvambadi Rocks Private Limited, for an area of 0.9800 Ha at Un Survey area, in Thiruvambady Village, Thamarassery Taluk, Kozhikode
SIA/KL/MIN/129967/2019, 1861(A)/EC4/2019/SEIAA

Decision : As invited the authorized person of the project proponent, Sri. Abdul Rasheed and the RQP, Sri. A. Mahammad Kunhi were present. The RQP made the presentation. The total mineable reserve is 280070 MT with annual production of 56,000 MT. The life of mine as per the mine plan is 5 years. The highest elevation of the site is 130 m and the lowest elevation is 100 m. The maximum depth of mining proposed is 85m above MSL. The Malabar Wild Life Sanctuary is at 15.76 Km. The high hazard zone is at 3.94 km and the moderate hazard zone is at 2.23 km. The nearest house is at 101.6 m. The depth to water table is reported as 80m above MSL. The field inspection was conducted on 05.06.2022. The landslide susceptibility study carried out for the site did not indicate any hazard potential. However the site falls on the mid-slope region of a hill with elevation varying from 70m to 220m above MSL and there are drainage lines along the slope. In the circumstance, it is undesirable to develop deep mine pits and consequent huge storage of water on the slope. **Based on discussions, the Committee decided to recommend EC for the life of mine approved by the competent authority subject to the following Specific Conditions in addition to the General Conditions:**

1. The depth to mining should be limited to 100m above MSL so as to minimize the depth of mining and storage of water.
2. The seasonal channel at the eastern boundary of the project area should be protected and maintained well and drainage without any hindrance should be ensured.
3. Seasonal flow through the first order stream should be redirected through the garland

canal and connected to natural drainage at the lower reach.

4. A buffer distance of 30 m should be provided between the stream and mine boundary
5. Compensatory afforestation should be commenced from the first year itself with indigenous species. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR
6. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
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. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
9. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
10. 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).
11. 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.
12. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
13. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
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 pm).
15. Adequate sanitation, waste management and rest room 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. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
18. 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.
19. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.

Item No.3 Environmental Clearance for the Granite Building Stone Quarry project of Sri. K. Gangadharan, for area of 1.3710 hectares at Re-Survey No. 151/1, 151/4, 1/1 of Puthur Village, Thalassery Taluk, Kannur (SIA/KL/MIN/218355/2021, 2094/EC4/2022/SEIAA)

Decision: As invited the authorized person of the project proponent, Sri. Sabinraj. K & Sri. Joemon, Environmental Engineers & Consultants Pvt. Ltd., were present and Sri. Joemon made the presentation. The total mineable reserve is 325443 MT with annual production of 30,000 MT. The life of mine is 11 years. The highest elevation is 130 m and the lowest elevation is 90 m. The high hazard zone is at 4.70 km and the moderate hazard zone is at 2.03 km. The nearest house is at 316 m. The total project cost is Rs.2 Crore. The field inspection was conducted on 28.07.2023. The depth of mining should be limited to 77 m. **The Committee decided to direct the project proponent to submit the following additional documents;**

1. Recent environmental monitoring data as the baseline environmental data (dated 14.05.2018) submitted is five years old.
2. Detailed CER proposal as per the guidelines uploaded in the SEIAA-Kerala website
3. Plan for the development of access road to the project area.
4. Map showing the OB dump location and protection measures.
5. Detailed drainage plan with garland drain, silt traps, settling pond and connectivity of overland flow to natural drain.
6. Details of sanitation and waste management arrangements.
7. Plan for energy conservation measures.
8. Site specific Environment Management Plan for all the mitigation measures required and

incorporating the CER.

9. Protective measures for the boulders on the south eastern side of the project area.
10. Compensatory afforestation plan with geotagged photograph of the proposed site, ownership details of the land and species details.

Item No.4 Environmental Clearance for the Granite Building Stone quarry project of Sri. Didimose Paul, for an area of 2.1764 Ha. at Block No. 44, Re. survey No. 269/1 & 269/1-1 in Londoore village, Meenachil Taluk, Kottayam [SIA/KL/MIN/221010/2021, 2179/EC3/2023/SEIAA]

Decision: The Committee observed that the project was considered in 141st, 146th, 150th & 153rd meetings of SEAC and the Project Proponent was invited for presentation in 146th, 150th and 155th meeting of SEAC but was absent. The proponent vide email dated 12.12.2023 informed that the validity of the letter of intent is over and hence wish to withdraw the proposal. Besides, in the 141st meeting, the Committee verified the proposal and documents submitted by the proponent and observed the following shortcomings:

1. Land use split up is not submitted
2. The siltation pond seems to be crossing panchayath road and its implication need to be examined.
3. Revised EMP incorporating site-specific mitigation and management measures along with adequate budget provision is required.
4. Revised CER based on need study with appropriate physical targets in consultation with stakeholders as per norms by avoiding purchase plan is required.
5. Recent cluster certificate from the M & G Department is required.
- 6 Plan for Compensatory afforestation along with coordinates of the proposed site and geo-tagged photographs of the proposed site for afforestation and consent from land owner if it is not owned by the proponent or proof of ownership of the land and number of plants and budget provision is required.

The Committee noted that one boundary of the proposed falls in high hazard zone and the site falls in moderate hazard zone. **Based on discussions, the Committee decided to recommend delisting of the application at the risk of the project proponent as he did not attend the**

presentation even though he was invited three times. The decision may be intimated to the Mining and Geology Department, KSPCB, DC Kottayam and the Panchayath Authorities.

Item No.5 **Environmental Clearance for the mining of granite building stone quarry of Sri. Shijo T. Paul for an area of 0.9235 Ha at survey No: 797/1 Apt in Kalloorkad Village, Muvattupuzha Taluk, Ernakulam. (SIA/KL/MIN/255880/2022, 2081/EC3/2022/SEIAA)**

Decision: As invited, the project proponent Sri. Shijo T.Paul and the RQP, Sri. C. Balaraman attended the hearing. As directed by 129th SEIAA, the Committee heard the project proponent. Regarding the road, the project proponent intimated that he will give an affidavit that he will use only 10-ton vehicle for transportation. The width of the road is now 5 m. To reduce dust pollution, the project proponent assured to provide an affidavit for using sprinklers and other dust prevention measures. For arresting fly rocks, blast mats shall be provided and NONEL technology will be followed. The proponent also submitted that recent baseline data will be provided. The OB dump site shall be protected with a concrete wall. The pre-vibration report was also submitted by project proponent. **The Committee directed the project proponent to submit the hearing note within 7 days with all supporting documents.**

Item No.6 **Environmental Clearance for the Proposed Granite Building Stone Quarry Project of Sri. Rajesan. K, Managing Director, M/s Kodancheri Granites and Stones Pvt.Ltd, for an area of 4.3073 Ha at Re-Survey Nos.159/3208, 159/3209, 159/5172, 159/8673, 159/8746, 159/8747, 159/8556, 159/8557, 159/8709, 159/4875, 159/7525, 159/8745 in Nellippoyil Village, Thamarassery Taluk, Kozhikode. SIA/KL/MIN/406104/2022 2173/EC4/SEIAA/2022**

Decision: As per the decision of the 151st SEAC meeting, the project proponent was invited for hearing. The proponent vide email dated 13.12.2023 informed that he was unable to attend the hearing as he was out of station and requested to postpone the hearing to the next meeting. **Hence the Committee decided to defer the proposal.**

Item No.7 **Granite Building Stone Quarry project of Sri. Jose M. K., Managing Partner, M/s. Christuraj Granites, for an area of 0.8189 Ha at Re. Survey No. 35/3,35/3-1,35/3-2 in Thalappulam Village, Meenachil Taluk, Kottayam. SIA/KL/MIN/413729/2023, 2235/EC3/2023/SEIAA**

Decision: As invited, the project proponent Sri.Jose M.K, Managing Partner, M/s. Christuraj Granites and the RQP, Sri. C.Balaraman were present. The RQP made the presentation. The total mineable reserve is 1,77,198 MT with annual production of 44,299 MT. The life of mine is 4 years. The total project cost is Rs.1 Crore. The Idukki Wild Life Sanctuary is at 19.6 km. The highest elevation is 254 m and the lowest elevation is 226 m. The depth to water table is 13m bgl. The high hazard zone is at 1.29 km. The site falls in the middle of a moderate hazard zone and there is requirement of effective hazard mitigation. The nearest structure is at 101 m. The field inspection was conducted on 26.07.2023. The site is located on the summit of an elongated ridge trending NNW and SSE with relative relief of about 150m from the nearest valley as per satellite imagery. **As per GO (Rt) No. 542/14/ID dated 26.5.2012, the Committee decided to direct the project proponent to submit the Certificate from the district level crisis management committee for mining.**

Item No.8 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Manoj M, for an area of 0.1942 Ha.at Re-Survey No. 150/1 in Belur Village, Vellarikund Taluk, Kasargod.
(SIA/KL/MIN/420653/2023, 2349/EC4/2023/SEIAA)

Decision: As invited the authorized person of the project proponent, Sri.Venugopalan.P and the RQP, Sri.A.Mahammad Kunhi were present. The RQP made the presentation incorporating the documents sought vide 152nd SEAC meeting. The total mineable reserve is 9000MT. The life of mine is 1 year. The highest elevation is 138 m and the lowest elevation is 132 m. The nearest house is at 69 m. The depth of water table is 13 m below ground level. The total project cost is Rs.15 lakh. **Based on discussions, the Committee decided to recommend EC for the project life of 1 year subject to the following specific conditions in addition to the general conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.

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

Item No.9

Environmental Clearance for the Granite Building Stone quarry of Sri. Honey Vasanth over an extent of 1.2250 Ha at Block No.- 04, Re-Survey Nos. 162/1pt & 162/2pt in Pattazhy Village, Pathanapuram Taluk, Kollam (SIA/KL/MIN/425701/2023, 2313/EC2/2023/SEIAA)

Decision: As per the decision of the 147th SEAC meeting, the proponent was invited for presentation, but the proponent was absent. The proponent was again invited for presentation during 155th SEAC meeting and he was again absent. The proponent vide email dated 12.12.2023 informed that the proposal is in cluster situation and hence like to withdraw the proposal and reapply for TOR. Quoting this reason, the Proponent requested to exempt from the presentation. **Hence the Committee decided to delist the proposal at the risk of the project proponent.**

Item No.10 **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Najeeb U P for an area of 0.9954 Ha, at Re-Survey Nos. 67/1101, 1188 in Kakkad Village, Kozhikode Taluk, Kozhikode**
SIA/KL/MIN/428457/2023, 2345/EC2/2023/SEIAA

Decision: As invited, the project proponent, Sri. Najeeb U P and the RQP, Sri.D.P.Sreekumar were present. The RQP made the presentation. The total mineable reserve is 104517 MT with an annual production of 20903.4 MTA. The life of mine is 5 years. The highest elevation of the permit area is 205 m AMSL and the lowest is 155 m AMSL. The nearest house is at 176.5 m. The total project cost is Rs.30 lakh. The depth to water table is 4 m below ground level. **Based on discussions, the Committee decided to entrust Dr.C.C.Harilal & Dr.A.N.Manoharan for field inspection and report.**

Item No.11 **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Sabju V for an area of 0.3349 Ha at Re-Survey No.33/79 in Kakkad Village, Kozhikode Taluk, Kozhikode**
SIA/KL/MIN/429438/2023, 2326/EC4/2023/SEIAA

Decision: As invited, the project proponent, Sri.Sabju.V and the RQP, Sri.D.P.Sreekumar were present. The RQP made the presentation. The total mineable reserve is 35164.5 MT. The life of mine is 2 years. The highest elevation of the permit area is 162 m AMSL and the lowest is 142 m AMSL. The nearest house is at 280.1 m. The total project cost is Rs.20 lakh. The depth to water table is 4m below ground level. **Based on discussions, the Committee decided to entrust Dr.C.C.Harilal & Dr.A.N.Manoharan for field inspection and report.**

Item No.12 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Pradeepan A., for an area of 0.1941 Ha at Re-Survey No: 3/904 in Kaliyad Village, Iritty Taluk, Kannur**
(SIA/KL/MIN/431081/2023, 2365/EC4/2023/SEIAA)

Decision: As invited, the project proponent, Sri. Pradeepan A. and the RQP, Sri.V.K.Roy were present. The RQP made the presentation incorporating the documents sought vide 152nd SEAC meeting. The total mineable reserve is 13043 MT. The life of mine is 1 year. Nearest house is at 179.05 m. The total project cost is Rs.3.051 lakh. The depth to water table is 10 m below ground level. The Custer Certificate dated 27.11.2023 is submitted. **Based on discussions,**

the Committee decided to recommend EC for the project life of 1 year subject to the following specific conditions in addition to the general conditions:

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

Item No.13

Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Noushad C.P for an area of 0.5696 Ha at at Re-Survey Nos. 172/3009, 172/3010 in Kodyathoor Village, Kozhikode SIA/KL/MIN/431401/2023, 2346/EC2/2023/SEIAA

Decision: As invited the authorized person of the project proponent, Sri. Noushad C.P and the RQP, Sri.A.Mahammad Kunhi were present. The RQP made the presentation. The total mineable reserve is 45136 MT. The life of mine is 3 years. The total project cost is Rs.20 lakh. The highest elevation of the permit area is 246 m AMSL and the lowest is 222 m AMSL. The depth to water table is 8 m below ground level. The moderate hazard zone is at a distance of 90m from the project boundary. **Based on discussions, the Committee decided to entrust Dr.C.C.Harilal & Dr.A.N.Manoharan for field inspection and report.**

Item No.14

Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Rajesh E, for an area of 0.0971 Ha at Block No. 91, Re-Survey No: 3/132 in Kaliyad Village, Iritty Taluk, Kannur (SIA/KL/MIN/431645/2023, 2330/EC4/2023/SEIAA)

Decision: As invited, the project proponent, Sri. Rajesh E. and the RQP, Sri.V.K.Roy were present. The RQP made the presentation incorporating the documents sought vide 152nd SEAC meeting. The total mineable reserve is 6103 MT. The life of mine is 1 year. The nearest house is at 228.5 m. The total project cost is Rs.1,78,630/-. The depth to water table is 6 m below ground level. The Custer Certificate dated 27.11.2023 is submitted. **Based on discussions, the Committee decided to recommend EC for the project life of 1 year subject to the following specific conditions in addition to the general conditions:**

1. The depth of mining should be limited to 4m below ground level considering the depth to water table.
2. The excavation activity should not involve blasting.
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.

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

**Item No.15 Environmental Clearance for the Laterite Building Stone Quarry project of Sri.Ullas T.K, for an area of 0.1909 Ha at Re-Survey No.67/977, 979 in Kakkad Village, Kozhikode Taluk, Kozhikode
SIA/KL/MIN/431974/2023, 2347/EC2/2023/SEIAA**

Decision: As invited, the project proponent, Sri.Ullas T.K and the RQP, Sri.D.P.Sreekumar were present. The RQP made the presentation. The total mineable reserve is 20044.5 MT. The life of mine is 1 year. The highest elevation of the permit area is 292 m AMSL and the lowest is 274 m AMSL. The nearest shed is at 66 m. The total project cost is Rs.15 lakh. The depth to water table is 8 m below ground level. **Based on discussions, the Committee decided to entrust Dr.C.C.Harilal & Dr.A.N.Manoharan for field inspection and report.**

Item No.16 **Environmental Clearance for the mining of Ordinary Earth project of Shri. Elias, for an area of 0.2895 Ha at Survey Nos.535/2,535/2-1 in Velloor Village, Vaikom Taluk, Kottayam**
(SIA/KL/MIN/431975/2023, 2378/EC4/2023/SEIAA)

Decision: As invited, the project proponent Shri. Elias and the RQP, Sri. C.Balaraman were present. The RQP made the presentation. The total mineable reserve is 34250 MT. The life of mine is 1 year. The highest elevation is 62 m MSL and the lowest elevation is 48 m MSL. The total project cost is Rs.10 lakh. The Committee noted that the nearest house is at a distance of 37.8 m. **The Committee decided to direct the project proponent to submit the following additional documents;**

1. Latest work Order for supply of the ordinary earth
2. Site specific EMP with mitigation measures.
3. Plan for maintaining the buffer of 50m between the built structure and project boundary.
4. CER proposal need revision by incorporating monitorable physical targets as per the guidelines uploaded in the SEIAA website.
5. Depth to water table measured in the nearest open well to the site with geotagged photographs.
6. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area

Item No.17 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Sibi P Alias for an area 0.7837 Ha at Survey No. 194/9, 194/9, 194/11, 194/11/1 in Varappetty Village, Kothamangalam, Ernakulam.**
(SIA/KL/MIN/432348/2023, 2296/EC3/2023/SEIAA)

Decision: As invited, the project proponent, Sri. Sibi P Alias and the RQP, Sri. C. Balaraman were present. The RQP made the presentation. The proponent earlier submitted an application vide proposal no. SIA/KL/MIN/136819/2020 and during field inspection conducted on 26.10.2022, it is found that a house is situated at 7m from the project boundary and based on the precautionary principle the Committee in its 135th meeting decided to reject the application. Now the proponent demolished the buildings within 50 m and submitted new application along with the photographs of demolished structure. The total mineable reserve is 208848 MT. The

total project cost is Rs.80 Lakh. The life of mine is 4 years. The highest elevation is 56 m and the lowest elevation is at 37 m. The high hazard zone is at 16.36 km and the moderate hazard zone is at 13.30 km. The Thattekkad Bird Sanctuary is at 14.16 km. The nearest house is at 88 m. **The Committee decided to direct the project proponent to submit the following additional documents.**

1. Modified EMP addressing site-specific mitigation measures and adequate budget provision
2. CER as per guideline published in the website of SEIAA
3. Depth to ground water table in the nearest dug well along with the geo-tagged photograph of the well and the distance between the well and project boundary.
4. Recent test result of the environmental quality parameters from a NBL accredited lab.
5. Detailed drainage plan
6. Compensatory Afforestation Plan along with geo-coordinates of the proposed site, geotagged photographs of the proposed sites, and ownership details of the proposed site with proof.

Item No.18 Environmental Clearance to Smt. S Jayasree for Silica Sand mining of over an area of 1.0552 Ha. (2.6074 Acres) in Sy. Nos. 58/11B1, 58/11B2, 58/14 at Panavally Village, Cherthala Taluk, Alappuzha SIA/KL/MIN/45722/2019, 1591/EC4/2020/SEIAA

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

Item No.19 Environmental Clearance for the Granite Building Stone quarry project of Sri. M.D George, M/s Ernad Associates for an area of 3.5950 Ha at Re Sy Block No.27, Re Sy Nos.37/8, 39/11-3, 39/11-2, 39/11, 43/1-2, 43/2, 42/4-5, 43/1 in Urangattiri Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/53095/2020 , 1668/EC6/2020/SEIAA)

Decision: As invited the authorized person of the project proponent, Sri.Biju Rajan and the RQP, Sri.Sajjath Sultan, M/s.SBA Enviro Sysytem Private Limited were present. The RQP made the presentation of the EIA report. The Committee observed that the presentation did not addressed adequately the shortcomings that SEAC has highlighted in the 147th meeting. Based

on discussion, **the Committee decided to direct the Proponent to submit the following additional documents:**

1. Revised EIA report incorporating the following details:
 - a) The method adopted for identification, evaluation assessing the Environmental impacts of the project is not mentioned.
 - b) List and explain the direct, indirect, residual and cumulative impacts.
 - c) Incorporate the details of specific studies suggested in the ToR such as (i) Cumulative impact assessment considering carrying capacity of the cluster, (ii) Impact on road traffic and provide a material transportation management plan, (iii) Hydro-geological aspects and replenishment and recharge issues and (iv) Impact on natural drains and other water resources structures
 - d) Provide the length of plantation road through which the material from all the five quarries have to be transported
 - e) Clarification for adopting the same PCU of 1600 for both the roads, the plantation road and Areecode-Edavanna road (State Highway) through which the mined materials are proposed to be transported.
 - f) Revised faunal study and its incorporation in the report as is not found satisfactory. The Centipede and Millepede are included in the list of Reptiles. The Bird and Butterfly lists are incomplete. Mabuya and lizards are very common species seen but not seen listed. List of amphibians are also is missing.
 - g) Clarification regarding the presence of mud-stained water in streams and wells as it was a common allegation by the 26 persons spoke against the proposed projects in the Public Consultation.
 - h) Clarify the correctness of the statement in the report that the main occupation of the local villagers is agriculture, animal husbandry like goat rearing, cattle farming for milk etc.
 - i) Reason for not mentioning the presence of the built structure at 14m distance from the eastern boundary of the proposed site.
 - j) Appropriate revised mitigation measures for the impact on socio-economic environment.
2. Drainage map with garland canal connecting to silt trap, and connecting to natural

drainage

3. CER to be revised as per norms and based on stakeholder consultation and incorporated in the EMP.
4. Recent legible survey map showing the distance to all built structures within 200m from the proposed project boundary.
5. Geotagged photographs of the boundary pillars
6. Depth to water table in the nearest dug well to the project site along with the geotagged photograph of the well and distance from the project boundary
7. Alternate site for compensatory afforestation along with its geotagged photographs and ownership details as the site proposed is already a vegetated one

Item No.20 **Environmental Clearance for the granite building stone quarry of Sri. Binu A.S, Managing Director, M/s Grava Metals Pvt Ltd for an area of 3.3686 Ha at Survey No. 487/1/2/3, 487/1/3/B, 491/1/2/4, 493/15/11, 491/1/2/4, 493/15/11, 491/1/ 2/4/2, 491/1/2/4/2, 491/1/2/4/2 in Pallarimangalam Village, Kothamangalam Taluk, Ernakulam (SIA/KL/MIN/282371/2022, 2130/EC3/2022/SEIAA)**

Decision: As invited, the project proponent Sri. Binu A.S, Managing Director, M/s Grava Metals Pvt Ltd and the RQP, Sri. C. Balaraman were present. The RQP made the presentation. The total mineable reserve is 21,21,275 MT with annual production of 235697 MT. The total project cost is Rs.3.5 crore. The life of mine is 9 years. The highest elevation is 94 m MSL and the lowest elevation is 56 m MSL. The Thattekkad Wild Life Sanctuary is at 10.27 Km as per the Letter dated 28.04.2023 from Wild Life Warden, Idukki. The site is not near to landslide hazard zone. The nearest house is at 106.7 m, but a mobile tower is reported at 50.5m away from the project boundary. The field inspection was conducted on 08.03.2022. The depth to water table as reported in the field inspection report is 21.8m above MSL. **Based on discussions, the Committee decided to recommend EC for the mine life approved by the competent authority subject to the following Specific Conditions in addition to the General Conditions:**

1. The mining should be limited to 25m above MSL considering the depth to water table.

2. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to commencement of mining and included in the Half Yearly Compliance Report.
3. The impact of vibration due to blasting on the mobile tower should be conducted prior to the commencement of mining to ensure that there is no impact on that built structure.
4. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
8. Drainage water should be monitored 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.
9. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
10. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
11. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
12. Adequate sanitation, waste management and rest room facilities should be provided to the workers.

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

PART – 3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 Environmental Clearance for the Granite Building Stone Quarry of Sri. Linej TP for an extent of 0.2870 Ha at Re survey No- 106,108/1 in Kakkur village, Kozhikode Taluk, Kozhikode.
SIA/KL/MIN/169564/2020, 1823/EC4/2020/SEIAA

The Committee noted that all together, the minimum area required for operating the essential machines, setting the blasting array, and storage of materials on a day-to-day basis is about 865 m² for ensuring environmental safeguards. This is considering the buffer area required to be left for developing green belt, soil berm and temporary barriers all around, the width and height stipulated for benches, the length of the blast hole array (generally 12 to 15m), width of around 3.5m required for access ramps, area required for parking, loading and turning a medium sized truck (around 490 m²), space required for excavator operation (estimated as 150 m²), area required for stacking excavated materials (around 100 m²) and the area required for storage of machine tools and free space (around 50 m²). Since the total area of the proposed quarry is only

2870 m², the feasibility for mining is limited to only one bench, i.e. to a depth of 5m. Even for this quantity, all the arrangements as stipulated in the mining plan and conditions stipulated in the Environmental Clearance will have to be organized and complied with by the proponent. Therefore, the proposal for mining from such a small area is environmentally and economically not feasible. **Therefore, the Committee decided to recommend rejection of the proposal.**

Item No.2 Environmental Clearance for the extraction of Granite Building Stone of Sri. Siraj Hussain at Re-Sy: 281/2-3 of Mundakkayam Village, Kanjirappally Taluk, Kottayam (SIA/KL/MIN/176680/2020, 1877/EC3/2021/SEIAA)

Decision: The Committee discussed the field inspection report conducted on 08.1.2023 and examined all the findings for and against the project. It is observed that the disadvantages to the environment are much more than the economic benefits. Considering the anticipated environmental harm and uncertainty, the Committee felt it necessary to invoke precautionary principle as protection of environment should have precedence over economic interest. Therefore, the **Committee decided to recommend rejection of the proposal due to the following reasons:**

1. The thickness of overburden in the project area is reported as 0.5 to 1.5m which increases significantly towards northwest. The general slope of the project site is moderate, but the slope of the adjacent area southwest of the proposed project site is very steep beyond the break-in-slope region adjacent to the southwestern boundary of the proposed project site. The very high thickness of overburden on the very steep slope area southwest of the break-in-slope region, characterizes the area as very vulnerable to landslide in the changing climatic scenario.
2. The critical nature of the site is evident from the landslide hazard zonation map, the climatic data, climate variability of the region evident from the devastating flood incidences of 2018 and 2019, hydrologic, physiographic and landform characteristics and nature of slope, high relative relief from 120m to 500m above MSL of the hill on which the site is located.
3. 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.

4. The NOC No. DC/KTM/8916/2022-DM dated 17.4.2023 from the District Level Crisis Management Committee submitted by the Proponent is for initiating quarrying operation in orange zone (Moderate Landslide Hazard Zone) for an area of 3.8415 Ha under Survey No. 281/1-2 and 282/2-3 of Mundakkayam Village, Kanjirappalli Taluk. Though the project area proposed in the application at present is only 0.9713 Ha, it is evident that the mining may extend to the steep slope region with thick over burden in future leading to anticipated severe environmental harm and increased high-risk potential.
5. As per the Report of the District Geologist of the Mining & Geology Department to the District Collector, Kottayam vide Lr. No. 3404/DOY/ML/2022 dated 17.1.2023, the risk potential further increases as the residential houses on both sides of the approach road to the proposed quarry are on the hill slope and in the moderate hazard zone.

**Item No.3 Environmental Clearance for Granite Building Stone Quarry of Sri. Adeshkumar C.S for an area of 0.9913Ha in Survey No. 208/1-62,208-1-28 in Alanallur-III Village, Mannarkkad Taluk, Palakkad, Kerala
SIA/KL/MIN/239186/2021 , 2056/EC1/2022/SEIAA**

Decision: The Committee observed the direction of SEIAA in its 134th meeting and examined the additional documents submitted by the project proponent and found them satisfactory. The total mineable reserve is 294080 MT with annual production of 58816 MTA. The life of mine is 5 years. The highest elevation is 145 m and the lowest is 115 m respectively. The nearest house is at 213.8 m. The moderate hazard zone is at 2.15 km and high hazard zone is at 2.8 km from the proposed site. The Silent Valley National Park is situated at 2.9 km and the project proponent has submitted the proof of application to NBWL. The total project cost is 1.27 Crore. The field inspection was carried out on 29.03.2023. The Committee heard the presentation in its 138th SEAC meeting. Based on discussions, **the Committee decided to recommend EC for the project life of 5 years subject to the following specific conditions in addition to the general conditions:**

18. The depth of mining should be limited to 110 m above MSL considering the depth to water table.
19. Fencing around the boundary should be completed before starting the mining operation

20. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
21. Compensatory afforestation should be completed using indigenous species during the 1st year of operation itself and the seedlings/plants in both buffer and compensatory afforestation sites have to be protected and nurtured. Photographs of the same should be uploaded in the HYCR
22. 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.
23. 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).
24. Overflow water from the siltation pond should be discharged to the nearby natural drain and to the *Velliyar* river after adequate filtration
25. 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.
26. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
27. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
28. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
29. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
30. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
31. Adequate energy conservation measures should be implemented including solar power installations.

32. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
33. 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.
34. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
35. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR.

Item No.4 **Environment Clearance for the Laterite building stone quarry of Sri. Jayakrishnan for an area of 0.6824 Ha at Re Survey No. 2/5,5/2 of Ongallur-1 village , Pattambi taluk, Palakkad, Kerala.**
(SIA/KL/MIN/272889/2022 , 2144/EC1/2022/SEIAA)

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.5 **Environmental Clearance for the Laterite building stone quarry of Sri. Kunhi Mohammed at Re-Survey No-1/41(1/1B2) in Poolakode Village, Kozhikode Taluk, Kozhikode**
SIA/KL/MIN/286387/2022, 2077/EC4/2022/SEIAA

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.6 **Granite Building Stone Quarry of Sri. Jayesh Thomas in Survey Block No. 31, Re. Survey No.317/10, 317/11, 317/3, 317/12 in Vadasserikkara Village, Ranni Taluk, Pathanamthitta District,**
SIA/KL/MIN/291136/2022 , 2111/EC1/2022/SEIAA

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.7 Granite Building Stone Quarry of Sri. Binoj. K. Baby, Managing Partner, M/s.Pulpally Stone Crushers for an area of 4.1000 at Survey Nos. 398/8, 398/30, 420/2, 420/3, 420/4, 420/6, 420/7, 420/8, 420/11, 421/2, 421/3, 421/4, 421/7 of Padichira Village, Sultan Bathery Taluk, Wayanad
SIA/KL/MIN/402910/2022, 2124/EC2/2022/SEIAA

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.8 Environmental Clearance for the Granite Building Stone Quarry of Sri.Vijayan . R for an area of 0.3900 Ha in Re.Survey No. 339/4 in Pallikkal Village, Varkala Taluk, Thiruvananthapuram (Re uploading of the proposal No. SIA/KL/MIN/164458/2020) (SIA/KL/MIN/411101/2022, 1847/EC1/2020/SEIAA)

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.9 Environmental Clearance for Granite (Building Stone) Quarry of Sri. Shamsudheen for an area of 4.5622 Ha. at Survey No 1 in Udayagiri village, Taliparamba Taluk, Kannur
(SIA/KL/MIN/411554/2022, 2224/EC4/SEIAA/2023)

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.10 Environmental Clearance for the Laterite Building Stone Project of Sri. Sharafudheen for an area of 0.0971 Ha at Sy.Nos.533/1-33, 533/1-63 in Kuttippuram Village, Tirur Taluk, Malappuram. (SIA/KL/MIN/415396/2023 , 2248/EC6/2023/SEIAA)

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.11 Environmental Clearance for Laterite (Building Stone) Quarry of Sri.Bharathan for an area of 0.9532 Ha at Survey Nos: 7/2-14, 7/2- 15, 7/2-8, 7/2-7 in Koppam Village, Pattambi Taluk, Palakkad District, Kerala (SIA/KL/MIN/415821/2023, 2222/EC1/2023/SEIAA)

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.12 Environmental Clearance for Laterite (Building Stone) Quarry of Sri.Abdur Rasak for an area of 0.9400 Ha at Block No 25, Re-Survey Nos: 7/2-10, 7/2-9, 7/2-8, 7/2-16, 7/2-17 in Koppam Village, Pattambi Taluk, Palakkad (SIA/KL/MIN/415955/2023 , 2221/EC1/2023/SEIAA)

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.13 Environmental Clearance for the Granite Building Stone Quarry project of Shri. K. Sudhakaran , M/s. Kanakakunnu Stone Industries and M Sand, for an area of 3.4501 Ha. at Survey No: Sy. No. 292/1A, in New Naduvil Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/423358/2023, 2381/EC4/2022/SEIAA)

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.14 Environmental Clearance for the Laterite (Building Stone) Quarry of Sri.Cheriya Vilappinakath Siyad, for an area of 0.0971 Ha at Block no .138, Re-Survey No: 362/29 of Chuzhali Village, Taliparamba Taluk, Kannur. (SIA/KL/MIN/424608/2023, 2249/EC4/2023/SEIAA)

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.15 Environmental Clearance for Building Stone Quarry project of Sri. Sreejith S.S., Managing Partner of M/s VSC Villaments for an area of 2.700 hectares.

at Block No.47, Re-Survey 319/7, 318/13, 322/5, 320/1-1, 320/4-2, 320/1-3, 320/1-4, 320/1-6 in Aryanad Village, Nedumangad Taluk, Thiruvananthapuram. SIA/KL/MIN/426206/2023, 2261/EC1/2023/SEIAA

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.16 Environmental Clearance for Granite Building Stone Quarry of Sri. R. Mohandas, for an area of 3.7390 Ha. at Re-Survey Nos. 1293/1623, 1293/1621, 1293/1622, 1293/2870, 1293/2872, 1293/2793, 1293/2794 & 1293/1624 in Ayyankunnu Village, Iritty Taluk, Kannur (SIA/KL/MIN/428391/2023, 2283/EC4/2023/SEIAA)

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.17 Environmental Clearance for the Granite Building Stone Quarry project of Sri. Sreejith M S, for an area of 1.5506 Ha at Block no: 44, Re-survey No: 114/1,115/1-1,115/4-1,115/5-1, in Kondoor Village Meenachil Taluk Kottayam. (SIA/KL/MIN/434282/2023, 2377/EC4/2023/SEIAA)

Decision: The Committee discussed the field inspection report conducted on 09.11.2023. The Committee decided to invite the project proponent for a presentation.

Item No.18 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Asees Kadakkadan for an area of 0.5827 Ha at Sy.No. 458/2, 3 in Ponmala Village, Tirur Taluk, Malappuram. (Old ProposalNo.SIA/KL/MIN/194573/2021) SIA/KL/MIN/436541/2023, 1889/EC6/2021/SEIAA

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.19 Environmental Clearance for Granite Building Stone Quarry of Sri.Binoj K.Baby, M/s. Pulpally Stone Crushers which is situated at Survey No's. 256/2,256/3,257/1,257/2,257/3,257/6,257/7 of Padichira Village, Sultan Bathery Taluk, Wayanad (SIA/KL/MIN/439177/2023, 2402/EC6/2023/SEIAA)

Decision: The Committee decided to defer the item for detailed scrutiny.

Item No.20 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Benny Abraham, Managing Partner, M/s.Amayoor Granites for an area of 3.6733 Ha at Re-Sy Block No: 2, Re-Sy. No: 33/8-2, of Pattambi Village and Re-Sy Block No: 24, Re-Sy. No's. 314/5 & 314/6 in Koppam Village, Pattambi Taluk, Palakkad SIA/KL/MIN/440361/2023, 2184/EC1/2023/SEIAA

Decision: The Committee decided to defer the item for detailed scrutiny.

PART – 4

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 Environmental Clearance for the Granite Building Stone Quarry Project of Sri.Kichu K.Ravi for an area of 4.2295 Ha at Sy.No.53/2 in Venganellur Village, Thalappilly Taluk, Thrissur – Reappraisal of EC as per OM dated 28.04.2023 (SIA/KL/MIN/433891, File No.2317/EC6/2023/SEIAA)

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The Committee observed that the Environmental Clearance was issued by DEIAA, Thrissur as per Order No. B7/7683/2017/DEIAA/TSR dt.18.06.2018 for a period of five years. Based on the Judgment dated. 24.11.2020 in WP(C) No.25848 of 2020, the Committee appraised the proposal for revalidation and conducted field inspections on 08.04.2022 and 06.05.2022. The Committee in its 141st meeting recommended

revalidation of the EC for 22 years as per the life of mine certified by the District Geologist from the date of the original EC (18.06.2018) subject to certain specific conditions. As per the decision of the 127th meeting of the SEIAA based on the O.M dated 28.04.2023, the project proponent submitted an online application through Parivesh Portal on 20.06.2023. As per the application, the total mineable reserve is 28,22,625 MT and the life of mine is 30 years. The total mined quantity of 449813 ton has already been extracted and the remaining mineral deposit is only 23,72,812 ton. Taking this into consideration, the remaining life of mine is estimated as 22 years. The nearest structure is at 211.7 m. The total project cost is 4.5 Crore. The distance to the medium hazard zone is 8.06 km and to the high hazard zone is 8.11 km. The Peechi Vazhani Wild Life Sanctuary is at 6.37 km and the project proponent has submitted the proof of application for NBWL. The CCR was received from MoEF&CC on 20.02.2023. The elevation of the site varies from 165m to 130m above MSL. The depth to water table is 11m below ground level. **Based on discussions, the Committee decided to recommend EC for the project life of 22 years subject to Order of the Hon. Courts, if any, and also subject to the following specific conditions in addition to the general conditions:**

1. The depth of mining should be limited to 120m above MSL considering the depth to water table.
2. Buffer Zone with a width of 7.5m should be maintained all around the project area till the end of project life.
3. Garland Canal with silt traps, siltation pond and outflow channel should be provided considering the entire project area.
4. The cleaning and desiltation of silt traps, siltation pond and outflow channel should be done periodically.
5. Over flow water from siltation pond should be discharged to the nearby natural drain after adequate filtration.
6. The Bench height and width should be rectified wherever required and corrective measures should be taken to maintain 45⁰ Slope.
7. Suitable location for the storage of top soil and overburden has to be identified and the same has to be provided with retaining/protective walls.
8. Adequate energy conservation measures should be implemented including solar power installations.

9. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
10. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
11. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
12. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
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. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
16. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
17. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
18. Adequate sanitation, waste management and rest room 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. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.

21. 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.
22. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
23. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR.

The Committee decided to convene its 156th meeting on 5th & 6th January 2024 and the 157th meeting on 16th, 17th & 18th January 2024.

The meeting come to an end on 5.30 pm.

Sd/
Suneel Pamidi, IFS
Member Secretary, SEAC

Sd/
Dr.R. Ajayakumar Varma
Chairman, SEAC

LIST OF PARTICIPANTS:

Sl.No.	Name	18.12.2023	19.12.2023
1.	Dr.R.Ajayakumar Varma (Chairman)	√	√
2.	Shri. Sheik Hyder Hussain	√	√
3.	Dr.A.Bijukumar.	X	X
4.	Dr.A.N.Manoharan	√	√
5.	Shri. M.Dileepkumar	X	X
6.	Smt. Beena Govindan	√	√
7.	Dr.C.C.Harilal	√	√
8.	Dr.K.VasudevanPillai	√	√
9.	Dr.MaheshMohan	√	√
10.	Dr.K.N.Krishna kumar	X	X
11.	Sri.V.Gopinathan	√	√
12.	Dr.A.V.Raghu	√	X
13.	Dr.N.Ajithkumar	√	√
14.	Sri.Suneel Pamidi,IFS (Member Secretary)	√	√