

MINUTES OF THE 156TH MEETING OF THE SEAC, KERALA HELD FROM 05TH & 06TH JANUARY, 2024, IN THE CONFERENCE HALL, STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA

The meeting started at 10.00 AM on 05th January 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 155th SEAC meeting held on 18th & 19th December 2023.**

The Committee noted and confirmed the minutes of the Physical file and Part 3, Parivesh files of the 155th meeting of the SEAC.

Item No.156.02 **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: As decided in the 149th SEAC meeting, the Committee heard the petitioner, Sri. E. Sreedharan. The complainants intimated those 20 cents in Sy. No. 41/13 and 70 cents in Sy. No. 43/1 belongs to the complainant. He also intimated that the magazine is very near (7-8m) to his property. The quarry waste is also dumped in his property. The Committee after deliberation, noticed that the project proponent was heard in the 151st meeting and he submitted the hearing note on 18.10.2023. **After hearing the complainant, the Committee decided to direct the complainant to submit the hearing note with all the required supporting documents to substantiate his claim within 7 days.**

Item No.156.03 **Reconsideration of Rejected Environmental Clearance proposal for the mining of the Granite Building Stone Quarry project of Sri. Mathew, M/s Alacode Granites at Survey No. 292/1A in Vellad Village, Thaliparamba Taluk, Kannur –Hearing note submitted**
(File No. 1277(A)/EC2/2019/SEIAA) 14.02.2023

Decision: The Committee considered the Proposal in its 101st , 103rd , 105th , 106th , 109th , 111th ,115th ,122nd ,124th ,127th ,130th ,134th ,142nd ,144th ,151st and 156th meetings. The 115th Committee after due appraisal, based on presentation, field inspection and evaluation of additional data, decided not to recommend the proposal for EC considering the high hazard potential of the site. The SEIAA in its 106th meeting accepted the recommendation of SEAC and Rejection Order was issued to the proponent on 06.02.2021. The Authority in its 109th meeting forwarded the additional documents submitted by the project proponent to SEAC for verification, reconsideration and to give an opportunity to be heard by the SEAC. The Committee in its 122nd meeting heard the proponent and decided to entrust a sub-committee to study the additional details prior to its presentation before Committee. After scrutinizing the additional details and study reports submitted by the proponent, the Committee in its 124th meeting recommended rejection of the proposal.

The Authority in its 112th meeting directed the SEAC again to give an opportunity to present the additional documents including a personal hearing by the SEAC. The proponent was invited during the 127th meeting of SEAC for hearing and presentation, but he was absent. The Committee in its 130th meeting entrusted a sub-committee to evaluate the details presented before the committee, study the report prepared by the NIT, Surathkal, and assess the details of the project including the field inspection report, other studies and reports if any, and advise the committee to arrive at a final decision. Based on the evaluation of the sub-committee, the 134th meeting of the SEAC decided that the study conducted and report submitted by the NIT do not favor reversal of the decision of SEAC and SEIAA taken earlier to reject the proposal and again recommended rejection of the proposal. The Authority in its 121st meeting agreed to the recommendation of SEAC and a Rejection Order was issued on 14.02.2023.

The Authority in its 125th meeting decided to hear the Proponent again and in its 126th meeting heard the Proponent and directed SEAC to verify the hearing note submitted by the proponent and reappraise the proposal as they deem fit by conducting necessary field visit if required. The Committee in its 142nd meeting noted that the proponent has submitted the hearing note with a request to grant 10 days to submit the supporting data. The Committee, in

its 144th meeting, verified the documents submitted by the proponent and found that no additional data/proof or any other details was provided to substantiate the explanation given in the hearing note. The Committee invited the Proponent for hearing as directed by the Authority. The 151st meeting of the Committee held on 18.10.2023 heard the Proponent, Sri. Mathew, M/s Alacode Granites and the RQP, Dr.Sakkir S.Pillai. During the hearing the RQP did not present anything new to counter the earlier findings of the Committee. The Committee noted that the proposal was rejected earlier after conducting field inspection, evaluation of the additional documents submitted and specific scrutiny of the documents repeatedly. The Committee decided to defer the final decision on the item after detailed discussion considering the direction of the SEIAA in its 126th meeting.

The Committee again verified the hearing note submitted by the project proponent dated 2.11.2023 and observed that there are no additional substantiating evidence/documents provided with the hearing note to reconsider the earlier decision of the Committee. **Therefore, the Committee decided to inform the SEIAA that the proposal was considered several times, provided enough opportunity to present the documents, and also gave ample chances for hearing, and all those times, the project proponent failed to provide proof/ documents to revoke the earlier decision. Hence the Committee decided to adhere to its earlier decision to reject the application.**

Item No.156.04 **Environmental Clearance issued by MoEFCC to the Hospital Complex project, St. Gregorios Medical Mission Hospital at Sy.Nos. 286/2, 286/3, 286/16 in Kadapra Village & Panchayath, Thiruvalla Taluk, Pathanamthitta District, Kerala – Request for final inspection of the remedial measures and release of Bank Guarantee**
(File No. 1346/EC1/2023/SEIAA)

Decision: The Committee discussed the Field Inspection Report conducted on 29/10/2023 in detail. The EC was accorded by MoEF&CC after submission of acknowledgment of Bank Guaranty for an amount of Rs. 62,45,000/- (Rupees Sixty-two lakhs and forty-five thousand only) after damage assessment, remediation plan and natural and community resource augmentation plan. During the field inspection, the Sub Committee heard the Proponent to understand the details of various activities of the remediation plan implemented. The Committee verified the activities implemented against the proposed and approved activities as part of the Remediation Plan and Natural and Community Resource Augmentation Plan.

The Committee noted that there are considerable variations between the proposed activities and the implemented activities as given in the field inspection report. The variations which are not agreeable to the Committee is listed as follows;

1. For the rejuvenation of the ecological environment, it was proposed to plant 560 trees and maintain it for 3 years. Though the project proponent showed the area where the plantation was done, there were only a few trees, for which the project proponent intimated that the trees were lost due to lack of maintenance. But in the expenditure statement, project proponent claimed that the fund provided for maintenance of planted trees are expended.
2. There is a shortage of Rs. 8,42,050 in expenditure for implementing Natural Resource Augmentation plan, where as there is an excess expenditure of Rs. 11,62,220 in Community Resource Augmentation Plan. It is observed that the excess expenditure incurred in the latter was for providing periodic medical checkup, free-of-cost medicine and COVID-19 vaccination during Corona Period. The Committee noted that this activity is also not justifiable. **Therefore, the Committee decided the following:**
 - a) **The project proponent shall submit a statement consisting of the deviation from the approved interventions and justification for the same.**
 - b) **An audited statement of the expenditure incurred for the implementation of various interventions under the Remediation Plan and Natural Resource Augmentation Plan and Community Resource Augmentation Plan.**
 - c) **An additional plan for the Natural and Community Resource Augmentation Plan, for the shortage of expenditure incurred.**
 - d) **Corrected Expenditure Statement and Utilization Certificate from a Chartered Accountant.**

Item No.156.05 **Environmental Clearance issued for the Granite Building Stone Quarry of Sri. C. H. Sakkariya, President Mannarkkad Taluk Karinkal Quarry Operators Vyavasaya Sahakarana Sangam at Re - Survey No:347/3 in Thachanattukara -I Village, Mannarkkad Taluk, Palakkad, Kerala- Judgement dated 06.07.2023 in WP (C) No.21867 of 2023 filed by Sri. Abdul Shukoor**
(SIA/KL/MIN/211090/2021, 1949/EC1/2022/SEIAA)

Decision: The Committee perused the complaint and the hearing notes submitted by the complainants Sri. Abdul Shukoor & Sri. Joby Joseph and the response of the project proponent. The Committee noted that the complaint is that the quarry projects is in the steep slope and proposed mining cause damage to his house situated at 237m away from the project area. It is also pointed out that there are 4 quarries within 500m radius and hence there is a cluster situation. The plying of lorries even at midnight affects the sleep cycle of the inhabitants. Besides, it caused a lot of dust pollution. As per the reply submitted by the project proponent, the steep slope will be corrected by providing benches during mining and the distance to the houses is beyond the regulated distance. **The Committee decided to direct the project proponent to submit the following Clarification/documents**

- 1. Proof of proposed correction measures including the provision of benches in the proposed area.**
- 2. Proof for providing a road with at least 7m width and its details from the starting point to the proposed site.**

Item No.156.06 **Environmental Clearance issued to the quarry project of Sri.P.J Jacob, Director, M/s Inchappara Sands & Granites Pvt. Ltd. at Sy. Nos. 166/2, 166/2-6, 166/2-7, 166/2-9, 166/2-10 in Koodal Village, Adoor Taluk, Pathanamthitta - Judgment dated 07.10.2021 in WP (C) No.30764/2021 filed by M/s Inchappara Sands & Granites Pvt. Ltd**
(File No.912/SEIAA/EC4/3648/2015)

Decision: The Committee perused the proposal and observed that as part of the appraisal for revalidation of the EC issued earlier, a field inspection was carried out by a Subcommittee of the SEAC. The Committee also noted that even though EC was issued, mining was not commenced in the site. The Committee also noted that the Proponent obtained satisfactory Certified Compliance Report (CCR) from the IRO, MoEFCC, Bangalore. The 134th meeting of the SEAC held on 09th to 11th November, 2023 discussed the field inspection report and

sought 10 additional documents for further appraisal of the application. During the meeting, the Committee also considered the complaint submitted by Sri. James Mathew and Sri. Koshy Samuel, and decided to get remarks of the project proponent on the complaints. Even after considerable time, the PP has not submitted the requested additional documents and remarks on the complaint. **Therefore, the Committee decided to recommend to delist the application submitted for the revalidation of EC.**

Item No.156.07 **Approval of District Survey Report (DSR) of Kasargod & Kannur Districts for Sand Mining- reg:-**
(File No. 3162/A1/2021/SEIAA)

Decision: As invited, Dr. Ansari, Scientist G (Rtd), the EIA Co-ordinator, Er. Sravanth Tangellamudi & 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 attended the presentation of District Survey Report (DSR) for sand mining or river-bed mining from the rivers draining in Kasargod and Kannur District. The Committee noted the submission that the DSR is prepared in compliance to the EIA Notification and in accordance with the Guidelines issued by MoEF vide Sustainable Sand Mining Management Guidelines-2016 (SSMMG-2016) and Enforcement & Monitoring Guidelines for Sand Mining-2020 (EMGSM-2020). **The Committee discussed various aspects of the report and decided to entrust Sri. V. Gopinathan and Dr. A.N. Manoharan to evaluate the DSR of Kasargod and Kollam district and submit specific comments.**

Item No.156.08 **Approval of District Survey Report (DSR) of Thrissur, Palakkad, Kollam Districts for Sand Mining**
(File No: 3162/A1/2021/SEIAA)

Decision: The 155th meeting of the Committee, after hearing the presentation, decided to evaluate the District Survey Report (DSR) for sand mining or river-bed mining from the rivers draining in Thrissur, Palakkad and Kollam Districts. Preparation of DSR, is based on the Guidelines issued by MoEF vide Sustainable Sand Mining Management Guidelines-2016 (SSMMG-2016) and Enforcement & Monitoring Guidelines for Sand Mining-2020 (EMGSM-2020). Accordingly, the members provided their inputs based on their evaluation

of the DSR and compliance to the guidelines prescribed. **Based on discussions, the Committee decided to recommend the DSR for approval subject to the following conditions.**

1. The DSR is prepared based on the inventory of the river bed material only. The reason for not developing the inventory of various other sand resources may be explained for compliance to the guidelines.
2. The DSR is prepared based on identification of the mineral-bearing area and River/Stream beds sections, suitable for extraction of sand & aggregates. The reason for not defining the no mining zones and river/stream beds prohibited for extraction of sand & aggregates considering the potential threats to the river/stream beds, ecologically sensitive riparian vegetation, breeding habitats, erosional banks and such other environmental and social factors may be defined for compliance to the guidelines.
3. The DSR does not provide the details of survey of entire river stretch and recording of original ground level (OGL) along with chainage and therefore, the verification of the compliance of distance criteria stipulated as per guideline is difficult, especially for the public even though the map provided is with co-ordinates. The map is also devoid of the entire infrastructure across the river stretch.
4. The permanent boundary pillars with MSL marking are not reported to have erected at stipulated intervals after identification of an area of aggradation and deposition outside the bank of the river at safe locations for future surveying.
5. The DSR does not provide details such as location, chainage, upstream, downstream distances etc. of the non-mining/restricted zone
6. The DSR does not reflect the selected transportation route or its verification by the State Government for its carrying capacity to avoid disturbance to habitation.
7. The DSR should incorporate list of mining lease to be auctioned, proof of public consultation, details regarding cluster and contiguous cluster needs etc.
8. The DSR should incorporate the corrections regarding the distance from built structures and reason for adopting the minimum distance for built structures different from the guidelines.
9. Contradictions, if any, regarding the requirement of buffer equivalent 1 km or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250m on the upstream side and 500m on the

downstream side between the structure and sand and gravel deposits should be addressed.

10. Correction of certain typographical errors regarding the length of western ghats, signing of the treaty, width of Palakkad gap, figure of monthly rainfall data etc.

PARIVESH FILES

PART-1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

- Item No.1** **Environmental Clearance for the Proposed Construction of Court Complex at Re-Sy. No. 16, Re-Sy. Block No. 117 in Palakkad-III Village, Palakkad Municipality, Palakkad Taluk & District, Kerala (KIIFB Assistance Project)-**
SIA/KL/INFRA2/456841/2023; 2485/EC3/2023/SEIAA

Decision: The Committee perused the proposal along with all the documents submitted and found that the plot area of the project is 1.1938 ha. (11,938 sqm) with built-up area of 20,623 sq.m. The project cost estimated is Rs.6833 Lakh. **The Committee after due verification decided to invite the project proponent for presentation.**

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

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

Item No.3 **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 examined the proposal and the direction of the SEIAA in its 134th meeting. In the meeting, the Authority observed the following and referred back the proposal to re-examine by SEAC:

1. In the Mining Plan the total mineable reserve is 40782 MT and the production is 20391 MTA, which means the project will be over in two years.
2. The mine life mentioned in the Mining Plan is 3 years and SEAC recommended for the same.
3. The year-wise production details are not mentioned in the approved mining plan.
4. Details of the plan for dumping laterite waste and excavated topsoil are not mentioned.

The Committee decided to get detailed plan and documents from the project proponent to address the above observation of SEIAA in its 134th meeting.

Item No.4 **Granite Building Stone Quarry of Sri. Jayesh Thomas at Survey Block No. 31 at Re. Survey Nos. 317/10, 317/11, 317/3, 317/12 in Vadasserikkara Village, Ranni Taluk, Pathanamthitta**
SIA/KL/MIN/291136/2022, 2111/EC1/2022/SEIAA

Decision: The Committee verified the proposal with the direction of the SEIAA in its 134th meeting. In the 150th meeting, the Committee recommended rejection of the proposal since the project area is less than 0.5 ha. In the 134th meeting, the Authority decided to post the proposal back to SEAC for a fresh recommendation. The Committee observed that the effective mining area out of 0.4120 Ha is only 0.2 Ha. The buffer of the proposed area is overlapped with the adjacent mined-out area. Based on discussions, the Committee concluded that the site is too small with an average effective width of around 30m only and it is difficult to mine ensuring environmental safeguards. **Therefore, the committee decided to recommend rejection of the proposal due to the fact that the effective area for mining is inadequate for scientific mining ensuring environmental safeguards.**

Item No.5 **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 in Padichira Village, Sultan Bathery Taluk, Wayanad**

SIA/KL/MIN/402910/2022, 2124/EC2/2022/SEIAA

Decision: The Committee examined the proposal and discussed the field inspection report. The targeted production is 76787.3 MTA. The life of mine is 20 years. The estimated project cost is 4.58 crore. The highest and lowest elevation is at 840 m MSL to 795 m MSL respectively. The depth to water table is 776 to 778 msl. A building is located at 15m away from the project boundary. The nearest habitation is at 55m west. The ultimate depth of mining is limited to 780 m MSL. The project area is not in landslide hazard zone. The Wayanad Wild Life Sanctuary is at a distance of 2.24 km, the Bandipur National Park is at 3.5 km and the Nagarhole Tiger Reserve Forest is at 4.06 km. As per the proof of application to NBWL, it is noted that the proponent has mentioned only about the Wayanad Wild Sanctuary. Based on discussions, the **Committee decided to get the following additional details/documents from the project proponent for further appraisal:**

1. Revised CER as per the guidelines uploaded in the website of SEIAA-Kerala and avoiding activities which are not specified in OM dated 30.09.2020 of MoEF&CC along with detailed implementation plan.
2. Revised EMP based on the site-specific environmental issues identified and mitigation plan evolved along with adequate budget provision
3. Proof of application submitted for wildlife clearance from the NBWL considering that the site is within 10km distance from different Wild Life Sanctuaries.
4. Alternate site for afforestation with consent of the land owner, if the land is not belonging to the project proponent along with the geo-tagged photographs of the area and species proposed to be planted.
5. Depth to water table in the nearest dug well along with geo-tagged photographs of the well and distance to the well from the site.

The Committee also noted the specific conditions recommended by the Sub-committee.

Item No.6 Environmental Clearance for the Granite Building Stone Quarry of Sri. Vijayan R for an area of 0.3900 Ha at 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 examined the proposal and the direction of the SEIAA in its 134th meeting. The Authority observed that the mining area is only 0.3900 Ha, which is less than the minimum area recommended by the SEAC in its report on minimum area required for Mining Granite Building Stones in Kerala ensuring environmental safeguards. Based on the SEAC report, the Authority has taken decision on the applications having area 0.5 Ha or less and hence referred the proposal back to SEAC to review the recommendation. Authority decided that the criteria of minimum area required for hard rock mining as 0.5 Ha is applicable from November 13, 2023. The Committee noticed that the proposal was considered by the 123rd SEAC and has been under appraisal for quite a long and therefore, the Committee decided to recommend the proposal for EC with specific direction to limit the mining to a maximum depth of 13 m to extract 52000 MT of granite building stone, as a special case. **Hence the Committee decided to adhere the earlier decision to recommend EC for a mine life of 5 years subject to the following Specific Conditions in addition to the General Conditions:**

1. Depth of mining should be limited to a maximum of 95m above MSL
2. Removal of the boulders within the proposed site and the large boulder just outside the project boundary should be done prior to commencement of mining.
3. Development of green belt should be initiated prior to the commencement of mining operation.
4. Compensatory afforestation should be initiated prior to the commencement of mining.
5. A retention wall of appropriate height should be provided at the overburden dumping site
6. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented
7. The haulage road should be maintained well with frequent sprinkling
8. Development of green belt using indigenous species should be initiated prior to the commencement of mining

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

Item No.7 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 noted that the proposal was first considered in the 141st meeting of the SEAC. The proposal is to extract the total mineable reserve of 2071525 MT granite building stone at an annual production rate of 456295 TPA with mine life is 10 years. The Committee observed that there is another quarry having an area more than 4 ha with environmental clearance within 500m radius which is not working at present. Therefore, the Committee decided to refer the proposal to the Legal Officer for advice whether to direct the Proponent for submitting application for ToR or not considering cluster condition. The proposal was again considered in the 144nd SEAC meeting wherein the Committee verified the legal opinion of the legal officer regarding the cluster condition but was unable to decide the cluster situation as the Cluster Certificate dated 01.11.22 submitted by the Proponent was not legible. The Committee noted that the area seems to be steeply sloping and fragile and decided to invite the proponent for presentation. The 148th meeting of the SEAC heard the presentation and observed that there is cluster condition with a quarry of area 4.9005 ha within 500m radius of the proposed quarry which is granted EC and presently not working. The Committee also noted that the project area is engulfed in high-hazard zone at a distance of around 13m and is having an elevation difference of 570m to 670m above MSL on the steep slope of a hill with maximum elevation of about 725m above MSL (as per google imagery). The Committee also observed eleven shortcomings of the proposal. The Committee directed the Proponent to submit application for approval of ToR for conducting EIA study. The 134th meeting of the SEIAA, based on the request of the project proponent dated 06.10.2022, referred the proposal back to SEAC to examine the request of the project proponent and provide final recommendation.

The Committee perused the request of the Proponent and RQP dated 6.10.2023 as per the direction of the Authority. As per the request and documents attached, it is observed that there is another quarry of area 4.9005 within 500m of the proposed quarry of area 4.5622. The said quarry is having environmental clearance, but is not working currently as the Hon. High Court has stayed its operation as per the interim order dated 13.4.2018 in WP(C) 4022 of 2017. The order was issued while considering an appeal No. WA. No. 924/2018 on 29.5.2023 against the order. In the circumstance, the Committee is of the opinion that there is

cluster situation warranting EIA study. The Committee arrived at the decision to direct the Proponent after scrutiny of the application and documents submitted by the Proponent and after hearing him during the presentation in the 148th meeting. Therefore, there is no procedural lapse as stated by the PP and the RQP in their representation. Further, the RQP and the PP informed that the EIA and EMP study is at its final stage. If so, it is against the norms as it is not based on the ToR issued. The Committee, once again considered these details and discussed the proposal and observed that the proposed area is in very steep slope and engulfed in high-hazard zone at a distance of around 13m and is having an elevation difference of 570m to 670m above MSL on the steep slope of a hill with maximum elevation of about 725m above MSL (as per google imagery). There is also cluster condition. **Therefore, the Committee decided to request the Authority to direct the Proponent to submit application for ToR for conducting EIA study and follow the stipulated procedures.**

Item No.8 Environmental Clearance for the Granite Building Stone Quarry of Sri. Dileep Kumar for an area of 0.9956 Ha at Survey Nos: 372/1A/3/8/8, 372/1A/4/9/11 in Kottappady Village, Kothamangalam Taluk, Ernakulam. (Evaluation Report Received)
(SIA/KL/MIN/414973/2023, 2237/EC3/2023/SEIAA)

Decision: The Committee verified the proposal with all the documents and observed that the presentation was done in the 148th SEAC meeting. The life of mine is 3 years. The nearest building is at 52.5 m. The Thateekkad Wild Life Sanctuary is at 6.04 km. The proponent submitted application for Wild Life Clearance. The project cost is 1 crore. The site does not fall in landslide hazard zone. **After due appraisal, the Committee decided to recommend EC for the mine life of 3 years subject to the following specific conditions in addition to the general conditions:**

1. The depth to water table is 3m bgl and hence the mining should be limited at 65m msl.
2. Compensatory afforestation need to be done from the first year itself with indigenous species. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR
3. The rubber trees (around 159 nos.) and other trees in the buffer zone should be protected.

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. Measures to utilize maximum Solar energy to meet the power requirement shall be adopted.
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. The proof such as geo-tagged regarding the activity and the compensatory afforestation shall be submitted along with HYCR

Item No.9. 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 examined the proposal and the decision of the 134th meeting of SEIAA. The 149th meeting of SEAC recommended rejection of the application considering the minimum distance criteria as a house was found at 15 m from the project boundary. Now the project proponent submitted a letter dated 26.09.2023 requesting to reconsider the proposal as per O.M No.L-11011/47/2011-IA.II (M) dated 24.06.2013 of MoEF & CC. Therefore, the Authority decided to refer the proposal back to SEAC for reconsideration in the light of the OM dated 24.06.2013. The PP has requested to issue EC by limiting the depth to 2m. **Based on detailed discussion, the Committee decided to recommend EC for the mine life of 1 year by limiting the depth of extraction to 2m BGL 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 15m from any civil structure should be kept from the periphery of the project area.
11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)

Item No.10 Environmental Clearance for 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. (SIA/KL/MIN/415821/2023, 2222/EC1/2023/SEIAA)

Decision: The Committee examined the proposal and the direction of the SEIAA in its 134th meeting. The Authority observed that being a large laterite quarry, in addition to top soil, about 30% of the total production will be disposed as waste. The top soil and the laterite waste has to be dumped properly on the down side of the quarry with protective wall which is not mentioned in the proposal. The Authority referred back the proposal to re-examine the above aspects and to suggest suitable mitigation measures to avoid the drainage of waste/topsoil and run off water to nearby wells and fields. **The Committee decided to get detailed plan/ documents from the project proponent to address the above observation of SEIAA.**

Item No.11 **Environmental Clearance for Laterite (Building Stone) Quarry of Sri. Abdu Rasak for an area of 0.9400 ha at Block No 25, Re-Survey Nos: 7/2-10, 7/2-9, 7/2-8, 7/2-16, 7/2-17 in Koppam Village, Pattambi Taluk, Palakkad. (SIA/KL/MIN/415955/2023 , 2221/EC1/2023/SEIAA)**

Decision: The Committee examined the proposal and the direction of the SEIAA in its 134th meeting. The Authority observed that being a large laterite quarry, in addition to top soil, about 30% of the total production will be disposed as waste. The top soil and the laterite waste has to be dumped properly on the down side of the quarry with protective wall which is not mentioned in the proposal. The Authority referred back the proposal to re-examine the above aspects and to suggest suitable mitigation measures to avoid the drainage of waste/topsoil and run off water to nearby wells and fields. **The Committee decided to get detailed plan/ documents from the project proponent to address the above observation of SEIAA.**

Item No.12 **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 examined the proposal and discussed the report of the field inspection conducted on 29.10.2023. The Committee noted that proposed area is located on the lower flank of a hillock having moderate slope at the southern part and steep slope at the northern part of the proposed project area and more than 50% of the proposed project area falls in moderate hazard zone in continuation with high hazard zone. The area is rich in biodiversity. The approach road is narrow and rugged. The baseline monitoring data submitted is of 2017. The Committee noted the following shortcomings for further appraisal:

1. Recent Cluster Certificate from the M& G Department.
2. Non-assignment certificate
3. Recently certified legible survey map showing the structures within 200 m radius.
4. Geotagged photographs of the boundary pillars marked with co-ordinate values
5. Clarification on the abandoned building located near BP 12.
6. Plan for approach road development.
7. Recent baseline monitoring data of environmental quality for non-monsoon period
8. Detailed CER proposal as per the guideline published in the SEIAA website.

9. Site specific EMP and mitigation measures with adequate budget and incorporating the CER.
10. Depth to water table in the nearest dug well along with geotagged photograph of the observation well and distance to it.
11. Map showing the location of OB dump and proposal for protection of the same.
12. NOC from the District Level Crisis Management Committee for mining.

The Committee decided to invite the proponent for presentation. The PPT shall address the above said shortcomings

Item No.13 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Cheriya Vilappinakath Siyad, for an area of 0.0971 Ha at Block no. 138, Re-Survey No: 362/29 in Chuzhali Village, Taliparamba Taluk, Kannur
(SIA/KL/MIN/424608/2023, 2249/EC4/2023/SEIAA)

Decision: The Committee examined the proposal and the direction of the SEIAA in its 134th meeting. The Authority observed that as per mining plan the mineable reserve is 17710 MT, which is unrealistic and very high. In all other projects of same area, the mineable reserve is less than 10,000 MT. For the mining of such a quantity, the depth of mining shall go around 8 to 10 m and after leaving the berm the depth of excavation may be still high, which is not acceptable. The Authority referred back the proposal to re-examine the above aspects **The Committee decided to direct the Proponent to submit detailed plan/ documents/clarification to address the above observation of SEIAA.**

Item No.14 Environmental Clearance for Building Stone Quarry project of Sri. Sreejith S.S., Managing Partner of M/s VSC Villaments 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, Kerala for an area of 2.700 hectares.
(SIA/KL/MIN/426206/2023, 2261/EC1/2023/SEIAA)

Decision: The Committee decided to defer the proposal for further appraisal in the next meeting.

Item No.15 **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 examined the proposal and discussed the report of the field inspection carried out on 29.10.2023. The Committee noted that the Brahmagiri WLS is located at 2.05 km from the proposed area. The life of mine as per the application is 10 in whereas it is entered as 12 years in the FIR due to oversight. There are two abandoned quarry pits located at south western part of the proposed area. The slope is moderate to steep. There are old abandoned building and abandoned heavy duty vehicles at the norther part of the project area. There are boulders spread over the central part of the area. The committee perused the details given in the application, field inspection report, land fragility aspects based on interpretation of Google image, climatic variability data, vegetation details, landform characteristics etc. The proposed area is in moderate hazard zone and very close to high hazard zone. **Considering the environmental sensitivity and land fragility aspects of the proposed area, the Committee decided that it is important to invoke Precautionary Principle as the protection of the environmental integrity of the region is much more important than the mining activity. Therefore, the Committee decided to recommend rejection of the proposal invoking Precautionary Principle**

Item No.16 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Asees Kadakkadan for an area of 0.5827 Ha at Sy. Nos. 458/2, 3 in Ponmala Village, Tirur Taluk, Malappuram. (Old Proposal No. SIA/KL/MIN/194573/2021) (SIA/KL/MIN/436541/2023, 1889/EC6/2021/SEIAA)**

Decision: The Committee examined the proposal and the decision of the 134th meeting of the SEIAA. The Authority observed that the Committee in its 148th meeting decided to recommend EC for one year with certain additional Specific Condition in addition to the General Conditions stipulated by SEIAA. But mine life as per approved mining plan is 3 years. The Authority refer back the case to SEAC for relooking the validity period of EC considering the mine life mentioned in the approved mining plan and to make fresh recommendation. **The Committee, on verification of the proposal and attached documents, realized that it was a mistake to recommend EC for one year due to**

oversight. Based on discussion, the Committee decided to recommend EC for the mine life of 3 years subject to the same specific conditions stipulated in the 127th SEIAA meeting.

Item No.17 **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 examined the proposal and discussed the report of the field inspection conducted on 27.11.2023. The Committee observed that the Wayanad WLS is 5km, Bandipur WLS is 1.44km and Nagarhole WLS is 1.63km from the proposed area. There are three nearby houses along the boundary between BP-1 to 2 and the PP has not provided proof of application submitted to NBWL for Wild Life Clearance. The EMP shall include specific plan for developing the mined-out area as water harvesting structure at the time of closure and probable plan for utilizing the harvested water. The same shall be included in the Mine Closure Plan also. **The Committee decided to invite the Proponent for presentation.**

Item No.18 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Benny Abraham, Managing Partner, M/s. Amayoor Granites for an area of 3.6733 Ha at Re-Sy Block No: 2, Re-Sy. No: 33/8-2, in Pattambi Village and Re-Sy Block No: 24, Re-Sy. No's. 314/5 & 314/6 in Koppam Village, Pattambi Taluk, Palakkad**
(SIA/KL/MIN/440361/2023, 2184/EC1/2023/SEIAA)

Decision: The Committee examined the proposal and discussed the report of the field inspection conducted on 16.11.2023. The mineable reserve is 12,60,199 MT and mine life is 12 years. The site is characterized by thick soil cover varying from 1.5m to 2m and therefore, extreme care should be taken during its removal. The site elevation varies from 102m to 170m above MSL and after mining the elevation vary from 90m to 160m above MSL. The nearest house is at 205m. Considering the cluster condition, EIA study has been carried out. The area proposed for mining is located in a steep terrain and site at places is more than 30 degrees, interspersed with trees (mostly rubber) and shrubs and the density of trees is comparatively high in the area. The MES College of Arts & Science, Pattambi is located at a

distance of 500m. The Committee noted that the following details/documents are required for further appraisal.

1. Revised CER incorporating measurable targets as per the guideline published in the SEIAA-Kerala website
2. As per records submitted, both OB dumping site (0.6761 ha) and compensatory afforestation site (1.44 ha) is shown as located in Sy.No. 314/5 of Koppam Village, on the northern side of project area. Part of project area is also falls in the same Sy.No. This requires clarification.
3. Consent letter from the land owner for dumping OB and for carrying out compensatory afforestation
4. Consent from the quarry pit owner for drawing water for daily use
5. Legible copy of already uploaded Non-Assignment Certificate.
6. As per the drainage plan, channels are located only towards the northern side. Considering the topography of the project site, directions of the drainage channels are required towards other directions also, especially towards south & south-western direction. This has to be properly addressed and submitted.
7. Revised site specific EMP incorporating anticipated impacts of soil erosion and drainage issues along with incorporating revised CER. Also incorporate the recommendations and suggestions of additional studies carried out.
8. The location proposed for compensatory afforestation in the EIA is not suitable as it already have high vegetation density. Therefore, alternate compensatory afforestation plan along with geotagged photographs and species recommended is required.
9. Plan for energy conservation measures
10. Study report on Landslide proneness

The field inspection report suggested certain specific conditions. **Based on discussions, the Committee decided to invite the Proponent for presentation. The presentation shall address the details of all the above observations.**

Item No.19 **Environmental Clearance for the mining of China clay by the Kerala Ceramics Ltd. for an area of 1.6900 Ha at Re Survey Block No. 10, Re-Survey Nos: 386/9-2, 386/10-2, 386/10, 386/21-2, 387/11, 387/13, 387/14, 387/16, 387/18, 387/18-2-2, 387/25, 387/26, 387/27, 387/28, 387/29, 387/35, 387/36, 387/37, 387/38, 387/39 and 392/1-2 in Perayam Village, Kollam Taluk, Kollam District, Kerala**
SIA/KL/MIN/455763/2023, 2481/EC1/2023/SEIAA

Decision: The Committee examined the proposal in detail and decided to invite the Proponent for presentation.

PART- 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 **Environmental Clearance for the Proposed City Side Developmental Project of M/s Adani Airport Holdings Limited at Pettah Village, Thiruvananthapuram**
(SIA/KL/INFRA2/404656/2022, 2140/EC1/2022/SEIAA)

Decision: The committee examined the proposal and additional documents submitted. The Proponent has not submitted the additional documents as sought in the 147th SEAC meeting and then in 150th SEAC meeting. The Committee noted that the Proponent is repeatedly submitting the additional document sought without considering the relevant guidelines and adequate details. **Therefore, the Committee decided to give one more final chance for the Proponent to submit detailed CER plan as per norms along with following documents as sought in the 147th meeting:**

1. NOC from the KWA and Thiruvananthapuram Corporation for the establishment of Rendering plant at the Sewage Treatment Plant, Muttathara.
2. The technical details of the Rendering plant, its implementation plan and requirement of capital and recurring cost etc. are to be provided in detail along with stakeholder consultation details.
3. Examine the suitability of the location for installation of such a plant considering the fact that the proposed site falls in the flight landing corridor of the airport.

Item No.2 **Environmental Clearance for the Commercial Building of Sri. Saidalavi at Block No:001, Resurvey Nos 27/10-109, 27/10-110, 27/10-111 in Kuruva Village, Perinthalmanna Taluk, Malappuram. (FIR Received)**
(SIA/KL/INFRA2/444437/2023, 2419/EC1/2023/SEIAA)

Decision: The committee examined the proposal discussed the report of the field inspection conducted on 26.11.2023. During the field inspection, it is observed that the Proponent propose to remove 44191.88m³ soil and transport the same. The Committee noted the requirement of the following additional documents for further appraisal.

1. Safe yield and sustainability characteristics of the source of water as the project proposes to draw 24 KLD of groundwater from an existing borewell during the operational phase
2. Clarification on Compensatory Afforestation Plan with geotagged photographs of the area, consent of the land owner, if the land does not belong to the PP and ownership details of the land and species proposed to be planted.
3. Clarification regarding the utilization of the soil proposed to be removed from the proposed site.
4. Details of the facilities proposed to be provided to the labours as per norms during the construction phase
5. Site specific EMP with mitigation measures and budget
6. Revised CER as per the guidelines uploaded in the SEIAA website
7. Detailed drainage plan.

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

Item No.3 **Application for Environmental Clearance for the Granite Building Stone Quarry of Sri Sudheesh. A. T for an area of 2.1069 Ha. at Re-Survey Block No. 36, Re. Survey No. 354/2, 354/4, 354/5, 356/2pt in Edavaka Village, Mananthavady Taluk, Wayanad.**
SIA/KL/MIN/159489/2020, 2120/EC2/2022/SEIAA

Decision: The committee examined the proposal and discussed the report of field inspection conducted on 27.11.2023. The proposed average production is 63,655.4 TPA and the life of mine is 9 years. The nearest house is at a distance of 73m. The highest elevation is 761.6m above MSL and the lowest elevation is 733.3m above MSL. The depth to the water table is 702 m AMSL. A church is located at around 200m. It is observed that the proposed area is at

a distance of 8.3 km from Kottiyoor WLS and the Proponent has submitted application for WLC to SCNBWL. It is noted that the site proposed for compensatory afforestation is suitable, the soil thickness at the site is around 2-2.5m, depth to water table is 4m bgl at 706m above MSL and depth of mining should be limited considering the depth to water table. The Proposal was presented in the 148th meeting of the SEAC. **Based on discussion, the Committee decided to direct the Proponent to submit the following additional documents.**

1. Plan for OB dumping site and it's protection measures
2. Modified Compensatory afforestation plan with consent of the land owner if the land does not belong to the PP with geo-tagged photographs of the area and species proposed for planting
3. Drainage plan with maximum number of siltation ponds
4. Site specific EMP with mitigation measures and budget
5. Modified CER as per the guideline uploaded in the SEIAA website
6. Sanitation and waste management plan
7. Plan for rain water harvesting
8. Plan for energy conservation measures

Item No.4 Environment Clearance for the Granite Building Stone Quarry project of M/s. Irikkur Rocks Products Private Limited, for an area of 4.8404 Ha. at Block No. 83, Re-Sy. No. 4, in Eruvessy Village, Thaliparamba Taluk, Kannur.

(SIA/KL/MIN/214224/2021, 1900/EC4/2021/SEIAA)

Decision: The committee examined the proposal and the additional documents submitted. Based on detailed discussion, it is decided to conduct a field level verification to assess the feasibility of the plans/activities proposed as per the additional documents. The Committee decided to entrust a larger team consisting of **Sri. V. Gopinathan, Dr. A.N. Manoharan, Dr. A.V. Raghu and Dr. R. Ajayakumar Varma** for the evaluation of the additional documents submitted, field verification and report.

Item No.5 Environmental Clearance for Granite building stone quarry of Sri.C.H Sakkariya, President, Mannarkkad Taluk Karinkal Quarry Operators Industrial Cooperative Society Ltd for an area of 0.9741 Ha at Re Survey No. 70/10, 70/16, 242/15 in Pottassery-I Village, Mannarkkad Taluk, Palakkad, Kerala

(SIA/KL/MIN/263015/2022 , 2024/EC1/2022/SEIAA)

Decision: The committee examined the proposal and the additional documents submitted. It is noted that the project proponent has submitted the latest baseline environmental quality data from a NABL accredited lab. The total mineable reserve is 219693 MT (44,000 TPA) and mine life is 5 years. The Silent Valley National Park is at 8.0 Km. The highest and lowest elevation is 115 m and 105 m respectively. Considering the depth to water table, the depth of mining should be limited to 95 m AMSL. The hazard zone is at 4.1 km and the medium hazard zone is at 930 m. The nearest house is at 121.9 m. The total project cost is 1 crore. The field inspection was done on 28.09.2022 and the proposal was presented before the Committee in its 140th meeting. The PP has submitted NOC from the Irrigation Department. As per the letter of the WL Warden, Mannarkkad Divison dated 16.06.2023, it is stated that the proposed area is 10.60 km from the core area of the WLS and 4. 82km from the buffer zone of the Silent Vally National Park. **Based on discussion, the Committee decided to recommend EC for a mine life of 5 years subject to the following Specific Conditions in addition to the General Conditions and also subject to the acceptability of the distance norms for ESZ based on the letter from the WL Warden, Mannarkkad:**

1. Depth of mining should be limited to a maximum of 95m above MSL
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. Development of green belt with indigenous species should be initiated prior to the commencement of mining.
4. Channel way should be developed as per the plan submitted for over flow water from the siltation pond to the natural stream prior to the commencement of mining
5. Haulage Road should be developed prior to the commencement of mining.
6. Compensatory afforestation should be done from the first year itself with indigenous species. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR

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. 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. Measures to utilize maximum Solar energy to meet the power requirement shall be adopted.
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. The proof such as geo-tagged photographs regarding the activity and the compensatory afforestation shall be submitted along with HYCR

Item No.6 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Abdul Rasheed. K for an area of 0.9498 Ha at Survey Nos.1/1A in Pulamanthole Village, Perinthalmanna Taluk, Malappuram.**

(SIA/KL/MIN/282125/2022, 2106/EC6/2022/SEIAA)

Decision: The committee examined the proposal and additional documents submitted. The proposal is for extracting total mineable reserve of 1,19,421 MT 6,60,160 MT (Average annual production 23884 TPA). The mine life is 5 years. The distance to the moderate hazard zone is 625m. The project cost is Rs.150 Lakh. The depth to water table is 15m bgl as per application and 6m bgl as per the additional documents submitted. The ultimate mine depth proposed is 95m above MSL. The Proponent submitted all the additional documents and they are satisfactory except the revised EMP. The Committee sought revised EMP for which the Proponent submitted only a revised budget estimate for EMP. **Therefore, the Committee decided to direct the Proponent to submit revised EMP based on the anticipated environmental impacts and required mitigation measures.**

Item No.7 **Environmental Clearance for the Granite Building Stone Quarry project of M/s. Pala Metals and Sands Pvt Ltd, for an area of 9.6560 Ha.(23.8599Acres) at Re – Survey Block No.34, Re -Sy.No. 126/1, 128/1, 128/1-1, 128/2, 128/3,128/3- 1, 128/3-2, 128/4, 129/4, 126/2, 126/5, 127/2, 132/8,129/1, 129/1-1, 129/2, & 129/3 in Bharananganam Village, Meenachil Taluk, Kottayam, Kerala**

[SIA/KL/MIN/36040/2019, 1374/EC2/2019/SEIAA]

Decision: The Committee examined the proposal and additional documents submitted. There are certain shortcomings in the documents submitted and therefore necessitates clarification from the project proponent. **Hence the Committee decided to invite the Proponent for presentation of all the additional documents sought and submitted.**

Item No.8 **Environmental Clearance for the Laterite building stone quarry of Sri. Abdul Vahid A. T for an area of 0.6637 Ha at Re-Survey No-54/1B (71) in Kuttikkattur Village, Kozhikode Taluk, Kozhikode**

(SIA/KL/MIN/404425/2022 , 2149/EC4/2022/SEIAA)

Decision: The Committee examined the proposal and evaluated the additional documents submitted by the project proponent. The additional documents submitted are found

satisfactory. The total mineable reserve is 1,99,875 MT (40,000 MTA) and the mine life is 4 years. The nearest house is at 118m and the depth to water table is reported as 8m bgl.

The Committee decided to recommend EC for the mine life of 4 years subject to the following Specific Conditions in addition to the General Conditions:

1. Adequate protective measures should be adopted to prevent soil erosion, siltation and dust emission in the steeply sloping western side of the project site, having a place of worship at a distance 118m from the project site (BP1).
2. The excavation activity associated should not involve blasting.
3. The excavation activity should be restricted to 2m above the ground water 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 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 emission by covering of 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 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 proposed excavation.
11. A minimum distance of 50m from any civil structure should be kept from the periphery of the excavation area.
12. Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary.
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 drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented as per norms
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.9 **Environmental Clearance for the Granite building stone quarry of Shri. Cherian K Jose, Managing Partner, M/s. St. Jude Granites for an area of 3.2083 Ha. at Re-Sy Block No: 8, Re-Sy. Nos: 254/3-1, 254/4 & 257/1, Kumaramagalam Village, Thodupuzha Taluk, Idukki**
SIA/KL/MIN/406820/2022, 2211/EC3/2023/SEIAA

Decision: The Committee examined the proposal and the additional documents submitted. The additional documents are found satisfactory. The Proponent also submitted the CCR from the IRO, MoEFCC, Bangalore. Based on discussion, **the Committee decided to entrust the team of Dr. R. Ajayakumar Varma and Dr. Mahesh Mohan to conduct field inspection and submit report.**

Item No.10 **Environmental Clearance for the Building Stone Quarry project of Sri. Nissamudeen K. S for an area of 3.1424 Ha at Survey No.s 568/2-2, 569/1-4, 569/1-2,1-3,1-5,1-6 in Thirumarady Village, Muvattupuzha Taluk, Ernakulam.(FIR Received)**
(SIA/KL/MIN/407128/2022, 2154/EC3/2022/SEIAA)

Decision: The Committee examined the proposal and discussed the report of the field inspection carried out on 3-11-2023. The mineable reserve is 9,47,805 MT and life of mine is 10 years. The nearest house is at 63m. The site does not fall in landslide hazard zone. The pre-mining elevation of the site varies from 221m to 145m above MSL and the post mining elevation varies from 210m to 130m above MSL. The Committee noticed that as per the Certified Compliance Report (CCR) dated 7-7-2023, the proponent complied with most of the EC conditions. However, regarding the EC condition 17, the CCR noted that Proponent was operating the quarry with 6 mining permits and it was seen that benches were not properly maintained except at certain portions where 3-4 benches are seen. The CCR also stated that the quarries were regularly inspected by the Mining & Geology Dept and penalties were levied and damages recovered for non-compliance of approved Mining Plan. The CCR also stated that the latest monitoring report of District Geologist is not available and, in some areas, PP started mine reclamation works and in 4 reclaimed benches plantations are seen. Regarding the EC condition 40, the CCR stated that the PP extracted a total quantity 3,30,304 tons of material during the period 2017-22 through 6 mining permits after the receipt of EC which is well within the permitted production capacity. Regarding the direction of SEAC to submit the revised mining plan, the proponent submitted that the procedures of getting LOI, preparation of Approved Mining Plan and EC proceedings are time consuming and they be

allowed to follow the production plan as per the current approved mining plan for a period of first 3 years. As per the proposed production plan, after three years, the mining will reach up to a distance of 17.5m from the existing pit and the benches will be formed along the same area from the existing level of RL 216m AMSL to RL of 200m AMSL after the 3 years of production. The PP also ensured that within the provided 3 years, appropriate measures will be taken to rectify the problem of existing high wall. The Committee observed that (i) it is difficult to maintain greenbelt in the buffer area adjoining the old quarry owned by the proponent, (ii) the two open wells proposed to be constructed as part of CER is not complied, (iii) the details of compensatory afforestation plan is not provided, (iv) the survey sketch is not legible and (v) the groundwater details provided are inadequate to decide on the impacts of mining on groundwater in the project area. **Based on detailed discussion, the Committee decided to direct the Proponent to submit the following additional documents:**

1. Detailed compensatory afforestation plan along with geotagged photograph of the proposed site, ownership details of the site and species proposed to be planted.
2. Reason for not complying with the CER commitment of the earlier EC and plan for its compliance
3. Depth to water table in the nearest dug well along with geo-tagged photographs of the well and distance to it from the project boundary
4. Legible survey sketch along with distance to all the built structures within 200m of the project boundary
5. Clarification from the Mining & Geology Department regarding the area of the quarry mentioned in the Cluster Certificate dated 20.11.2020 and whether the quarry mentioned in the certificate as 'Not working' is actually closed as per mine closure plan.
6. Authenticated certificate from the Mining & Geology Department regarding the quantity of resource extracted from the adjacent quarry during the period 2017-22 as the CCR from IRO, MoEFF&CC, stated the extracted quantity as 3,30,304MT based on available estimates to them.
7. Revised site-specific EMP with details of site specific mitigation measures and costing
8. Revised CER as per the guidelines uploaded in the SEIAA website
9. Location of the sites where two open wells will be constructed as part of CER
10. Details of protective measures to be adopted with respect to the abandoned quarry pit sharing border with the proposed project

11. Details of the proposed energy saving measures
12. Road development plan
13. Affidavit regarding the request of the Proponent to limit the life of mine to 3 years and commitment of revising the mine plan within 3 years.

Item No.11 **Environmental Clearance for Granite Building Stone Quarry of Sri. George K Vallamattam, Managing Partner, M/s Malabar Stone, for an area of 3.4763 Hectares at Sy. Nos. 123/1805, 123/1816, 123/1826, 123/1994 & 123/ 2150 in Thinur Village & Survey Nos. 116/31, 116/32, 116/33, 116/34, 116/35, 116/36, 116/43 & 116/44 in Narippatta Village, Vadakara Taluk, Kozhikode**
(SIA/KL/MIN/407396/2022, 2195/EC4/2023/SEIAA)

Decision: The Committee examined the proposal and discussed the report of field inspection conducted on 26.11.2023. The Committee noted that the proposal was presented in the 146th SEAC meeting. The mineable reserve is 10,77,300 MT. The project cost is Rs. 3.0 Crores. The life of mine is 10 years. The depth to water table is reported as 5m bgl. The pre-mining elevation of the site vary from 240m to 155m above MSL and post-mining elevation vary from 235m to 150m above MSL. A portion of the site falls in medium hazard zone. During the field visit the sub-committee noticed that slope is moderate to steep towards southwest and the approach road need to be developed. The soil thickness is moderately deep. **Based on discussion, the Committee decided to direct the project proponent to submit the following additional documents.**

1. Compensatory Afforestation Plan along with geotagged photographs of the proposed sites, ownership details of the proposed site with proof and species details proposed to be planted
2. Suitability of the site for post mining harvest and conservation of water considering the slope of the site and hydrogeological features.
3. Additional measures proposed for the generation and use of solar energy
4. Detailed road development plan
5. Revised drainage plan in detail
6. Revised CER as per guideline uploaded in the website of SEIAA.
7. OB dump site and proposed protection measures along with ownership details of the site

8. Approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014 as the site falls in the moderate hazard zone.

Item No.12. **Environmental Clearance for the Granite Building Stone Quarry project of M/s. P. J. Associates, (Represented by its Managing Partner, Sri. Pious Antony) at Re-Survey Nos: 93/1, 94/1, 95/1, 95/1- 1, 95/2, 95/2-1, in Lalam Village, Meenachil Taluk, Kottayam**
(SIA/KL/MIN/410881/2022, 2186/EC3/2023/SEIAA)

Decision: The committee examined the proposal and decided to defer the item for detailed scrutiny in the next meeting.

Item No.13 **Environmental Clearance for the Granite Building stone quarry of Sri. Muhammed K. P for an area 1.0545 Ha at Re Survey No. 325/11,332/5,332/11,332/10,332/3,332/1-1, Block No.29 in Kavanur village , Ernad Taluk, Malappuram. (Additional Documents Received)**
(SIA/KL/MIN/410913/2022, 2215/EC/2023/SEIAA)

Decision: The committee examined the proposal and decided to defer the item for detailed scrutiny in the next meeting.

Item No.14 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri.Shaji.P for an area of 1.3153 Ha at Re Survey nos. 242(981), 242 (982), 242 (930) in Valayam Village, Vatakara Taluk, Kozhikkode.**
(SIA/KL/MIN/411362/2022, 2344/EC2/2023/SEIAA)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 26.11.2023. The total mineable reserve is 10,93,092 MT with an annual production of 91091 MTA. The life of mine is 12 years. Nearest house is at 242.6 m. The highest elevation of the site is 160 m above MSL and lowest is 115 m above MSL. The total project cost is Rs.1.43 crore. The slope is moderate to steep. The soil thickness varies up to 2.5m. The access road need development. **Based on discussion, the Committee decided to direct the project proponent to submit the following additional documents.**

1. Depth to water table measured in the nearest open well to the site with geotagged photographs of the well and distance to it from the project site.

2. Site specific EMP along with mitigation measures and budget.
3. Compensatory afforestation plan with geo-tagged photographs, species details and the ownership details of the proposed area
4. Details of the source of water for the quarry operations. If the source of water not owned by the PP, a consent letter to this effect should be obtained.
5. Revised CER as per the guideline uploaded in the SEIAA website
6. Details of OB dump site and its location in the map and details of protection measures
7. Detailed plan for access road development

Item No.15 **Environmental Clearance for Laterite (Building Stone) Quarry of Sri. Suhaib Kunnan for an area of 0.9588 at Re-Survey Nos. 7/2-6, 7/2-12, 7/2-13, 7/2-20 in Koppam Village, Pattambi Taluk, Palakkad District, Kerala**
(SIA/KL/MIN/413609/2023, 2204/EC1/2023/SEIAA)

Decision: The committee examined the proposal and decided to defer the item for detailed scrutiny in the next meeting.

Item No.16 **Environmental Clearance for the Laterite building stone quarry project of Sri. Abdu Razak for an area 0.9496 Ha at Sy.No.477/1-1 in Vazhakkad Village, Kondotty Taluk, Malappuram (FIR Received)**
(SIA/KL/MIN/416601/2023, 2228/EC6/2023/SEIAA)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 5.08.2023. The mineable reserve is 99,700MT and life of mine is three years. Project cost is 30 lakh. The site elevation varies from 128m to 150m above MSL. The depth to water table is 90m MSL. BP3 and BP4 lies within moderate hazard zone. The high hazard zone is beyond 13.09Km from the proposed area. Based on discussion, the Committee decided to direct the project proponent to submit the following additional documents:

1. No Objection Certificate from District level Crisis Management Committee as the project lies in moderate hazard zone.
2. Litho-log of the site indicating the geological section with depth parameter
3. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it

Item No.17 Environmental Clearance for Building Stone Quarry project of M/s SSC Project, for an area of 0.9981 hectares at Block No. 41, Re-Survey Nos. 235/5, 239/3-1, in Kooroppada Village, Kottayam Taluk, Kottayam. (SIA/KL/MIN/417759/2023, 2234/EC3/2023/SEIAA)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 09.11.2023. As per the mining plan the mineable reserve is 1,56,513 MT. The mine life is 3 years. The project cost is Rs. 3.83 Crores. The highest and lowest elevations are 100 m AMSL to 82 m AMSL respectively. The ultimate depth of mine proposed is 70m above MSL. The depth to the water table is reported as 65 m above MSL. The Committee observed that the depth of mining will have to be limited as per the depth to water table. **The Committee decided to direct the project proponent to submit the following additional documents.**

1. Plan for preventing pollution of the water body adjacent to the site in the downstream side
2. Plan for compensatory afforestation with location details, geotagged photograph of the proposed site, species details and ownership details of proposed land
3. Detailed drainage plan considering the water bodies in the upstream and downstream regions.
4. Depth to water table in the nearest dug well along with geo-tagged photographs of the well and distance to it.
5. OB dump plan with suitable protection measures
6. Revised EMP with site-specific mitigation measures and detailed budget.
7. Plan for water harvesting and its utilization
8. Energy conservation measures
9. Plan for protection of endemic fauna (like the butterfly “Southern Birdwing (Triodes minos Cramer)”) and flora reported in the biodiversity report and also for developing muddy spot for mud puddling butterflies at the appropriate spot.
10. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary

Item No.18 **Environmental Clearance for the Granite Building stone quarry of Sri.Ashok Mathai Alexander, M/s.Highrange Granite Industries for an area of 4.5000 hectares at Sy.Nos.431 Part and 442 Part, in Kokkayar Village, Peerumade Taluk, Idukki**
SIA/KL/MIN/422372/2023, 2262/EC3/2023/SEIAA

Decision: The committee examined the proposal and discussed the field inspection reported conducted on 08.11.2023. The mineable reserve is 13,71,530 MT and the life of mine proposed is 12 years. The depth to water table is 6m bgl. The site elevation varies from 235m to 305m above MSL. The nearest house is at 186m. A crusher is located at a distance of 30m. The mining is extension of an old quarry. The proposed site does not fall in landslide hazard zone but is located in an ESA village. The Committee observed that the proposed site extends from the mid-slope region (240m above MSL) to the summit (305m above MSL) and then extend to the side slope of the hill on the west side (290m above MSL). The portion of the proposed site from the summit (305m above MSL) to the west up to the proposed project boundary (up to 290m above MSL) is moderately sloping. Further to the west of the proposed site is very steep and the slope continues up to the river. This portion of the land outside the proposed site falls in moderate hazard zone. The soil thickness in this portion of land is also high. Therefore, the desirability of mining beyond the summit portion needs careful consideration. The Proponent obtained site assessment by the Hazard Analyst, Idukki District and it shows that the site is not within the hazard zone (19.12.2022). The Report of the Geologist on the landslides in the Kokkayar Village shows that the slides occurred on the high slope areas and near to streams of Urumbikkara and Enthayar regions. Most of these slides are in the High and Moderate hazard zones. The present site is 4.5km away from the Urumbi Hills and 5.5km from the Enthayar. The Committee also noted that the top soil removed for the old quarry is dumped on the top side which needs to shifted to a lower portion. The land use of the site is dominated by rubber plantation a portion is occupied by the abandoned quarry. The plant diversity within the proposed area is low and trees other than plantation crops are negligible. The proposed area possesses abundant populations of invasive weeds such as *Clidemia hirta* , *Chromolaena odorata* and *Mucuna bracteata*. There is No RET species or any significant endemic species observed in the core zone. Hence the plant diversity observed in the core zone is insignificant.

Core area does not show signs of a healthy habitat. **Based on discussion, the Committee decided to direct the project proponent to submit the following additional documents.**

1. Plan for limiting the mining on the eastern side of the hill upto the summit of the hill of 305m above MSL by leaving the portion of the proposed site on the western side of the proposed site from 305m above MSL to 290m above MSL.
2. Risk assessment study with special reference to landslide hazard potential of the area with special focus on the western part of the project area extending from the summit to the river stretch having steep slope with moderate hazard zone and its immediate surroundings by an agency of national repute
3. Site specific EMP considering the list of various activities of the project and their impacts and mitigation measures and also the hazard potential of the site as wells considering the environmental sensitivity of the area, especially on the western side slope of the project site falling in moderate hazard zone
4. Certificate of Tahsildhar regarding the exclusion of the survey numbers of the site from ESA lacks details of the nature of land, the nature of possession, and report on natural hazards like landslides, etc. and therefore, submit the required details from the Tahasildar
5. Plan for compensatory afforestation along with geo-tagged photograph of the proposed location, ownership details and species details
6. Detailed drainage plan along with the carrying capacity of outflow channel and natural drain with special consideration to avoid hydraulic pressure on the side slope of the western side of the proposed project site
7. Detailed study on the OB dumping site and the proposed protection measures so as to avoid any untoward incident due to the overburden storage on a sloping terrain.
8. Energy conservation measures.
9. Plan for maintaining a buffer distance of 50m with the crusher

Item No.19 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Binu George for an area of 3 Ha at Block No.49, Survey No. 304 part (Govt. Land) in Parathodu Village, Udumbanchola Taluk, Idukki**
(SIA/KL/MIN/428582/2023, 2263/EC3/2023/SEIAA)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 09.11.2023. The mineable reserve is 12,67,400 MT (8,19,987 TPA) and the mine life is 12 years. The project cost is 1,57,00,000/-. The highest elevation of the lease area is 1106m above MSL and lowest elevation is 1058m above MSL. The medium hazard zone is

at 1.13km from the proposed area. There was a quarry which was working up to 2022. The Environmental Quality data is old beyond 3 years. The EMP is not site-specific with mitigation measures. The site is a high-altitude rocky area with moderate to steep slope and with grass growth in limited patches. An old abandoned quarry is located on the South East side. The proposed area is a sub-tropical grassland and is isolated from human habitation. Such an ecosystem promotes wildlife but the plant diversity is not appreciable though herbaceous flora population is abundant. No RET species or gymnosperms are observed in the area. The density of trees is found low in the proposed site. It is also noted the mining is proposed up to 1050m above MSL which will leave a very deep quarry pond of depth about 20m below the spot elevation of 1070m above MSL. It is not desirable in such a wildlife friendly area. Therefore, it is desirable to limit mining up to 1070m above MSL. As per the mine plan, it is proposed to leave a rock wall adjacent to the abandoned quarry. If mining is limited up to 1070m above MSL, such a wall will not be developed at that location. **The Committee decided that the following additional documents are necessary for further appraisal of the project.**

1. Valid NOC as the one issued on 18.2.2023 is found invalid due to conditions stipulated in the NOC.
2. Site specific EMP considering the hazard potential of the site as well as considering the environmental sensitivity of the area
3. Plan for compensatory afforestation with location, ownership and species details and geo-tagged photographs of the proposed land
4. Closure certificate of the mine located on the south east side
5. Recently monitored baseline environmental quality data as the one submitted is more than 3 years old
6. Plan for fly rock management
7. Detailed drainage plan along with the carrying capacity of outflow channel and natural drain
8. Detailed traffic study covering the roads in 5km radius of the project site and comprehensive traffic management plan
9. Risk assessment study with special reference to landslide hazard potential of the area with special focus on the project area and its immediate surroundings by an agency of national repute
10. Parathode is categorized as ESA village and the proponent has produced certificate from the Tehsildar. But duly signed cadastral level map published in the website of

KSBB demarcating the ESA and non-ESA areas in the village signed by the Tehsildar is not produced. The certificate should include the nature of land, nature of possession and a report on natural hazards like landslides, etc., if any.

11. Proposal for energy conservation measures

Based on discussion, the committee decided to invite the project proponent for presentation.

Item No.20 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Khaja Hussain K.K, M/s Khaja Granites for an area of 1.2506 Ha at Sy.Nos.34/IA-78, 34/1A-79, 34/1A-80 in Kariyavattom Village, Perinthalmanna Taluk, Malappuram
(SIA/KL/MIN/431505/2023, 2299/EC6/2023/SEIAA)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 06.11.2023. The mineable reserve is 3,36,390 MT and mine life is 5 years. The project cost is 1.20 crore. The highest elevation is at 130 m and the lowest elevation is at 115 m. The distance to the high hazard zone is 14.6 km and to the medium hazard zone is 1.7 km. The nearest house is at a distance of 205 m. There is no cluster situation as per the Cluster Certificate dated 05.5.2023. The approach road to the site is newly constructed and is comparatively steep and therefore adequate protection against soil erosion and landslip should be provided by providing appropriate protective walls. The soil thickness at the lower side of the proposed site is around 2m. There is adjacent permit quarry on western side of the proposed one operated by the same proponent till recently which is not yet closed as per mine closure plan. It is also desirable to have protective wall between the boundary pillar BP1 and BP4. **Based on discussion, the Committee decided to direct the Proponent to submit the following additional documents/details.**

1. Compensatory afforestation plan with geo-tagged photographs of the location and ownership details of the proposed land and species (Part of buffer zone consists of exposed rock)
2. Boundary pillars shall be fixed properly and proof submitted
3. Drainage map with details of garland canal, silt traps, outflow channel, connectivity to natural drain etc
4. Location of OB dumping site in the map and protection plan for OB/Top soil dump
5. Map showing haulage road along with details of its width, length and side protection measures

6. Revised EMP incorporating site specific mitigation activities incorporating CER
7. Plan protection wall between BP1 and BP4.
8. Sanitation and waste management details
9. Plan for energy conservation measures along with specifications

Item No.21 **Environmental Clearance for the Laterite building stone quarry project of Mr. Faizal. K. P at Block No.33, Re.Sy.No.67/2 in Kuzhimman Village, Kondotty Taluk, Malappuram. (Additional Documents Received)**
(SIA/KL/MIN/433491/2023, 2303/EC6/2023/SEIAA)

Decision: The committee examined the proposal and decided to defer the item for detailed scrutiny in the next meeting.

Item No.22 **Environmental Clearance for the Laterite building stone quarry project of Sri. Hussain Babu for an area 0.6635 Ha at Sy.Nos.249/2-4, 249/2-15 in Edayur Village, Tirur Taluk, Malappuram. (Additional Documents Received).**
(SIA/KL/MIN/434152/2023 , 2311/EC/2023/SEIAA)

Decision: The committee examined the proposal and decided to defer the item for detailed scrutiny in the next meeting.

Item No.23 **Environmental Clearance for Granite Building Stone Quarry of Sri. Sunil Chandran, Managing Director, M/s. Empire Crushers Private Limited for an area of 1.2784 Ha, at Block No.16, Re-Survey Nos.143/8-1, 143/9-1, 143/9- 2pt, 144/4pt, 144/14pt, 144/15pt in Anad Village, Nedumangadu Taluk, Thiruvananthapuram, Kerala**
(SIA/KL/MIN/434229/2023 , 2307/EC1/2023/SEIAA)

Decision: The committee examined the proposal and decided to defer the item for detailed scrutiny in the next meeting.

Item No.24 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Lakshmanan P. P., for an area of 0.0971 Ha. in Block No. 139 at Survey No: 209/2 in Chuzhali Village, Thaliparamba Taluk, Kannur.**
(SIA/KL/MIN/434404/2023, 2305/EC4/2023/SEIAA)

Decision: The Committee examined the proposal and decided to defer the item for detailed scrutiny in the next meeting.

Item No.25 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Ratheesh P S, M/s Highrange Granites at block no. 52, Re-survey no: 67/1 (Govt. land) in Karunapuram Village, Udumbanchola Taluk, Idukki having an area of 3.38 Ha.**
SIA/KL/MIN/440674/2023, 2386/EC2/2023/SEIAA

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 09.11.2023. The total mineable reserve is 15,46,545 MT. The life of mine is 10 years. The highest elevation of the site is 1060 m AMSL and lowest is 990 m AMSL. The nearest building is at 55.5 m owned by the Proponent and a crusher unit is located at 25 m. The total project cost is Rs. 2.2 Crore. The site is located in the moderate hazard zone and hence requires approval of the District Level Crisis Management Committee. The date of NOC obtained from the Revenue department is now expired and the details of Wild Life Sanctuary/ Protected area within 10 radius is not provided. There is a Wind farm at 115m near to the site. The village in which the site is located (Karunapuram) is an ESA village. **The following additional documents are required for further appraisal of the proposal:**

1. Valid NOC from the Revenue Department for the proposed land
2. Details of Wild Life Sanctuary/ Protected area within 10 km radius of the site and Proof of application submitted for wildlife clearance from National Board of Wild Life, if applicable
3. Approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05-2014 as the proposed area falls in moderate hazard zone.
4. Certificate from a revenue official not below the rank of Tahsildar with duly signed cadastral level map published in the website of KSBB demarcating the ESA and non-ESA areas in the village as Karunapuram is categorized as ESA village. The

certificate should include the nature of land, nature of possession and a report on natural hazards like landslides, etc., if any.

5. Site specific EMP considering the hazard potential of the site as well as considering the environmental sensitivity of the area
6. Plan for compensatory afforestation with geo-tagged photographs of the proposed site, ownership details of the proposed site and species proposed to be planted.
7. Legible surface geological plan with elevation contour
8. Detailed traffic study covering the roads in 5km radius of the project site and comprehensive traffic management plan
9. Risk assessment study with special reference to landslide hazard potential of the area covering 5km radius of the project site with special focus on the project area and its surroundings by an agency of national repute
10. Plan for providing a buffer of 200m between the project boundary and the nearby wind mills
11. Plan for providing a buffer of 50m between the project boundary and the crusher
12. Plan for Flyrock management
13. Detailed Drainage Map
14. Map showing the OB dump along with protection measure for the OB dumping site
15. Energy conservation measures

The Committee decided to invite the project proponent for presentation.

Item No.26 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Mehroof Ali Thahir for an area of 0.9714 Ha at Re-Survey Nos.34/2 (34/206) in Chekyad Village, Vadakara Taluk, Kozhikode.**

(SIA/KL/MIN/449123/2023 , 2424/EC2/2023/SEIAA)

Decision: Decision: The Committee examined the proposal and discussed the field inspection report conducted on 26.11.2023. The total mineable reserve is 101997 MTA with an annual production of 33999 MTA. The life of mine is 3 years. The highest elevation of the area is 151 m MSL and lowest is 132 m MSL. The depth to water table is 8m bgl. The total project cost is Rs.20 lakh. A Buds School is at a distance of 930 m from the project site. **The following additional documents are required for further appraisal of the proposal:**

1. Lithological section of the site

2. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area.
3. Plan for compensatory afforestation with geo-tagged photographs of the proposed site, ownership details of the proposed site and species proposed to be planted.
4. The proposed site for OB dump with measures for protection and its location in the map.
5. Plan for road development

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

Item No.27 **Environmental Clearance for Granite Building Stone Quarry of Sri. Biju M.K for an area of 4.5000 Ha at block no. 46, Re-survey nos. 158/4-3, 158/10, 158/5, 158/6, 158/12-2, 158/7-2, 158/8, 160/18, 160/23-3, 160/23-2, 160/22, 160/20-3-2-2, 164/12, 164/13, 164/1, 164/12-2, 164/2, 164/4-1, 164/5 (patta land), 158/11, 161/pt, 161/pt, 160/17, 160/23 (govt land) in Ittiva Village, Kottarakkara Taluk, Kollam.(FIR Received)**
(SIA/KL/MIN/449132/2023 , 2415/EC1/2023/SEIAA)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 09.12.2023. The total mineable reserve is 22, 06,190 MT and the life of mine is 15 years. The distance to the high hazard zone is 17.4 km and to the medium hazard zone is 7.58 km. The highest elevation of the permit area is 177 m AMSL and lowest is 126 m AMSL. The mine void is 35m with the lowest bench at 90m above MSL. The depth to ground water table is 62m above MSL. A Crusher unit is at 5 m from the boundary. There are buildings at 39.2 m, 62.3m & at 73.7 m owned by the Proponent. The nearest habitation is at 55.3 m and 56 m. The total project cost is Rs.1.75 Crore. The proponent has obtained No Objection Certificates for the government land which is valid up to 10 years from the date of execution of the lease deed for part of the land and the validity ends on 3.4.2024 for other part of the land. The proponent received CCR dt. 16.11.2023 from IRO, MOEF & CC but not submitted to SEIAA. The CCR is satisfactory. The proponent also stated that there is no presence of ground water based on the resistivity study conducted by him. **The following additional documents are required for further appraisal of the proposal:**

1. Certified Compliance Report from the IRO, MoEF & CC
2. Revised Project cost
3. Compensatory afforestation plan along with geo-tagged photographs of the site, ownership details of the proposed land and details of species proposed to be planted

4. Drainage Plan with adequate number of siltation ponds and silt traps
5. Plan for fencing with GI sheets along the boundary between BP-9, 14, 1 for a minimum of 3m height apart from the normal fencing.
6. Plan for maintaining buffer of 50m between the project boundary and the crusher

Based on discussion, the Committee decided to invite the proponent for presentation.

Item No.28 Environmental Clearance for the Granite Building Stone quarry project of Sri. Kaderbabu E.K for an area of 3.4739 Ha at Block No.2, Sy.No.111/4, 111/7, 111/8, 111/2, 111/10, 111/5, 111/6 in Kannamangalam Village, Tirurangadi Taluk, Malappuram.(FIR Received)
(SIA/KL/MIN/47565/2019, 1515/EC3/2019/SEIAA)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 05/08/2023. The total mineable reserve is 10,56,417 MT and the production rate is 88000 TPA. The life of mine is 12 years. The elevation of the site prior to mining varies from 365m to 190m above MSL and post mining it varies from 360m to 185m above MSL. The depth to water table is 20m bgl. The nearest house is at 102m from the project boundary. The project area is mostly within the moderate hazard zone. As there is cluster condition, cumulative EIA was carried out during August 2020-October 2020 and the public hearing was conducted on 24.09.2021 in which 48 people participated. An evaluation of the EIA report was carried out which observed 16 non-compliance with the ToR and 3 non-compliance with the four additional ToR proposed. Based on the evaluation report, the Committee directed the proponent to submit the following additional documents/details and revise the EIA report in accordance with the non-compliances.

1. Revised project cost
2. Revised EMP incorporating site specific mitigation and management measures and adequate budget provision along with environmental monitoring plan and budget for the entire mine life of mine.
3. Recently certified and legible survey map from the Village Officer
4. Drainage map showing connectivity to natural stream
5. Modified CER
6. Detailed Compensatory afforestation plan which includes the geocoordinates and photographs of the proposed site, a list of plant species (trees, shrubs, climbers, etc.), time frame, planting details, and a maintenance plan for the entire life of mine.

7. Impact on air quality using appropriate air quality modelling
8. Landslide proneness study (Impact of the slope stability of the region in and around the project site as desired under additional ToR)
9. Impact of traffic and transportation as desired in the additional ToR
10. Impact of impoundments in the vicinity with focus on breach potential considering the rainfall intensity and magnitude for the last five years as desired in the additional ToR.

The 146th meeting of the SEAC examined the documents submitted by the proponent and observed that the Proponent should submit a compensatory afforestation plan and entrusted a subcommittee for evaluation of documents submitted, field inspection and report. Based on the field inspection report, the **following additional documents are required for further appraisal of the proposal:**

1. Development plan for haulage road
2. Location and details of the OB dumping site including its protection measures
3. Detailed Compensatory afforestation plan along with geo-tagged photographs of the site, ownership details of the proposed site and species proposed to be planted.
4. Approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05-2014 as the proposed area falls in moderate hazard zone.

Based on discussion, the Committee decided to entrust Sri. V.Gopinathan and Dr.A.V.Raghu for evaluation of the revised EIA Report and all the additional documents/details submitted and invited the proponent for presentation.

Item No.29 **Environmental Clearance for the Granite Building Stone Quarry mining project of Sri. P.V Santhosh, for an area of 4.7668 Ha., situated at Survey. No. 279/2, 279/3-1, 279/3-2, 278//1-1, 278/1-3, 278/1-2, 284/2-2, 284/2-3, 284/2-4, 284/2-1 in Mazhuvannoor Village, Block No. 29, Kunnathunad Taluk, Ernakulam (ToR Approved proposal) (FIR Received)**
(SIA/KL/MIN/72018/2019, File No: 1470/EC3/2019/SEIAA)

Decision: The Committee examined the proposal and discussed with the field inspection report. The total mineable reserve is 28,36,420 MT (3,31,285 MTA) and the mine life is 12

years. The depth to groundwater level is 45-47 m above MSL. The highest and lowest elevation are 84 m and 160m respectively. The project cost is 6.2123 crores. During the presentation, the proponent submitted that the depth of mining shall be limited to the period of 4 years to restrict the depth of mining to 50 m above MSL considering the depth to water table without change in production plan given in the Mining Plan. The Committee observed that one of the complaints in the Public Hearing is regarding the severe water scarcity in the surrounding areas due to quarrying. It is noted that part of the buffer zone is currently used as a road. There are 4 buildings/shed within 50 meters, reportedly owned by the proponent. These buildings are planned to be demolished before starting of mining operations. The EMP and CER has been prepared for a period of 12 years and if the period of EC is reduced as submitted by the PP, these may have to be changed. A vertical face of significant height is seen on one side of the proposed project area. **Based on discussions the Committee decided to direct the project proponent to submit the following additional documents;**

1. Sworn affidavit stating that the proponent is agreeable to restrict the mining to 4 years and depth of mining to 50m above MSL as per the production plan given in the mining plan with appropriately reduced total quantity of production.
2. Revised EIA/EMP report as a single document as the 148th meeting of the SEAC noted inconsistencies in the EIA/EMP report (with other documents submitted and different parts of EIA/EMP report). Also, the details asked for ToR 6, 23, 27 have not been provided in full. Moreover, there is also proposal to change the mine life and the ground water scenario have not be incorporated properly in the EMP and CER.
3. Revised site-specific EMP with adequate budgetary provision and specific CER activities based on stakeholder consultation. Also consider the changes in the mine life.
4. Details of the protective measures to be adopted to minimize the impact of mining on the house (of the proponent) located at a distance of 54 m and the people living there.
5. A legible survey map with distance marked to residential buildings and built structures within 200m.
6. Clarification regarding the buildings within 50 meters of the project area
7. Detailed road development plan
8. Non-assignment certificate
9. A compensatory afforestation plan with geo-tagged photographs of the proposed location along with ownership details/consent and species proposed to be planted.

10. Traffic plan prepared in consultation with the neighboring quarries so as to minimize the disturbance to local community.
11. Detailed plan for energy conservation
12. Detailed plan for sanitation and waste management

Item No.30 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri.Jaisal M.P for an area of 3.8323 Ha at Sy.No.269/1-5, 269/1-2, 269/1-3,269/1-4 in Nediirippu Village, Ernad Taluk, Malappuram.**
(SIA/KL/MIN/77965/2019, 1278/EC2/2019/SEIAA)

Decision: The Committee examined the proposal and discussed the field inspection report conducted on 05.08.2023. The total Mineable reserve is 135945 MT (1,00,000 TPA) and Mine life is 13 years. The depth to water table is 30m above MSL and the nearest building is at 261m. About 33% of the project area falls in medium hazard zone. The highest elevation of the proposed area is 100m above MSL and lowest is 30m above MSL. As the proposed area is hillock, the drainage of the lease area is towards West side. The Committee heard the presentation and noted the details of EIA study conducted for the project and the details of public consultation. The Committee decided to refer back the Field Inspection Report to the subcommittee for revising it incorporating the evaluation of EIA report. **Based on discussion, the Committee decided to direct (i) the proponent to submit NOC from District level crisis Management Committee and (ii) the Sub-Committee to revise the FIR incorporating the details of the evaluation of EIA/EMP Report.**

PART-3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Jaimon Joseph, for an area of 0.4236 Ha. at Block No.23, Re-Survey Nos.397/3 in Mulakkulam Village, Vaikom Taluk, Kottayam**
(SIA/KL/MIN/426441/2023, 2411/EC4/2023/SEIAA)

Decision: As invited, the proponent, Sri. Jaimon Joseph and the RQP, Sri. Balaraman was present. The RQP made the presentation with the video of the project area. As per the Mining Plan, the total mineable reserve is 35020 MT. The mine life is 1 year. The project cost is 20

Lakh. **The Committee decided to direct the project proponent to submit the following additional documents.**

1. Revised CER proposal as per norms
2. Site specific Environment Management Plan
3. Depth to water table measured in the nearest open well to the site with geotagged photographs.
4. Geotagged photographs of the project area and its surroundings from all the boundary pillars
5. The distance between the quarry of the nearest building is only 8m. Plan for maintaining the stipulated buffer distance between the building and the project boundary.

Item No.2. Environmental Clearance for the Granite Building Stone quarry of Sri. Jayarajan. V for an area of 0.8881 Ha at Block No-2, Re-Survey Nos. 110/37pt, 110/28pt, 110/29pt, 110/33pt & 110/35 in Pattazhy Vadakkekara Village, Pathanapuram Taluk, Kollam.
(SIA/KL/MIN/429372/2023, 2371/EC1/2023/SEIAA)

Decision: As invited, the proponent, Sri. Jayarajan.V and the RQP, Sri. V.K Roy were present. The RQP made the presentation with the video of the project area. As per the Mining Plan, the total mineable reserve is 209125 MT. The mine life is 3 years. The project cost is 1.23 Crore. The High Hazard Zone is at 15.6 Km and Moderate Hazard Zone is at 8.10 Km. **The Committee decided to direct the project proponent to submit the following additional documents.**

1. Recent survey map showing distance to all the built structures within 200m radius.
2. Proposal for protection measures as a few houses are located at southern side of the project area.
3. Depth to water table in the nearest dug well along with geotagged photograph of the well and distance to it from the project boundary

Item No.3 Environmental Clearance for the Laterite Building Stone Quarry of Sri.Mohammed Faizal for an area of 0.1942 Ha at Block No. 01, Re-Survey No: 210/1A-643 in Irimbilyam Village, Tirur Taluk, Malappuram.

(SIA/KL/MIN/433026/2023, 2375/EC1/2023/SEIAA)

Decision: As invited, the proponent, Sri. Mohammed Faizal and the RQP, Sri. V.K Roy were present. The RQP made the presentation with video of the project area. As per the Mining Plan, the total mineable reserve is 18691 MT. The mine life is 1 year. The project cost is 6,58,900/- Medium Hazard Zone is at 13.9 Km. **The Committee decided to direct the project proponent to submit the following additional documents.**

1. CER as per norms
2. Site specific comprehensive EMP
3. Survey Map indicating the distance to houses and other built structures within 100m
4. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area
5. Signed agreement of all the proponents that they will implement comprehensive EMP combinedly by sharing the expenditure by all the proponents proportionate to land area.

Item No.4 Environmental Clearance for the Laterite Building Stone Quarry of Sri.Hussain for an area of 0.1862 Ha at Block No. 01, Re-Survey No: 210/1A-643 in Irimbilyam Village, Tirur Taluk, Malappuram

(SIA/KL/MIN/433198/2023, 2389/EC1/2023/SEIAA)

Decision: As invited, the proponent Sri. Hussain and the RQP, Sri. V.K Roy were present. The RQP made the presentation with video of the project area. The total mineable reserve is 17921MT. The life of mine is 1 year. A College is situated at 160 m from the project boundary. The total project cost is Rs.6,34,900/- **The Committee decided to direct the project proponent to submit the following additional documents.**

1. CER with specific norms
2. Site specific and Comprehensive EMP
3. Survey Map indicating the distance to houses and other built structures within 100m
4. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area

5. Signed agreement of all the proponents that they will implement comprehensive EMP combinedly by sharing the expenditure by all the proponents proportionate to land area.

Item No.5 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Jabir for an area of 0.6880 Ha at Block No. 01, Re-Survey No: 210/1A-649 in Irimbiliyam Village, Tirur Taluk, Malappuram**
(SIA/KL/MIN/433361/2023, 2390/EC1/2023/SEIAA)

Decision: As invited, the proponent Sri. Jabir and the RQP, Sri. V.K Roy were present. The RQP made the presentation with video of the project area. The total mineable reserve is 66219 MT. The life of mine is 3 year. A College is situated at 160 m from the project boundary. The total project cost is Rs Rs.21.84 lakh. Moderate Hazard Zone at 14 Km. **The Committee decided to direct the project proponent to submit the following additional documents.**

1. CER with specific norms
2. Site specific Comprehensive EMP
3. Survey Map indicating the distance to houses and other built structures within 100m
4. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area
5. Signed agreement of all the proponents that they will implement comprehensive EMP combinedly by sharing the expenditure by all the proponents proportionate to land area.

Item No.6 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Jabir for an area of 0.1942 Ha at Block No. 01, Re-Survey No: 210/1A-643 in Irimbiliyam Village, Tirur Taluk, Malappuram.**
(SIA/KL/MIN/433449/2023, 2391/EC1/2023/SEIAA)

Decision: As invited, the proponent Sri. Jabir and the RQP, Sri. V.K Roy were present. The RQP made the presentation with video of the project area. The total mineable reserve is 66219 MT. The life of mine is 3 years. A College is situated at 160 m from the project boundary. The total project cost is Rs Rs.21.84 lakh. Moderate Hazard Zone at 14 Km. **The**

Committee decided to direct the project proponent to submit the following additional documents.

1. CER with specific norms
2. Site specific Comprehensive EMP
3. Survey Map indicating the distance to houses and other built structures within 100m
4. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area
5. Signed agreement of all the proponents that they will implement comprehensive EMP combinedly by sharing the expenditure by all the proponents proportionate to land area.

Item No.7 Environmental Clearance for the Laterite Building Stone Quarry of Sri.K Balan, for an area of 0.0972 Ha at Block No:46, Re-Survey No: 14/572(14/1A) in Pariyaram Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/433500/2023, 2366/EC4/2023/SEIAA)

Decision: As invited, the proponent Sri. K. Balan and the RQP, Sri. V.K Roy were present. The RQP made the presentation with video of the project area. The total mineable reserve is 8505 MT. The life of mine is 1 year. The nearest house is at 77.5 m. The total project cost is Rs.3.63 lakh. **The Committee decided to direct the project proponent to submit the following additional documents**

1. The project cost and cost shown in CER proposal are different in different documents.
2. Cluster Certificate is not submitted
3. Depth to water table measured in the nearest open well to the site with geotagged photographs of the well and distance to it from the project boundary.
4. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area

Item No.8 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Kunhikrishnan P.P. for an area of 0.0971 Ha. at Block No. 139, Re-Survey No. 319/13 in Chuzhali Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/434534/2023, 2368/EC4/2023/SEIAA)

Decision: As invited, the proponent Sri. Kunhikrishnan P. and the RQP, Sri. V.K Roy were present. The RQP made the presentation with video of the project area. The total mineable

reserve is 8678 MT. The life of mine is 1 year. A pig farm is situated at 112 m. The total project cost is Rs.3.2 lakh. Video presented by the proponent **The Committee decided to direct the project proponent to submit the following additional documents.**

1. Cluster Certificate from M &G Department
2. CER to be revised as per norms
3. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area.

Item No.9 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Ashraf. K for an area of 0.8094 Ha at Re. Sy No 64/75, in Ulliyeri Village, Koyilandy Taluk, Kozhikode
(SIA/KL/MIN/434876/2023, 2348/EC2/2023/SEIAA)

Decision: As invited, the proponent Sri. Ashraf. K .and the RQP, Sri. Muhammed Kunji were present. The RQP made the presentation with video of the project area. the total mineable reserve is 70822.5 MT. As per the presentation, the life of mine is 4 years. The highest elevation of the permit area is 110 m AMSL and the lowest is 90 m AMSL. The total project cost is Rs.30 lakh. The nearest house is at a distance of 111m. A college is situated at a distance of 263m. This project was rejected earlier quoting the non-availability of road. Now the PP has submitted a fresh application with all details including the road. **The Committee decided to direct the project proponent to submit the following additional documents.**

1. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area
2. Depth to water table measured in the nearest open well to the site with geotagged photographs of the well and distance to it from the project boundary.
3. A compensatory afforestation plan with geo-coordinates and geo-tagged photographs of the location along with ownership details/consent.

Item No.10 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Jayesh Thomas for an area of 0.9763 Ha at Block No.09, Survey Nos.622/1, 622/2 in Pazhavangady Village, Ranni Taluk, Pathanamthitta**
(SIA/KL/MIN/434901/2023 , 2329/EC1/2023/SEIAA)

Decision: Even after prior intimation, the proponent was absent for the presentation. **The Committee decided to defer the proposal for hearing in another meeting**

Item No.11 **Environmental Clearance for the Laterite Building Stone Quarry Sri. Ahammed Kunji ATP, for an area of 0.1942 Ha. at Re-Survey No.100/384 in Panappuzha Village, Payyannur Taluk, Kannur**
(SIA/KL/MIN/434903/2023, 2380/EC4/2023/SEIAA)

Decision: Even after prior intimation, the proponent was absent for the presentation and requested to postpone the presentation. **The Committee decided to defer the proposal for hearing in another meeting**

Item No.12 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Anil Kumar for an area of 0.1863 Ha at Block No. 04, Re Survey No: 88/6-2 in Kattipparuthi Village, Tirur Taluk, Malappuram.**
(SIA/KL/MIN/434954/2023 , 2334/EC6/2023/SEIAA)

Decision: As invited, the proponent, Sri. Anilkumar and the RQP, Sri. V.K Roy were present. The RQP made the presentation with video of the project area. Video presented by the RQP. As per the presentation, the total mineable reserve is 16302 MT. The life of mine is 1 year. There is a road passing through the middle of the proposed site, probably used by the Public. The total project cost is Rs.5,42,050/-. The medium hazard zone is at 9.70 km. **The Committee decided to direct the project proponent to submit the following additional documents**

1. Authenticated report regarding the possibility of an alternative road for the current users, who are using the road passing through the project area
2. A legible Survey Map showing all the structures within 200m radius of the proposed area
3. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area

4. Depth to water table measured in the nearest open well to the site with geotagged photographs of the well and distance to it from the project boundary.

Item No.13 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Suseelan K.C., for an area of 0.0972 Ha at Survey No.200/Pt13 in Kinanur Village, Vellarikkund Taluk, Kasaragod (SIA/KL/MIN/435432/2023, 2351/EC4/2023/SEIAA)

Decision: As invited, the proponent, Sri. Suseelan K.C., and the RQP, Sri. Muhammed Kunji were present. The RQP made the presentation along with the video of the proposed area. As per the presentation, the total mineable reserve is 4240 MT. The life of mine is 1 year. The total project cost is Rs.10 lakh. **Based on discussions, the Committee decided to recommend EC for the mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:**

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

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

Item No.14 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Harikrishnan P T for an area of 0.1863 Ha at Block No. 04, Re Survey Nos. 88/6-4, 88/7-1 in Kattipparuthi Village, Tirur Taluk, Malappuram.

(SIA/KL/MIN/435664/2023, 2335/EC6/2023/SEIAA)

Decision: As invited, the authorized nominee Sri. Nikhil, on behalf of the project proponent Sri. Harikrishnan P T., and the RQP, Sri. V.K Roy were present. The RQP made the presentation with the Video of the project area. The total mineable reserve is 16302 MT. The life of mine is 1 year. The total project cost is Rs.5.42 lakh. **The Committee decided to direct the project proponent to submit the following additional documents**

1. Specific CER proposal as per the guidelines uploaded in the SEIAA-Kerala website
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area
3. Depth to water table in the nearest dug well along with geotagged photograph of the well and its distance from the project boundary
4. Authenticated report regarding the possibility of an alternative road for the current users, who are using the road passing through the project area

Item No.15 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Rafeeq P K for an area of 0.7772 Ha at Block No. 18, Re Survey No: 479/1 in Vazhakkad Village, Kondotty Taluk, Malappuram.**
(SIA/KL/MIN/435779/2023, 2336/EC6/2023/SEIAA)

Decision: As invited, the proponent, Sri. Rafeeq P K and the RQP, Sri. V.K Roy were present. The RQP made the presentation along with the video of the project area. The total mineable reserve is 74806 MT with an annual production of 37403 MTA. The life of mine is 2 years. The total project cost is Rs.20.5 lakh. The RQP presented the project without visiting the site having an area of 0.7772 Ha. The Committee also noted the following shortcomings;

1. Proposed CER plan is not as per norms.
2. EMP need revision considering site-specific issues
3. Water requirement mentioned is not sufficient
4. Survey Map is not legible
5. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area
6. Report on the hazard potential of the site, especially land slide and soil piping based on field inspection by the RQP

The Committee decided to invite the Proponent for presentation once again after submission of additional documents and field survey report as mentioned above.

Item No.16 **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Ajikumar ATV, for an area of 0.0971 Ha at Re-Survey No. 4/106 in Eramam Village, Payyannur Taluk, Kannur**
(SIA/KL/MIN/435820/2023, 2353/EC4/2023/SEIAA)

Decision: Even after prior intimation, the proponent was absent for the presentation and has requested to withdrawn the file. **The Committee decided to recommend SEIAA to delist the Application at the risk of the PP**

Item No.17 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Safeer. K for an area of 0.9796 Ha at Block No.77, Re.Sy.No. 325/1-1 in Thiruvalli Village, Nilambur Taluk, Malappuram.**
(SIA/KL/MIN/436281/2023, 2373/EC1/2023/SEIAA)

Decision: As invited, the proponent Sri.Safeer K and the RQP, Sri. V.K Roy were present.

The RQP made the presentation with the video of the project area. The total mineable reserve is 359855.96 MT with an annual production of 119951.98 MTA. The life of mine is 3 years. The highest elevation of the permit area is 105 m AMSL and the lowest is 92 m AMSL. The total project cost is Rs.120 lakh. There seems to be a building at 45m as per the google imagery. **The Committee decided to direct the project proponent to submit the following additional documents**

1. Revised project cost
2. Plan for providing a buffer of 50m between the project boundary and the building.
3. Site specific EMP with mitigation measures
4. Depth to water table measured in the nearest dug well to the site with geotagged photographs of the well and its distance from the project boundary.
5. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
6. Recently certified survey map from the Village Officer indicating distance to all the built structure within 200m radius.
7. Revised compensatory afforestation plan with geotagged photographs of the proposed site along with consent of the land owner, if the land is not belonged to the project proponent and species details.
8. Limiting depth of mining with respect to the depth to water table.

Item No. 18 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Ajikumar A.T.V. for an area of 0.0971 Ha, at Block no 44, Re-Survey No: 179/106 in Vayakkara Village, Payyannur Taluk, Kannur**
(SIA/KL/MIN/436307/2023, 2360/EC4/2023/SEIAA)

Decision: As invited, the proponent, Sri. Ajikumar and the RQP, Sri. V.K Roy were present. The RQP made the presentation with the video of the project area. The targeted production is 8011 MT. The life of mine is 1 year. The nearest house is at a distance of 66.3 m from the proposed area. The total project cost is Rs.3.29 lakh. The project proponent informed that he had already contributed some amount to the nearby school and as per the Committee the amount cannot be accepted as CER plan. **The committee decided to direct the proponent to submit the following additional documents/details.**

1. Revised CER Plan as per the guidelines uploaded in the SEIAA-Kerala website.
2. Depth to water table in the nearest dug well along with geo-tagged photograph of the

well and distance to it from the project boundary.

3. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area

**Item No.19 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Ganesh B. for an area of 0.1942 Ha at Block No.91, Re-Survey No: 3/910 in Kalliad Village, Iritty Taluk, Kannur
(SIA/KL/MIN/436713/2023, 2332/EC4/2023/SEIAA)**

Decision: As invited, the proponent, Sri. Ganesh B and the RQP, Sri. V.K Roy were present. The RQP made the presentation with the video of the project area. The total mineable reserve is 13108 MT with an annual production of 6554 MTA. The life of mine is 2 years. The nearest house is at a distance of 305 m. The total project cost is Rs.4.95 lakh. **Based on discussions, the Committee decided to recommend EC for the mine life of 2 years subject to the following Specific Conditions in addition to the General Conditions:**

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

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

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

Item No.20. Environmental Clearance for the Laterite Building Stone Quarry Project of Sri.Husain Kunhi. B for an area of 0.0971 Ha at Survey No-261/2A pt1 in Nekraje Village, Kasaragod Taluk, Kasaragod (SIA/KL/MIN/436720/2023, 2350/EC4/2023/SEIAA)

Decision: As invited, the proponent, Sri. Husain Kunhi. B and the RQP, Sri. Muhammed Kunji were present. The RQP made the presentation with the video of the project area. The total mineable reserve is 4290 MT. The life of mine is 1 year. The highest elevation of the permit area is 133 m MSL and the lowest is 129 m MSL. The total project cost is Rs.10 lakh. The depth of mining is 4m bgl. **The Committee decided to direct the project proponent to submit the following additional documents**

1. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary.
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area.
3. Details of generation of mine waste and its management aspect

Item No.21 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Ambujakshan P., for an area of 0. 4006 Ha. at Block No.37, Re-Survey No.132/220 in Perinthatta Village, Payyannur Taluk, Kannur

(SIA/KL/MIN/437437/2023, 2354/EC4/2023/SEIAA)

Decision: As invited, the proponent, Sri. Ambujakshan and the RQP, Sri. V K Roy were present. The RQP made the presentation with the video of the project area. The total mineable reserve is 3580 MT. the total mineable reserve is 38557 MT. The life of mine is 3 years. The nearest building is at 170 m. The total project cost is Rs.9.2 lakh The Committee decided to direct the project proponent to submit the following additional documents.

1. Revised project cost and CER cost as they are different in different documents.
2. Revised CER as per norms
3. Cluster Certificate from M &G Department.
4. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area
5. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary.

Item No.22 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Hareendran P.K., for an area of 0.1941 Ha at Block No.91 Re-Survey No. 3/721 in Kalliyad Village, Iritty Taluk, Kannur

(SIA/KL/MIN/437475/2023, 2358/EC4/2023/SEIAA)

Decision: As invited, the proponent, Sri. Hareendran P.K and the RQP, Sri. V.K Roy were present. The RQP made the presentation with the video of the project area. The total mineable reserve is 13085 MT. The life of mine is 2 years. The nearest house is at 125 m. The total project cost is Rs.3.28 lakh. **The Committee decided to direct the project proponent to submit the following additional documents**

1. The project cost and cost shown in CER proposal are different in different documents.
2. CER as per norms
3. Cluster Certificate from M &G Department.
4. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area is not submitted

5. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary.

Item No.23 **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Pavithran C., for an area of 0.1943 Ha at Block No. 37 Re-Survey No. 76/231 in Perinthatta Village, Payyannur Taluk, Kannur (SIA/KL/MIN/437582/2023, 2362/EC4/2023/SEIAA)**

Decision: As invited, on behalf of the PP the authorized person Sri. Suvarnan and the RQP, Sri. V.K Roy were present. The RQP made the presentation with the video of the project area. The total mineable reserve is 14208 MT. The life of mine is 2 years. The nearest house is at 325 m. The total project cost is Rs.4.75 lakh. **The Committee decided to direct the project proponent to submit the following additional documents**

1. Certified survey map indicating distance to all the built structures within 100m radius
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area.
3. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary.

Item No.24 **Environmental Clearance for the Laterite building Stone Quarry Project of Sri. Chandran. V, for an area of 0.0971 Ha at Survey Nos.32/95pt1, 32/100 in Kolathur Village, Kasaragod Taluk, Kasaragod (SIA/KL/MIN/437695/2023, 2352/EC4/2023/SEIAA)**

Decision: As invited, the proponent, Sri.Chandran.V and the RQP, Sri. Muhammed Kunji were present. The RQP made the presentation with the video of the project area. The total mineable reserve is 3580 MT. The life of mine is 1 year. The total project cost is Rs.10 lakh. **The Committee decided recommended EC for a mine life of 1year subject to the following specific conditions in addition to the General Conditions:**

- a) The excavation activity should not involve blasting.
- b) The excavation activity should be restricted to 2m above the groundwater table at the site.
- c) The excavation activity should not alter the natural drainage pattern of the area
- d) The excavated pit should be restored by the project proponent for agriculture and

other useful purposes.

- e) Appropriate fencing all around the excavated pit should be made to prevent any mishap.
- f) Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
- g) Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
- h) Workers/labourers should be provided with facilities for drinking water and sanitation.
- i) 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.
- j) A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
- k) 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.
- l) 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.
- m) The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
- n) Measures incorporated in the CER should be implemented within 6 months from the date of EC.
- o) 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.25 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Rajesh M.P., for an area of 0.0971 Ha at Block No: 137, Re-Survey No: 38/222 in Chuzhali Village, Thaliparamba Taluk, Kannur**
(SIA/KL/MIN/438554/2023, 2363/EC4/2023/SEIAA)

Decision: As invited, the proponent, Sri. Rajesh M.P and the RQP, Sri. V.K Joy were present. The RQP made the presentation with the video of the project area. The total mineable reserve is 8011 MT. The life of mine is 1 year. The nearest house is at 342 m. The total project cost is Rs.3.38 lakh. **The Committee decided to direct the project proponent to submit the following additional documents**

1. CER is not as per norms
2. Legible Survey map from the Village Officer indicating distance to all the built structures within 100m.
3. Cluster Certificate from the Mining and Geology Department
4. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area
5. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary.

Item No.26 **Environmental Clearance for the Laterite Building Stone Quarry of Sri.Vinod K. for an area of 0.1700 Ha at Re-Survey No: 55/244 in Panappuzha Village, Payyannur Taluk, Kannur**
(SIA/KL/MIN/439634/2023, 2367/EC4/2023/SEIAA)

Decision: As invited, the proponent, Sri.Vinod K and the RQP, Sri. V.K Joy were present. The RQP made the presentation with the video of the project area. The total mineable reserve is 10413 MT. The life of mine is 1 year. The nearest house is at a distance of 119.4 m. The total project cost is Rs.5.35 lakh. **The Committee decided to direct the project proponent to submit the following additional documents**

1. Cluster Certificate
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area
3. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary.

Item No.27 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Antony Kaichiramattam for an area of 0.1942 Ha at Block No. 39, Re-Sy No.109/106 in Peringome Village, Payyannur Taluk, Kannur.**
(SIA/KL/MIN/439691/2023, 2364/EC4/2023/SEIAA)

Decision: As invited, the proponent, Sri. Antony Kaichiramattam and the RQP, Sri. V.K Roy were present. The RQP made the presentation with the video of the project area. As per the Mining Plan, the total mineable reserve is 15780 MT with an annual production of 7890 MTA. The life of mine is 2 years. A temporary building is at 100 m. The total project cost mentioned in the application Rs.5.13 lakh. **Based on discussions, the Committee decided to**

recommend EC for mine life of 2 years subject to the following Specific Conditions in addition to the General Conditions:

1. The excavation activity associated should not involve blasting.
2. The excavation activity should be restricted to 2m above the ground water 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 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 emission by covering of 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 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 proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the excavation area.
11. Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary.
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 drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented as per norms
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.28 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Jijesh Korothan for an area of 0.0971 Ha at Block No.91, Re-Survey No:46/4-1204-2 in Kalliad Village, Iritty Taluk, Kannur (SIA/KL/MIN/440234/2023, 2359/EC4/2023/SEIAA)**

Decision: Even after prior intimation, the proponent was absent for the presentation. **The Committee decided to defer the proposal for hearing in another meeting**

Item No.29 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri.Bineeshmon George for an area of 0.1942 Ha at Re-Survey No: 109/106 in Peringome Village, Payyannur Taluk, Kannur (SIA/KL/MIN/440323/2023, 2356/EC4/2023/SEIAA)**

As invited, the proponent, S Sri. Bineeshmon George and the RQP Sr. V.K Roy were present. The RQP made the presentation with the video of the project area. The total mineable reserve is 15937 MT. The life of mine is 2 years. The nearest house is at a distance of 94.5 m. The total project cost mentioned in the application is Rs.4.9 lakhs. The presentation was done in 156th meeting. **Based on discussions, the Committee decided to recommend EC for the mine life of 2 years subject to the following Specific Conditions in addition to the General Conditions:**

1. The excavation activity associated should not involve blasting.
2. The excavation activity should be restricted to 2m above the ground water 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 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 emission by covering of 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 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 proposed excavation.

10. A minimum distance of 50m from any civil structure should be kept from the periphery of the excavation area.
11. Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary.
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 drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented as per norms
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.30 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Suresh K for an area of 0.1983 Ha at Block No:38, Re-Survey No:45/248 in Perinthatta Village, Payyannur Taluk, Kannur**
(SIA/KL/MIN/440531/2023, 2361/EC4/2023/SEIAA)

Decision: As invited, the proponent, Sri. Sri.Suresh K and the RQP Sr. V.K Roy were present. The RQP made the presentation with the video of the project area. The total mineable reserve is 19086 MT. The life of mine is 2 years. The nearest house is at a distance of 418 m. The total project cost mentioned in the application is Rs.4.52 lakh. **The Committee decided to direct the project proponent to submit the following additional documents**

1. Cluster Certificate from the Mining and Geology Department
2. Revised CER as per norms
3. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area.
4. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary.

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

Decision: As invited, the proponent, Sri. Noorul Hassan and the RQP Sri. V.K Roy were present. The RQP made the presentation with the video of the project area. As per the Mining Plan, the total mineable reserve is 48075 MT with an annual production of 16025 MTA. The life of mine is 3 years. The nearest house is at 72.4 m. The total project cost is Rs.13.68 lakh. **The Committee decided to direct the project proponent to submit the following additional documents**

1. Cluster Certificate from the Mining and Geology Department
2. Revised and site-specific EMP
3. Geotagged photographs of the project area and its surroundings from all the boundary pillars showing the entire area
4. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary.

The Committee decided to convene its 158th meeting on 5th, 6th and 7th of February, 2024. The Meeting ended by 6.00pm.

Sd/
Suneel Pamidi, IFS
Member Secretary, SEAC

Sd/
Dr.R. Ajayakumar Varma
Chairman, SEAC

LIST OF PARTICIPANTS:

Sl.No.	Name	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	X
13.	Dr.N.Ajithkumar	√	√
14.	Sri.Suneel Pamidi,IFS (Member Secretary)	√	√