

MINUTES OF THE 166th MEETING OF THE STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), KERALA HELD ON 11th, 12th, and 13th JUNE 2024, IN THE CONFERENCE HALL, STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA

The meeting started at 10.00 AM on 11th June 2024. Dr. R. Ajayakumar Varma, Chairman, SEAC Kerala chaired the meeting. The Committee discussed the agenda items in detail and took the following decisions:

PHYSICAL FILES

Item No.166.01 **Noting of the minutes of the 164th & 165th SEAC meeting held on 08th-10th May 2024 & 20th May 2024.**

Confirmed the Minutes

Item No.166.02 **Complaint against quarrying operations owned by Mr. Ashly John Tharakan, Madaparambil House, South Mazhuvannur P.O., Mazhuvannur Village, Ernakulam, Kerala – Complaint submitted by Shri. K.M. Mathew– Reg. (File No. 290/EC3/2021/SEIAA)**

The Committee discussed the environmental damage assessment report submitted by the PP as per the direction of the 140th SEIAA meeting. The Committee noticed that the report is prepared by the NABET-accredited agency, PARIVESH Environmental Engineering Services. After detailed deliberations, the Committee found that the damage assessment report is not in line with the standard norms. The Damage assessment should be done following the “General Framework for imposing Environmental Damage Compensation (CPCB 2022) and Report of the CPCB in-house Committee on methodology for Assessing Environmental Compensation and Action Plan to Utilise the fund (CPCB 2019)”. **Therefore, the Committee decided to direct the Proponent to submit the environmental damage assessment report in accordance with the framework and methodology published by the Central Pollution Control Board as mentioned above.**

Item No.166.03 **Complaint against the quarries in Mudakoimala, Vazhakkad Village, Kondotty Taluk, Malappuram. (Hearing)
(File No.2897/EC1/2023/SEIAA)**

The Committee discussed the hearing note submitted by the Complainants and noted the following grievances raised against the laterite mining in Mudakoimala and the demands for mitigating the issues caused due to mining.

1. All the sites are not inspected before issuing EC
2. Incessant mining destroys Mudakoikunnu and sacred groves
3. Increased and severe health issues due to various diseases consequent to the mining activities

4. Possibility of landslips in ten houses.
5. Shortage of drinking water in 41 houses
6. Water pollution in 15 houses
7. Habitat destruction of birds and animals causing their infestation to residential and agricultural land causing nuisance and crop losses
8. People had to be shifted from the area during 2018 and 2019 floods
9. Those who were shifted from the Mammattam region during 2019 flood continues in difficulties due to the fractures developed in various parts of the hill
10. The sacred groves and biodiversity of the region is getting destroyed
11. The springs and streams originating from the Mudakkoi hill is lost due to land filling
12. High density traffic with heavily loaded vehicle is causing severe difficulties to the children and affecting child rights.
13. There are very deep pits of depth around 10m and 10 of such pits are not brought back to the original status after mining
14. The mining by Sri. Ismail K.P and Sri. Krishnan and Sri. Abu Thahir has been causing severe adverse impacts in the area

Based on the complaints, the Complaints demanded the following relief.

1. Mining in Mudakkoimala should be stopped and no further EC should be issued
2. The 10 existing pits should be refilled and brought back to original status
3. Carry out biodiversity conservation in Mudakkoimala and its neighbourhood
4. The menace due to the straying birds and animals should be solved
5. The roads damaged due to mine related transportation should be repaired through those responsible for it
6. Drinking water shortage due to the mining should be solved
7. All the pits should be filled to prevent landslips in the hill
8. The health issues of the public should be solved

The Committee decided to find out the field level status of the complaints and accordingly entrusted Dr. A.N. Manoharan and Prof. Dr. CC Harilal for field inspection and report. The SEIAA Secretariat shall give prior intimation to the Complainants and all the Project Proponents whose applications are under appraisal with SEAC and the EC holders from the region well in advance. The Sub Committee shall interact with the Complainants and Proponents during the field visit.

Item No.166.04 **Revalidated EC issued for the Building Stone Quarry Project of Sri. K. Sadanandan in Sy.No. 143/2, 143/4, 144/1, 144/2, 144/3, 146/1, 146/2, 146/3, 147/1,2,3,4,5,6,7,8,9,10, 148, 149/4 , 152/4, 152/5, 152/6, 152/7, 152/8, 152/9, 152/10, 152/11, 152/12, 152/13, 152/14, 152/15 at V-Kottayam Village, Konni Taluk, Pathanamthitta - Judgement dated 13.10.2023 in Appeal No 48 of 2022 (SZ) filed by Sri.Roy Thomas before the Hon'ble NGT(File No. 200/SEIAA/EC4/86/2014)**

The Subcommittee entrusted to assess the environmental damage and ascertain the veracity of the mining plans (considered during the issuance of original EC and the revalidated EC) as per the 158th SEAC meeting conducted field inspection on 23.03.2024. Based on the field inspection, the Subcommittee made the following observation. As per Government Order No. 1102/2023/ID dt. 27.10.2023 of the Industries (A) Department, the following survey numbers are assigned land 147/3, 147/5, 147/8, 147/9. The assigned land is situated in the middle of the mine and is found almost mined out. However, it is not possible to estimate the quantity mined from the assigned and unassigned land, and assess the environmental damage without getting the excess quantity or the quantity mined out. The Subcommittee reported that it is difficult to assess the environmental damage caused due to illegal mining in the project area without the support of the Mining and Geology Department, Revenue Department and State Pollution Control Board. **Therefore, the Committee decided to recommend to the SEIAA to constitute a Joint Committee consisting of nominees of the SEAC, Department of Mining & Geology, and KSPCB to assess the damage.**

The Committee also examined the mining plans and observed that the first mine plan, approved on 20.03.2015, estimated the mineable reserve as 42,44,000 MT and mine life as 10 years. The proposed quantity to be mined in the first five years (2015 -16 to 2020-21) was 18,11,000 MT and the proposed quantity to be mined in the second five years (2021 -22 to 2026-27) was 24,33,000 MT. However, the quantity to be extracted indicated in the Scheme of Mining approved on 05.07.2021 contradict with the mine plan, especially with respect to the mineable reserve available for further extraction. Also, the mine life given in the first mine plan is 10 years and the second one is 20 years. **In the circumstance, the Committee decided to request SEIAA to form a Joint Committee with experts from SEAC, Mining & Geology Dept. and State PCB with following ToR in accordance with the decision in the 135th Meeting of SEIAA.**

- Assessment of the environmental damage caused due to illegal mining in the project area.
- Ascertain the veracity of the mining plans (including the life of mine/Life of the Project) submitted at the time of issuance of original EC and at the time of its revalidation.

Item No.166.05 **Environmental Clearance issued to the Granite building stone quarry of Shri. Jilmon John, Managing Director, M/s Gimsak Developers Pvt.Ltd. for an area of 2.2430 Ha at Re Survey Nos 163/1, 163/2 (Block No.30) in Alakkod Village, Thodupuzha Taluk, Idukki - Complaints received (File No.1388/EC2/2019/SEIAA)**

The Committee examined the field inspection report conducted on 26/03/2024 and accepted it. The Committee noted that during field visit the sub-committee heard the complainants, inspected the site for verifying the field level status of the complaints and verified the compliance status of the EC conditions. The Committee agreed to the following recommendations in the FIR and decided to place it before the SEIAA for further necessary action.

1. A total of five specific conditions out of seven and eighteen general conditions out of forty-five are not fully complied with and therefore, appropriate action should be taken against the Proponent
2. The Mining & Geology Department may be addressed for assessing the over extraction, if any, and take appropriate action including penalization.
3. The Kerala State Pollution Control Board may be addressed to assess and penalize the environmental compensation for the over extraction and other non-compliances
4. The Proponent may be directed to shift all the top soil and mine waste, which is haphazardly dumped, to the designated location and provide adequate protection to the dump site.
5. Garland drain, silt traps, siltation pond, collection tank, and outflow channel to the natural drain may be constructed and operated with utmost care to prevent pollution of surface or groundwater regime.
6. The Proponent may be directed to remove the boulders, if any, on the hilltop and hill slope carefully without causing any accidents.

Based on discussions, the Committee decided to place the Field Inspection Report before the SEIAA for further necessary action.

Item No.166.06 **Environmental Clearance for the Granite Building Stone Quarry project of Sri. Abdul Latheef, M/s Super Stone Crusher for an area of 1.1915 Ha at Un. Sy. Nos. 1452 (Pt) and 1453(pt) (Not final) in Koodaranji Village, Thamarassery Taluk, Kozhikode (SIA/KL/MIN/250609/2022, 2015/EC4/2022/SEIAA)**

As invited Sri. Abdul Latheef, M/s Super Stone Crusher and Zakhariya K attended the hearing as per the decision of the 164th SEAC meeting. The Committee noted that the 146th SEAC meeting examined the documents submitted by the project proponent and found them unsatisfactory. Further, the blast hole proposed in the mining plan and EMP are contradictory. The Committee also discussed, in detail, the environmental fragility of the site with respect to slope and terrain characteristics, biological diversity, accident/ disaster proneness, and risk involved. The proposed site falls in a medium-hazard zone and the slope is found very steep. The distance to the high-hazard zone is 327m. The elevation of the site is

600m above mean sea level. There are huge rock boulders that can drift down due to blast-induced vibration, causing accidents. Considering all these, the Committee recommended the rejection of the proposal invoking 'Precautionary Principle'. The 130th SEIAA meeting agreed to the recommendation of SEAC and rejected the proposal and informed the same to the Project Proponent quoting the reasons for rejection. During the hearing the PP has not put forward any additional reasons for reversing the earlier decision or produced any additional document to review the decision taken in the previous SEAC meetings. Based on discussions, **the Committee decided to direct the Proponent to submit a detailed hearing note within 7days.**

Item No.166.07 Environmental Clearance for the Granite Building Stone Quarry of Sri. Reji Jacob (conversion of DEIAA to SEIAA) for an area of 1.0062 Ha at Block No. 10, Re-Sy No. 312/3, 322/7, 332/2 & 333/3 in Manakkad Village, Thodupuzha Taluk. Idukki (SIA/KL/MIN/447398/2023, 2495/EC2/2024/SEIAA)

The Committee discussed the request of the project proponent vide letter dated 31.05.2024 for withdrawal of application submitted for reappraisal of the EC issued by the DEIAA. The Committee noted that based on the application for reappraisal, a Field inspection was conducted in the site on 26/03/2024. Based on the discussion on the Field inspection report, the Committee observed that the following EC conditions are not complied with.

1. The Certified Compliance Report is submitted, but many of the observations lack clarity to assess whether the compliance is satisfactory or not.
2. The site proposed is found almost mined out and the feasibility of mining in the small protruding portion is poor due to lack of feasibility for environmentally friendly mining
3. Formation of benches during mining is observed only at southern end, where further mining is not possible. All the other sides are vertically cut down to more than 40-50m.
4. The Scheme of Mining does not reflect the encroachments into the buffer zone and violation of mine plan during previous mining.
5. The buffer zone is encroached for mining as well as for laying road
6. Considering the mined out scenario, the quantity of resource projected for mining in the Scheme of Mining is not found correct
7. No proof of expenditure for the CSR proposed in the EC is produced
8. The greenbelt development is not complied with in the buffer zone
9. Dust suppression mechanism using sprinklers provided in the quarry is not adequate
10. Mining below ground water level is not found complied with. Mining is found to have intersected the ground water table
11. The depth of mining exceeded 10m beyond the general ground level
12. Garland drains are not found provided
13. It is observed that there is violation of mine plan and non-compliance of EC conditions.

Based on the FIR, the Committee recommend SEIAA to initiate action against violation of mine plan and EC conditions through of the Mining and Geology Department and the Kerala State Pollution Control Board. Therefore, the Committee decided to recommend rejection of the request for withdrawal of application for reappraisal of EC issued by the DEIAA till the completion of action against the violation and non-compliance of mine plan and EC conditions by the Proponent.

Item No.166.08 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Ravi Paleri, Proprietor, M/s Surya Stone Crusher & Hollow Bricks at Re. Sy. No.275/1A pt, in Triprangottur Village, Thalassery Taluk, Kannur (SIA/KL/MIN/126728/2019; 1782/EC4/2020/SEIAA)

The Committee noted the decision of the 141st SEIAA meeting and noted the judgment dated 25.05.2023 in WP(C) No 40316 of 2022, the order dated 22.02.2024 in RP No. 103 of 2024 and the request of the project proponent to recall the order dated 19.10.2022. In the Judgment dated 25.05.2023 in WP(C) No. 40316 of 2022 the Hon'ble High Court ordered that the prayers as sought for in the writ petition are not liable to be granted and the writ petition was dismissed. As per the order of the Review Petition No. 103 of 2024 filed by the Project Proponent, the Hon'ble High Court disposed of the case directing that Ext P5 representation submitted by the petitioner shall be taken up, considered and appropriate orders shall be passed in accordance with the law. The project proponent vide his representation dated 11.04.2024 submitted the slope stability study report prepared by the Dept. of Civil Engineering, NIT, Karnataka. **In the above circumstances, as directed by the SEIAA, the Committee decided to hear the project proponent in the next meeting.**

Item No.166.09 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)

The Committee heard the Proponent Sri. R. Mohandas and RQP Sri. V.K. Roy. The Proponent produced a Certificate from the Village officer, Ayyankunnu, dated 02/05/2024 that there was no occurrence of natural hazards in the area during the last few years. The PP holds explosive license up to 2026, and valid **panchayath license**. The PP and the RQP argued that the reason for rejection is not valid and requested the Committee to review and reverse its decision. **The Committee decided to direct the PP to submit a detailed hearing note including all documents to substantiate their arguments within one week.**

Item No.166.10 **Complaint on the EC issued to the granite building stone quarry of Sri. V. J. Chacko, Managing Partner, M/s. Parlikkad Granites Wadakkancherry Village, Thalappilly Taluk, Thrissur District. (SIA/KL/MIN/45120/2019: 1526/EC2/2019/SEIAA)**

The Committee examined the complaint received from Sri. Vineesh E.R as per the direction of 141st SEIAA meeting. The complainant claims that Sri. V. J. Chacko, M/s Parlikkad Granites had made deliberate attempt to conceal or submit false information or data in the application form and hence requests to cancel or suspend the Environmental Clearance issued on 20.10.2022. **Based on discussion, the Committee decided to hear the complainant and the project proponent in the next meeting. The SEIAA Secretarial shall forward the copy of the complaint to the Project proponent and get his response on the allegations stated in the complaint before hearing.**

Item No.166.11 **Project proposals of Kerala Forest Department (KFD) under CER- reg. (File No: 888/A1/2024/SEIAA)**

The Committee noted the Project Proposal under Corporate Environment Responsibility (CER) Fund submitted by the Social Forestry wing, KFD. **The Committee decided that many of the ideas communicated in the project are agreeable in principle.**

Item No.166.12 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K. J. Baiju, Managing Partner, M/s B & B Granites, for an area of 0.8075 Ha at Sy Nos. 911 & 912 in Thekkumkara Village, Thalappilly Taluk, Thrissur - Compliance with the Interim Order dated 31.05.2024 in WP(C) No. 35912/2023 by the Hon'ble High Court (SIA/KL/MIN/272314/2022; File No. 1339/EC2/2019/ SEIAA)**

The Committee noted the decision of the 143rd special meeting of the SEIAA and decided to entrust Dr.R. Ajayakumar Varma and Dr. AV Raghu to conduct the field inspection and report as per the directions contained in the decision of the SEIAA. **The SEIAA Secretarial shall provide prior intimation to the complaint and the Project proponent for conducting the field inspection.**

Item No.166.13 **Environmental Clearance issued to Sri.Musthafa Palakkan for the Granite Building Stone quarry project for an area of 2.2095 Ha at Survey No. Q02/1065 pt in Melmuri Village, Ernad Taluk, Malappuram – Submission of EMP in compliance with the EC condition (File No. 1265/EC2/2019/SEIAA)**

As per the direction of the SEIAA, the committee examined the comprehensive EPM prepared for the cluster, after revising the EMP document for several times, the committee ultimately decided to direct the Project proponent to submit a sworn affidavit signed by all

the EC holders within the cluster by clearly stating the activities that will be undertaken by each one of them and the share of EMP amount (both recurring and non-recurring) that will be expended by each one of them on the basis of the final EMP report submitted. Accordingly, the sworn affidavit was submitted by the PP with signature of all stakeholders and was accepted by the Committee. **Based on this, the Committee decided to recommend to invoke the stop memo subject to the condition that compliance of Comprehensive EMP shall be verified after 6 months.**

Item No.166.14 EC granted to Sri. Vinu Joseph, Managing Director, M/s Granitic Mines India Pvt. Ltd. by DEIAA, Kottayam - Hon'ble High Court Kerala Judgment in WP(C) No. 4798 of 2023 dated 05.07.2023 (File No: 1775/EC3/2023/SEIAA)

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Environmental Clearance for the expansion of Granite Quarry Project of Sri. Vinu Joseph, Managing Director, M/s Granitic Mines India Pvt. Ltd. at Kondoor Village, Meenachil Taluk, Kottayam – EC granted by DEIAA, Kottayam – Judgment in WP(C) No. 416 of 2024 (B) dated 09.01.2024, 22.01.2024 & 12.02.2024 (SIA/KL/MIN/438142/2023; 2432/EC4/2024/SEIAA)

Vide email dated June 10, 2024, the Standing Counsel of SEIAA, Kerala informed that by Judgment dated 05.07.2023 in WP(C) 4798 of 2023, the Hon'ble High Court directed the SEIAA to call for the records from the RDO Kottayam representing DEIAA, Kottayam and consider whether erstwhile DEIAA has already considered the feasibility of mining in the area coming under Sy.No. 259/8 part. If the SEIAA finds that such an analysis had been made and the only reason for restricting the area was the nature of land, which was then shown as plantation, there will be a direction to the SEIAA to reconsider the issue based on the available materials from DEIAA's consideration with regard to Sy. No. 259/8pt and if necessary revise the EC including the said extend also.

Pursuant thereto, the DEIAA/DEAC forwarded the records available with them and the SEIAA on evaluation of the records found that DEIAA/ DEAC had not assessed the feasibility of mining in the project area in Sy.No. 259/8pt considering all the environmental, hydrological, geographical and biological aspects and vulnerability of the area based on hazard susceptibility.

Later, as per the directions of the Hon'ble Court the Government Pleader appearing on behalf of the RDO, Kottayam made available various other records pertaining to the subject matter. In the said circumstances. the Hon'ble High Court directed the SEIAA to verify whether the erstwhile DEIAA had considered the feasibility of mining in the area from the documents made available by the Government Pleader to the court. As per the request of the SEIAA Secretariat, the Committee examined the Copy of documents forwarded as Annexure IX. Accordingly, the Committee observed the following:

The application dated 30.12.2016 along with Mine Plan and Feasibility Report was submitted for environmental clearance on 10.1.2017. The proposal was to carry out mining for granite building stone from an area of 3.290 Ha falling in Sy. No. 259/15 (Part), 259/6-2 (Part) and 259/8 (Part) in Kondoor Village, Meenachil Taluk, Kottayam. The DEAC appraised the proposal in its meeting held on 1.3.2017. Subsequently, the DEAC carried out site inspection on 10.3.2017 in the quarry development area of 3.2900 Ha which stated that the DEAC may recommend the operation subject to submission of assessment report for the project area after studying the nature of slope and the formations. The DEAC meeting held on 24.4.2017 and 25.4.2017 observed that the terrain of the project area is highly steep, sloppy and made of a lot of large pebbles spread over and therefore, had apprehension about the stability of the formation. The DEAC opined that detailed evaluation of stability parameters is necessary for issuance of environmental clearance. Therefore, the DEAC decided to recommend not to issue EC as the project is not feasible with the present mining plan. The Proponent submitted the slope stability report on 13.5.2017. The 8th meeting of the DEAC held on 30.6.2017 appraised the analysis of the slope of the terrain and additional precautions and decided to recommend to issue EC with seven conditions in addition to general conditions.

The 6th DEIAA meeting held on 31.1.2018 appraised the proposal based on the recommendation of the DEAC. The DEIAA also noticed that the DEAC meeting held on 24.4.2017 and 25-4-2017 had apprehension about the stability of the site and deferred the item for the next meeting. The 8th meeting of the DEIAA held on 21.3.2018 deferred the proposal for additional documents. The 9th meeting of DEIAA held on 23.4.2018 noticed that the Sy. No. 259/8 Part lies in plantation category. The 10th meeting of DEIAA held on 21.5.2018 directed the Proponent to submit revised mine plan by excluding the Sy No. 259/8 Part. The 11th meeting of the DEIAA held on 6.7.2018 considered the revised Mine Plan by modifying the buffer zone and recommended for issuing EC subject to the condition that no mining will be done in Sy No. 259/8 Part which lies in plantation. Subsequently, EC was issued on 30.7.2018 in which it is stated that the extent of the area is 3.29 Ha and proposed mining area excluding buffer is 1.82 Ha.

From the decisions of the DEAC and DEIAA, it is clear that the appraisal was done for the entire area of 3.29 Ha and EC was given for 1.82 Ha after excluding the land area categorised as plantation. While appraising the proposal, the vulnerability of the area based on hazard susceptibility was considered. However, substantiating evidence to state whether the feasibility of mining was assessed considering all the environmental, hydrological, geographical and biological aspects, is not available in the documents provided. The Committee decided to provide the above observation to the SEIAA in response to the request of the Standing Counsel.

Item No.166.15 **Environmental Clearance issued to the project of Sri. Muhammed Naha Salim, for the Granite Building Stone Quarry project, for an area of 0.8525 Ha. of land at Re-Survey Nos. 370/1pt and 370/2pt in Vallichira Village, Meenachil Taluk, Kottayam - WP(C) No. 30737 of 2022 and WP (C) No. 25554 of 2022. (Proposal No: SIA/KL/MIN/134307/2019; File No: 1671/EC3/2020/SEIAA)**

The Committee noted the directions of the Hon. High Court on WP(C) No.4655 of 2024, WP(C) No. 30737 of 2022 with respect to compliance on Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 “Notwithstanding anything contained in any other law for the time being in force, no person shall, without the written permission of the Irrigation Officer, conduct mining or quarrying operation using explosives within a radius of one kilometre of any bridge, dam, check dam or any other work, structure or construction, owned, controlled or maintained by the Government, a local authority or any other authority”.

PARIVESH-1

PART-1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01 **Environmental Clearance for the Common Biomedical Waste Treatment Facility by IMAGE-IMA at Block No 26, Re. Sy No 340/1/19, 340/1/20, in KINFRA Park Enadimangalam Village, Adoor Taluk, Pathanamthitta
(SIA/KL/INFRA2/434354/2023, 2308/EC1/2023/SEIAA)**

The Committee verified the proposal as directed by SEIAA in its 141st meeting to verify the requirement of a Public Consultation for the project. The Committee noticed that during appraisal the Committee sought clarification from the SPCB whether a Public Consultation is required as per OM No. J-11011/321/2016-II(I) dated 27.4.2018 and KSPCB vide its letter dated 16.12.2023 stated that the type of project or activity proposed “Biomedical Waste Treatment Facility” is not included in the list of projects or activity for which public consultation is required in an industrial estates/parks. The Committee noticed that as per the OM dated 27.4.2018 (issued in suppression to the earlier OMs dated 16.5.2014, 10.12.2014 and 4.4.2016), it is stated that the projects or activities located within the industrial estates or parks that are having exemption from public consultation are as follows:

- a. Which were notified by the Central Government / State / UT Government prior to said notification coming into force on 14th September 2006.
- b. Which obtain prior EC as mandated under the EIA Notification 2006 (Item 7c of the Schedule of said Notification]

As per the available documents it is understood that the Industrial Park was initially set up for Food Processing Industries and was notified on 19th September 2006, i.e., after the notification of the EIA Notification 2006 dated 14th September 2006. Besides, it is also noticed that the Industrial Park has not obtained any EC so far. The Committee decided that

for setting up of Bio-medical Waste Treatment Facility, a public consultation is required. **In this situation, the Committee decided to direct the PP to conduct a Public Hearing and submit the revised EIA report incorporating the response to the issues raised during the public hearing.**

Item No.02 Environmental Clearance for the Proposed Commercial Complex Project to be developed by M/s Kunnamkulam Centre LLP for an area of 2.0176 ha at Re-Sy. Nos. 11/P3-1, 11/P4-4 in Choondal Village & Re-Sy 162/3, 162/3-1, 162/3-1-1 in Kanipayyur Village, Chowannur Panchayat, Kunnamkulam Taluk, Thrissur. (SIA/KL/INFRA2/445681/2023, 2446/EC3/2023/SEIAA)

The Committee examined the project and scrutinized the additional documents submitted by the project proponent as sought in the 161st SEAC meeting and found them satisfactory except for the following.

- a) Certificate from the KSEB confirming that adequate setback distance is provided between the HT line and construction plot boundary
- b) Traffic Management Plan considering the increase in traffic due to the proposed commercial complex and the current traffic density on SH 69 (Kunnamkulam-Thrissur Highway) along with strategies for alleviating congestion in the vicinity of the project site.
- c) Consent letter from the LSG, if the emergency exit is proposed towards the south side of the building.

Item No.03 Environmental Clearance for the Granite (Building Stone) Quarry of Sri. Muhammed Kutty for an area of 0.5379 Ha at Sy. No. 247/3 in Pattithara Village, Pattambi Taluk, Palakkad, Kerala. (SIA/KL/MIN/143575/2020, 1990/EC1/2022/SEIAA)

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. As per the application, the mineable reserve is 85,036 MT. As per the Additional documents, the project cost is Rs. 1,20,00,000/-. The life of mine is 3 years. The highest and lowest elevation are 95m RL and 90m RL. The depth to the water table is 7m bgl. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the following Specific Conditions in addition to the General Conditions after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The green belt should be initiated prior to the commencement of mining using indigenous species.
2. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.

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

Item No.04 Environmental Clearance for the proposed Granite Building Stone Quarry of Sri. Ananthu Sunil for an area of 3.6153 Hectares in Survey No. 231 part (Govt. Land) at Konnathady Village of Idukki Taluk, Idukki. (Proposal No: SIA/KL/MIN/209584/2021, File No: 1903/EC3/2021/SEIAA)

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. As per the application, the total mineable reserve is 9,62,200MT. The life of mine is 5 years. The project cost is 3.47 crore. The highest elevation of the lease area is 1030m above MSL and the lowest elevation is 930m above MSL. The distance to nearest house is 205.9m. The distance to high hazard zone is 460 m and the distance to medium hazard zone is 360m. The maximum depth of mining proposed is 905m above MSL. The depth to water table is 4 m bgl at 903 m MSL. Considering the terrain fragility, it is not desirable to mine beyond the ground level. **Based on discussion, the Committee decided to recommend EC for 5 years subject to the following Specific Conditions in addition to the General Conditions after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The mining should not be done beyond the lowest ground level of the proposed site.
2. The green belt should be initiated prior to the commencement of mining using indigenous species. Wherever it is not possible to develop green belt due rock exposure, temporary wall using light roofing sheet should be erected to a height of 5m.
3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
7. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
8. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
9. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
10. The haulage road should be provided with sprinkling facility to prevent dust pollution.

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

Item No.05 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)

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. As per the application, the total mineable reserve is 19,60,578 MT with an average annual production of 3,26,763 TPA. The total Project cost is 5.905 Crores. The life of mine is 6 years. The highest elevation of the proposed site is 590m AMSL and the lowest elevation is 460m above MSL. The distance to moderate hazard zone is 20m and the distance to high hazard zone is 50m. The depth to water table is 8m bgl. The distance to the nearest built structure is 323m and a crusher at a distance of 280m. As per the additional documents the affidavit stating that the Proponent will provide an additional buffer of 80m from the boundary line connecting BP2 to BP3 towards south (from the elevation contour of 585m above MSL to 540m above MSL) and carry out mining only from the area with elevation varying from 540m above MSL to 460m above MSL. **Based on discussion, the Committee decided to recommend EC for 6 years subject to the following Specific Conditions in addition to the General Conditions after the submission of NOC from the**

Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

1. An additional buffer of 80 m from the boundary line connecting BP2 to BP3 towards south (from the elevation contour of 585m above to 540m above MSL) and carry out mining only from the area with elevation varying from 540m above MSL to 460m above MSL.
2. The depth of mining should be limited to 460m above MSL.
3. The green belt should be initiated prior to the commencement of mining using indigenous species.
4. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
8. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
16. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power

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

Item No.06 **Environmental Clearance for Laterite building stone quarry of Sri.Sidhique.K.P, for an area of 0.9713Ha at Re Sy No-272/2B in Pattithara Village, Pattambi Taluk, Palakkad District, Kerala.**
(SIA/KL/MIN/270682/2022, 2066/EC1/2022/SEIAA)

The Committee examined the proposal and scrutinized the additional documents submitted by the Project Proponent as sought in 155th SEAC meeting. The Committee observed that the following documents submitted are not satisfactory. **Hence, the Committee decided to direct the Proponent to submit following documents:**

1. Revised project cost including the land cost,
2. Revised CER proposal and EMP cost.
3. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.07 **Environmental Clearance for Granite Building Stone Quarry project of M/s Jesus Granites Pvt. Ltd. for an area of 1.4781 Hectare at Survey No. 911/1-5, 916/3, 916/3-2, 916/3-3, 916/3-4 in Kallorkad Village, Muvattupzha Taluk, Ernakulam.**
(SIA/KL/MIN/276958/2022, 2049/EC3/2022/SEIAA)

The Committee examined the proposal and noted that there are 2 quarries located adjacently belonging to the same proponent, M/s. Jesus Granites Pvt Ltd. having an area of 1.4781 Ha & 1.4962 (Proposal No. 276958 & 277815). Besides, there is a quarry owned by Sri. Saji Abhraham (Proposal No. 288750) and Jimmy Jose with an area 1.4718 & 1.944 Ha. The Authority in its 137th meeting sanctioned withdrawal of the application (Proposal No. 277815) submitted by Saji Abhraham. **Based on discussion, the Committee decided to entrust Dr. Mahesh Mohan and Dr. K.N. Krishnakumar to examine whether there is any cluster condition prevailing and for conducting field inspection and report.**

Item No.08 **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. (SIA/KL/MIN/407128/2022, 2154/EC3/2022/SEIAA)**

The Committee examined the project and scrutinized the additional documents submitted by the project proponent as sought in 156th SEAC meeting and found them satisfactory except the following.

1. Reason for not complying with the CER commitment of the earlier EC and plan for its compliance
2. 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.
3. Revised CER as per the guidelines uploaded in the SEIAA website
4. Location of the sites where two open wells will be constructed as part of CER
5. Details of protective measures to be adopted with respect to the abandoned quarry pit sharing border with the proposed project
6. Road development plan
7. 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.
8. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.09 **Environmental Clearance for the Granite Building Stone Quarry project of Sri. Jismon A. B., for an area of 0.9980 Ha. at Re-Survey Nos. 27, 28 & 28/1 in Erumeli South Village, Kanjirappally Taluk, Kottayam (SIA/KL/MIN/413982/2023, 2212/EC3/2023/SEIAA)**

The Committee examined the proposal and noted the request dated 08/06/2024 from the project Proponent to withdraw the application since there is a cluster condition. **The Committee decided to direct the Proponent to apply for ToR for conducting EIA study and public consultation prior to submission of application for environmental clearance.**

Item No.10 **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)

The Committee examined the documents submitted by the proponent and **decided to invite the proponent for a presentation**

Item No.11 **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)

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. As per the application, 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. 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. 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 that 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 to leave such a deep mine pit 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. **Based on discussion, the Committee decided to recommend EC for 12 years subject to the following Specific Conditions in addition to the General Conditions after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The issuance of EC is subject to the commencement of mine closure of the adjacent mine.
2. As per the mine plan, it is proposed to mine upto 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, mining may be limited up to 1070m above MSL.
3. As per the mine plan, it is proposed leave a rock wall adjacent to abandoned quarry. If mining is limited up to 1070m above MSL, such a wall will not be developed at that location. If the proponent proposes to mine to a depth of 1050 m above MSL, then, the mining plan has to be revised in continuation to the existing abandoned quarry.

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

Item No.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)**

The Committee reexamined the proposal as directed by the 141st meeting of the SEIAA. The Committee noticed that there is an adjacent quarry sharing the same boundary. **Based on discussion, the Committee decided to direct the PP to submit a Comprehensive EMP prepared by a NABET Accredited consultant by considering the impacts of all the projects located adjacently and their mitigation measures.**

Item No.13 **Revalidation of EC issued by DEIAA, Idukki to the Granite Building Stone Quarry of Sri. Shiju Thomas for an area of 4.3049 Ha at Survey Nos. 294/1pt, 294/2 pt, 295/5, 295/6 pt, 296/2 pt and 356/1-1 pt in Alakkode Village, Thodupuzha Taluk, Idukki. (SIA/KL/MIN/435329/2023, 2385/EC2/2023/SEIAA)**

The Committee examined the additional documents submitted by the Project Proponent and found that the annexed documents are not attached as specified in the covering letter. **Therefore, the Committee decided to direct the Proponent to submit the additional documents along with the annexures.**

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)**

The Committee reexamined the proposal as directed by the 141st SEIAA Meeting and the Committee noticed that there is an adjacent quarry sharing the same boundary. **Based on discussion, the Committee decided to direct the PP to submit a Comprehensive EMP prepared by a NABET Accredited agency by considering the impacts of all the projects located adjacent and their mitigation measures.**

Item No.15 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Shans Paul, M/s Chattupara Granites Pvt Ltd, for an area of 3.0274 ha at Re-S nos. 734/1B-1, 734/1B-4, 734/1B-5, 734/1B-6, 734/1B-7, 734/1B-8, 734/1B-9 in Kalloorkkad Village, Muvattupuzha Taluk, Ernakulam. (SIA/KL/MIN/437379/2023, 2342/EC3/2023/SEIAA)**

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. As per the application, the total mineable reserve is 14,04,575 MT with an annual production of 3,50,000 MTA. The life of mine is 5 years. The highest

elevation of the permit area is 176 m above MSL and the lowest is 134 m above MSL. The depth of mine proposed is 105m above MSL. The depth to water table is 4m below ground level at 91m above MSL. The nearest habitation is at 204.1 m. The total project cost is Rs.3 core. The distance to the high hazard zone is at about 13.20km and the distance to moderate hazard zone is at about 9.0 km. The committee noted that the depth of mining should be limited to 119m above MSL considering the mine depth of the adjacent quarry. **Based on discussion, the Committee decided to recommend EC for 5 years subject to the following Specific Conditions in addition to the General Conditions after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The small unused building without building number existing in the project area shall be demolished before starting operations
2. The internal roads in the project area should be re-aligned so as to leave the buffer zone area free of any disturbance
3. The buffer zone should be maintained with thick vegetation belt without removing the existing vegetation including rubber trees and all planting, both at buffer zone and at afforestation sites (Public places, Avenue planting etc.) to be completed within first 2 years and to be maintained
4. The depth to water table is reported as 4m below ground level and therefore, the mining should be restricted accordingly.
5. The nearby quarry pit should be protected with fencing to avoid accidents
6. The Solar energy plant of capacity 12kW should be installed as agreed in the application
7. The green belt should be initiated prior to the commencement of mining using indigenous species.
8. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
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. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
12. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
13. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR

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

Item No.16 Environmental Clearance for the Granite Building Stone Quarry of Sri. Yunus Mayakkara for an area of 4.5246 Ha, Block No. 35, Re-Survey Nos.8/1-3, 8/1-4 of Nediyruppu Village, Kondotty Taluk, Malappuram.
(SIA/KL/MIN/438697/2023, 2396/EC1/2023/SEIAA)

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. As per the application, the total mineable reserve is 14,32,428 MT with an annual production of 1,19,369 MTA. The life of mine is 12 years. The highest elevation of the permit area is 220m AMSL and lowest is 120 m AMSL. Nearest house is at 203.1 m. The total project cost is Rs.3 crore. The distance from moderate hazard zone is 4.90 Km and the distance to high hazard zone is 15.13 Km. As per the presentation, the depth to water table is 7m bgl at 79 AMSL. **Based on discussion, the Committee decided to recommend EC for 12 years subject to the following Specific Conditions in addition to the General Conditions after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The green belt should be initiated prior to the commencement of mining using indigenous species.

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

Item No.17 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Saji K Elias Managing Director, M/s Factum Granites Pvt Ltd. for an area of 0.6377 Ha at Block No: 21, Re survey no 35/23, 35/6 in Erimayur-1 Village, Alathur Taluk, Palakkad. (SIA/KL/MIN/440170/2023, 2428/EC3/2023/SEIAA)**

The Committee noted the decision of 140th SEIAA meeting rejected present application and directed the Project Proponent to submit ToR application with required documents. The Project Proponent should submit the proof of application submitted to the SCNBWL for the Wildlife Clearance. **Based on discussion, the committee decided to adhere to the earlier decision to reject the proposal.**

Item No.18 **Environmental Clearance for Granite Building stone quarry of Sri.Vinodlal.N, M/s Daiwik Industries Pvt. Ltd. at Re-Sy. Nos. 346/1-2, 347/2- 4, 346/3, 346/1-1, 346/1-3, 347/5, 347/4, 346/4, 346/1-9, 347/2-3, 346/1-5, 346/1- 4, 346/1-7, 346/1-8, 354/1-5-1, 354/1-5, 354/1-16, 355/7, 345/4, 345/6, 345/3-1, 354/1-3, 354/1-7, 347/1, 347/2-1, 347/2, 355/6, 345/3, 354/1-7-1, 346/2-1, 347/3- 2 in Block No. 48, Aryanad Village & Panchayat, Nedumangad Taluk, 152 Thiruvananthapuram District, Kerala for a Mine Lease (ML) area of 5.4586 ha. (SIA/KL/MIN/444972/2023, 2407/EC3/2023/SEIAA)**

The Committee examined the project and scrutinized the additional documents submitted by the project proponent and found them satisfactory except the Compensatory afforestation plan. **Hence, the committee decided to direct the PP to submit revised plan with alternate site for compensatory afforestation plan with geotagged photographs and consent from the land owner if the land belongs to other person than the PP and species proposed to be planted.**

Item No.19 **Environmental Clearance for the Granite building stone quarry of Sri. K G Ajikumar for an area of 1.2328 Hectares, at Block No.-13, Re-Survey Nos. 394/4(p), 394/14(p), 394/15(p) ,394/16(p), 399/3-1(p), 399/3-1-2(p), 399/3-2-2(p), 399/3-2, 399/3-3, 399/3-3-2, 399/4, 399/4-2, 399/4-3, 399/4-4(p) & 396/5-1 at Kalayapuram Village of Kottarakkara Taluk, Kollam. (SIA/KL/MIN/448332/2023, 2491/EC1/2024/SEIAA)**

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. As per the application, the mineable reserve is 3,00,780 MT. The life of mine is 6 years. The total project cost is 127.5 Lakh. The distance to nearest built structure is 103.3m. The highest elevation of the proposed area is 120 m above MSL and lowest elevation is 85 m above MSL. The distance to medium hazard zone is 11.30 Km and the distance to high hazard zone is 19.12 Km. As per the additional documents, the PP submitted NOC from the Irrigation Department as an Irrigation canal located at 65m from the proposed

site. The depth to water table is 12-15m (57-54m above MSL). **Based on discussion, the Committee decided to recommend EC for 6 years subject to the following Specific Conditions in addition to the General Conditions after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

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

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

Item No.20 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Kunhimammed for an area of 0.2700 Ha at Re-Survey No.19/148 in Koodathai Village, Thamarassery Taluk, Kozhikode (SIA/KL/MIN/451721/2023, 2455/EC2/2023/SEIAA)

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. As per the application, the production is 40,500 MT. The life of mine is 2 years. The highest elevation is 235 m MSL and lowest is 232 m MSL. The project cost is Rs.18 lakh. As per the additional documents, the depth to water table is 10m bgl at 85 m MSL. As per the Cluster Certificate dated 30/09/2023, there are 3 other quarries within the radius of 500m and altogether having an area less than 5Ha. The distance to High Hazard Zone is 10.05 and the distance to moderate hazard zone is 6.87 km. **Based on discussion, the Committee decided to recommend EC for a period of 2 years subject to the following specific conditions in addition to the general conditions after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.

13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)

Item No.21 Environmental Clearance for the Laterite (Building Stone) Quarry project of Sri. Rintu Sebastian, for an area of 0.1752 Ha. at Block No:39, Re-survey Nos:57/110 in Peringome Village, Payyannur Taluk, Kannur.
(SIA/KL/MIN/452107/2023, 2462/EC4/2023/SEIAA)

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. As per the application, the total mineable reserve is 16,864 MT with an annual production of 8,432MT. The life of mine is 2 years. The depth to water table is 9m below ground level at 149m AMSL. The project cost is Rs. 5.64 lakhs. The medium hazard zone is at 1.5km from the proposed area. The high hazard zone is at 5.9km from the proposed area. As per the additional documents, the PP submitted a common EMP incorporating the contiguous project site of Sebastian George for an area of 0.1942 (2207/EC4/2023/SEIAA). **Based on discussion, the Committee decided to recommend EC for 2 years subject to the following Specific Conditions in addition to the General Conditions after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

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

12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC and maintained during the rest of the EC period.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm)

Item No.22 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Bijesh K. P., for an area of 0.1942 Ha. at Block No: 91, Re-Survey No: 46/559 in Kalliad Village, Iritty Taluk, Kannur (SIA/KL/MIN/453581/2023, 2486/EC4/2024/SEIAA)**

The Committee reexamined the proposal as directed by the 141st SEIAA Meeting and the Committee noticed that there are other 2 laterite building stone quarry proposals near proposed site. **Based on discussion, the Committee decided to direct the PP to submit Comprehensive EMP prepared by a NABET Accredited consultant by considering the impacts of all the projects located adjacently and their mitigation measures.**

Item No.23 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Siyad C V., for an area of 0.1942 Ha at Block No. 91, Re-Survey No: 46/923 in Kalliad Village, Iritty Taluk, Kannur (SIA/KL/MIN/453670/2023, 2487/EC4/2024/SEIAA)**

The Committee reexamined the proposal as directed by the 141st SEIAA Meeting and the Committee noticed that there are other 2 laterite building stone quarry proposals near proposed site. **Based on discussion, the Committee decided to direct the PP to submit Comprehensive EMP prepared by a NABET Accredited consultant by considering the impacts of all the projects located adjacently and their mitigation measures.**

Item No.24 **Environmental Clearance for the Laterite (Building Stone) Quarry project of Sri. Viju K. for an area of 0.0971 Ha. at Block No. 91, Re-Survey No: 46/1241, 46/4-1241-2 in Kalliad Village, Iritty Taluk, Kannur (SIA/KL/MIN/453708/2023, 2488/EC4/2024/SEIAA)**

The Committee reexamined the proposal as directed by the 141st SEIAA Meeting and the Committee noticed that there are other 2 laterite building stone quarry proposals near the proposed site. **Based on discussion, the Committee decided to direct the PP to submit a Comprehensive EMP prepared by a NABET Accredited consultant by considering the impacts of all the projects located adjacently and their mitigation measures.**

Item No.25 Environmental Clearance for Ordinary Earth Mining Project of Sri. Daniel. K.P for an area of 0.4559 Ha at Block No. 45, Re -Survey No. 439/10,439/5-2, 439/5-2-1 in Aikaranad North Village, Kunnathunad Taluk, Ernakulam (SIA/KL/MIN/455191/2023, 2482/EC1/2023/SEIAA)

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

Item No.26 Environmental Clearance for the Granite Building Stone Quarry of Sri. Sunny Jose, Managing Partner of M/s. Payyavoor Granites for an area of 4.7036 Ha at Re Survey Block No. 84, Re Survey Nos. 1/1 & 1/12121 in Payyavoor Village, Taliparamba Taluk, Kannur District. (SIA/KL/MIN/456129/2024, 2517/EC4/2024/SEIAA)

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

Item No.27 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Muhammed Ibrahim Palakkan, M/s Rox Silicon Private Limited for an area of 4.5090 Ha at Sy. No .1065 & 1065 pt in Melmuri Village, Malappuram Municipality, Ernad Taluk, Malappuram. (SIA/KL/MIN/46597/2019, 1575/EC3/2019/SEIAA)

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

Item No.28 Environmental Clearance for the granite building stone quarry project of Sri.Muhammed, Managing Director, M/s Vettakode Granite Pvt. Ltd for an area of 3.3624 Ha at Sy.No.247/1,247/2-1, 274/3, 275/2 in Anakkayam Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/66304/2019, 1514/EC3/2019/SEIAA)

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

Item No.29 Environmental Clearance for Granite Building stone Quarry of Sri. Eldho Issac for an area of 4.7023 Ha at Survey. No. 208/1 of Alanallur-III Village, Mannarkkad Taluk, Palakkad, Kerala (SIA/KL/MIN/72951/2022, 1590/EC1/2019/SEIAA)

The Committee examined the project and scrutinized the additional documents submitted by sought in the 163rd SEAC meeting and found them satisfactory. The mineable reserve as per the approved mine plan is 16,39,470 MT and the life of mine is projected as 16 years based

on the production rate of 1,00,000 TPA. However, the bench wise production details is given only for 10 years. The lowest elevation is 95m above MSL and the highest elevation is 230m above MSL. As per the 10-year production details, the mining will not intersect the ground water table. The site does not form part of the landslide hazard zone published. Proponent has not submitted the proof of application submitted for wildlife clearance from the NBWL. Instead, a certificate from the Wildlife Warden, Silent Valley Division dated 13.12.2023 is submitted stating that the distance of the site from the Silent Valley National Park is 4.430 km and the distance to the buffer zone as per the draft ESZ of Silent Valley is 1.775 km from the project site. **Therefore, based on discussion, the Committee decided to recommend EC for 6 years subject to the following Specific Conditions in addition to the General Conditions after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The Project Proponent should submit the proof of wildlife clearance, if applicable, as per the current norms regarding the ESZ .
2. The blasting methodology, blasting pattern and blasting operations should strictly be as per the recommendations contained in the report of April 2023 submitted by M/s. NIT, Karnataka.
3. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
4. The green belt should be initiated prior to the commencement of mining using indigenous species.
5. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
6. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
8. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).

13. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
16. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
17. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.
20. The impact of the project on the poultry and honey bee farmers w.r.t the ecological and socioeconomic aspects should be studied periodically and addressed appropriately and the output and outcome should be submitted in the HYCR
21. The watershed conservation proposed in the case of Puliymthodu should be commenced from the beginning and the progress should be uploaded in the HYCR.

Item No.30 **Environmental Clearance for the proposed expansion of the project 'Adlux Medicity & Convention Centre P\4. Ltd.' in Block-3, Re-Survey No. 35/2 at Karukutty Village, Aluva Taluk, Ernakulam. (SIA/KL/MIS/273775/2022 , 2109/EC3/2022/SEIAA)**

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

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

Item No.01 **Revalidation of Environmental Clearance issued by SEIAA for the building stone quarry project of Sri. C.K. Abdul Azeez, Managing Director, M/s Grand Stone Metals Pvt. Ltd for an area of 4.8240 Ha at Sy. No. 3, 21/1, 21/2, 22, 23, 24 in Kannamangalam Panchayat & Village, Thirurangadi Taluk, Malappuram. (Proposal No. SIA/KL/MIN/ 306709/2023, File No.906/SEIAA/EC1/ 3538/2015)**

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

Item No.02 **Environmental Clearance for the quarry project Sri.U.Abdul Kareem, M/s.U.K.Granites at Sy. No. 428(P) in Edayoor Village, Tirur Taluk, Malappuram District – Judgment dated 23.11.2020 in WP(C) No.25702 of 2020 (File No. 727/SEIAA/EC1/6106/2014)**

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

PARIVESH-1

PART-2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01 **Environmental Clearance for the existing Mild Steel Re-Rolling mill by Smt. Dirsha K Mohammed, M/s.Gasha Steels Pvt. Ltd. at Survey No. 461(part), 462(part), 463(part), 866(part), 872(part) in Pudussery village, Palakkad Taluk, Palakkad. (SIA/KL/IND1/443094/2023, 2217/EC1/2023/SEIAA)**

The Committee examined the proposal and discussed the field inspection report conducted on 04/04/2024 and noted the following salient aspects in the field.

1. The Project site is situated in New Industrial area, Kanjikode, Palakkad.
2. It is surrounded by other major and minor industrial units
3. Existing road connectivity is satisfactory
4. Industry is equipped with Re- Heating Furnaces and Re-Rolling Mills
5. Raw material used is MS Billets
6. High tension electric line passes through the site
7. Even though the energy consumption is high, no alternate sources are utilized.
8. At the time of the visit the industry was shut down for 10 days for the clearance of stock (It was explained that the TMT bars produced would lose their luster if kept for a long period resulting in non-acceptance from traders)

Based on the above observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application:

1. Yield characteristics of the proposed water sources and details of water harvesting and storage proposition
2. Proposal for the treatment plan for the domestic waste water as the existing facility is inadequate for treatment of domestic wastewater of 10 KLD capacity, using septic tank and soak pit system.
3. Transportation analysis, focusing on transportation of raw materials, as well as products from the unit, utilizing the available road network in the area
4. Plan for greening the available vacant areas
5. Stack monitoring data of the unit for the last one year
6. Renewable energy resource utilization plan in phased manner

7. Revised CER plan as per the guidelines published in the SEIAA website
8. Revised and site-specific EMP incorporating CER as per guidelines and detailed budget estimate (Non-Recurring & Recurring) including for environmental monitoring
9. Details of houses and other built structures within the distance of 200m from the boundary of the project site based on physical observation
10. High resolution map of the area encompassing 100m all around the project site
11. Confirmation on the concentration of PM 2.5, PM 10 and Noise level within the campus and adjacent roads just outside the campus as the values shown are much lower than that in an industrial environment where there is usage of heavy machineries, furnaces etc.
12. Impact details of occupational health and safety
13. Impact potential of dominant activities of the expansion project on significant environmental aspects of the impact zone, particularly within the zone of 500m from the periphery of the site preferably in quantitative terms or in qualitative terms
14. Heat index of the different stages of the plant.
15. Proposal for reducing the increased ambient atmospheric temperature during the production process

Item No.02 **Granite Building Stone Quarry of Sri. SabuKuriakose, Managing Director, M/s Kavumkal Granites for an area of 0.7070 Ha. at Re.Survey No.470/6 in Vadasserikkara Village, Ranni Taluk, Pathanamthitta (SIA/KL/MIN/278377/2022, 2058/EC1/2022/SEIAA)**

The Committee examined the proposal and noted the request dated 03/06/2024 from the project Proponent to withdraw the application due to financial crisis. Therefore, **the Committee decided to recommend rejection of the application.**

Item No.03 **Environmental Clearance for Granite Building Stone Quarry of Sri. Abdul Nazar A for an area of 0.7562 ha at Re-Survey Nos. 98/2-1, 98/1, 98/1-1 in Nellanad Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala (Re uploaded the previous proposal No.SIA/KL/MIN/161967/2020) (SIA/KL/MIN/407637/2022, 1747/EC1/2022/SEIAA)**

The Committee discussed the field inspection report as directed by the 128th SEIAA meeting and noted the following salient aspects in the field.

1. The road to the site is not developed and is not feasible for the movement of trucks loaded with mined materials.
2. The site is located on the lower middle portion of a hill of maximum elevation of 200m above MSL as per Google imagery and the elevation of the site varies from 108m to 129m above MSL. The proposal is to mine up to a depth of 100m above MSL, which is expected to lead to a mine pit of 8m in depth. The storage of water in the pit and its accidental breach, if so happens, will be disastrous.

3. The average soil thickness in and around the site 2m and the thickness varies significantly. There are large number of boulders within the site. There is a possibility of downward movement of boulders and soil in the event of high intensity rainfall.
4. One-third portion of the site in the north-eastern side is having very steep slope and the rest of the portion of the site is with gentle slope
5. There is vertical cut abandoned quarry adjacent to the MC road and on the western side of the proposed site. The abandoned quarry land is developed with buildings. The vertical wall of the abandoned quarry is at a distance of about 110m. There are also houses and other buildings on the lower side slope of the site, including the MC road, which has heavy traffic. MC road is at around 170m from the proposed project boundary and the relative relief of the road is around 80m above MSL. There is a possibility of downward movement of boulders and soil in the event of high intensity rainfall.
6. There is no preferred drainage found for overland flow. Considering the slope pattern, it is presumed the overland flow is towards the south west.
7. There are houses located on the southern and south-west sides at distances of 101m, 105m and 120m from the project boundary. It is desirable to provide adequate protection to these houses
8. Most parts of the proposed site, especially the gentle slope area, are cleared of vegetation except for creepers. Adjacent areas have natural vegetation as well as rubber plantations.
9. Apparently, the site is not feasible for any high intrusive activity such as mining.
10. The Proponent has submitted a plan for developing a haulage road which is oriented towards south side of the proposed site. A drainage line is also proposed for the south. Therefore, if a haulage road is developed towards south with drainage adjacent to it is desirable to address the safe drainage and transportation requirement for the site. However, the land along the proposed haulage and drainage does not belong to the Proponent. So, the viability of the proposal is uncertain.
11. The Proponent proposes to remove the boulders by breaking it using chisel and hammer. However, there is no barrier to prevent any accidental rolling of boulders.
12. The date of application of the proposal is 23.11.2022, and the date of baseline data monitoring is 30.5.2019. Therefore, the baseline monitoring data was more than 3 years old at the time of application. Therefore, it has to be revalidated as per OM dated 8.6.2022.

The Committee observed that the field inspection report and the documents submitted by the PP do not warrant reconsideration of the earlier recommendation for rejection of the application based on precautionary principle.

Item No.04 Granite Building Stone Quarry of Shri. Raghulan Pillai located in Re-Sy Nos.354/1/305 & 354/1/305/236 Pt, Karavalur Village, Punalur Taluk, Kollam District, Kerala State over an extent of 1.9000 ha. (4.6949 Acres).(SIA/KL/MIN/43381/2019, 1580/EC2/2019/SEIAA)

As invited the Project proponent Shri. Raghulan Pillai was present and attended the hearing. During the hearing the PP has informed that as per the Judgment of WP (C) No. 26894/2023 dated 18th March 2024, the 4th respondent, the Survey Director is directed to consider the objection submitted by the petitioner and pass orders thereon after affording an opportunity of being heard and communicate the decision thereon to Government who shall in turn submit its decision before the 1st respondent, the SEIAA. **Therefore, the Committee decided to await the decision.**

Item No.05 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K. J Thomaskutty, Managing Partner, M/s. St. Martin Granites for an area of 4.5868 Ha at Re Survey No. 161/1, 163/4, 177/1, 177/2/1, 177/7, 177/7-1, 164/1/4, 163/3, 161/1/2, 162, 159/3-1, 160/2-2, 160/2-3 in Alakkode Village, Thodupuzha Taluk, Idukki. (SIA/KL/MIN/436147/2023, 1938/EC3/2022/SEIAA)

The Committee examined the proposal and discussed the field inspection report conducted on 26/03/2024 and noted the following salient aspects in the field.

1. NIT, Suratkal conducted a blast impact study on 11.9.2022. Accordingly, the PPV at 40m was 5.779 mm/s; at 42m was 5.652 mm/s and at 50m was 4.382 mm/s.
2. Noise level of blast varied from 100 dB to 118.8 dB
3. Fly rock impact was up to 30 to 40m without muffling arrangement
4. CER proposal is prepared without detailed stakeholder consultation and the fund was allotted to (i) the renovation of 5 houses at a total cost of Rs. 20 lakh (Rs. 4 lakh per house) and (ii) construction of room/hall for PHC, Alakkode (650 sq.ft) at a total cost of Rs. 10 lakh based on requests. No cost is provided for maintenance during the period of mine life.
5. Development of green belt is not feasible all around the quarry due to rock outcrops.
6. Regrassing proposal in compliance to the direction dated 8.1.2020 of Hon. Supreme Court in WP(C) Civil No. 114/2024 Common Cause Vs. GoI and others is not found submitted.
7. Details of the source of water, their yield capacity, and the quality are not provided as it is stated that the sourcing of water is through tanker supply.
8. Details of the OB dump site, feasibility of the proposed site, and protection measures proposed for the site is not found provided along with map.
9. Project cost does not include all the requirement of the proposal.
10. Safeguard measures for the slope areas of the periphery of the site are not provided.

11. Cost for implementing action plan proposed in response to the suggestions in the Public Consultation is not found reflected in the budget estimates

Based on the above observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application:

1. CCR from the IRO Bangalore.
2. NOC from District Level Crisis Management Committee for mining as the site is located in the medium-hazard zone.
3. Submit reworked CER proposal based on appropriate stakeholder consultation and also based on eligibility criteria for renovation of houses. Also incorporate the maintenance cost required for maintaining the CER projects implemented for the entire period of life of mine.
4. Proposal for erecting temporary protection wall of 5m height with light roofing material outside the buffer zone connecting BP4, BP3, BP2, BP1, BP10, BP9, BP8.
5. Proposal for compensatory afforestation along with geotagged photographs of the site, details of species proposed and ownership details of land.
6. Re-grassing proposal in compliance to the direction dated 8.1.2020 of Hon. Supreme Court in WP(C) Civil No. 114/2024 Common Cause Vs. GoI and others is not found submitted.
7. Details of the source of water, their yield capacity and the quality is not provided as it is stated that the sourcing of water through tanker supply.
8. Details of OB dump site, feasibility of the proposed site, protection measures proposed for the site is not found provided along with map.
9. Depth to water table in the nearest dug well along with geotagged photograph of the well, distance from the project boundary and site elevation.
10. Safeguard measures for the slope areas of the periphery of the site.
11. Cost estimate for implementing action plan proposed in response to the suggestions in the Public Consultation.
12. Revised Budget Estimate for EMP incorporating the shortcomings above and cost required for implementing all the proposals in the EMP.
13. Revised Project Cost incorporating all the infrastructure required for the mining project.
14. Revised Project cost incorporating all the financial requirements of the implementation and operation of the proposal.
15. As per ToR 7, the proponent Company has to have a well laid down Environment Policy approved by its Board of Directors. It is also necessary to describe the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions etc. The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions is also to be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or

shareholders or stakeholders at large, is also required to be detailed in the EIA Report. However, this is not found included in the EIA report.

16. As per ToR 8, It is necessary to list and provide the details of the proposed safeguard measures, which is not found provided.
17. As per ToR 9, it is stipulated that the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period which is not found complied especially with respect to solid and liquid waste other than mine waste.
18. As per ToR 15, the vegetation in the RF / PF areas in the study area, with necessary details, is required, but the same is not found listed accordingly and assessed the implications.
19. As per ToR 22, site-specific meteorological data should be collected. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given. The Proponent should be directed to clarify the compliance in detail.
20. As per ToR 23, air quality modeling should be carried out for the prediction of impact of the project on the air quality of the area. It should also take into consideration the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modelling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. This is to be complied with and hence the details.
21. As per ToR 24, the water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. This is not found adequate and therefore, need reworking.
22. As per ToR 26, description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should also be provided. This is not found complied adequately.
23. As per ToR 27, the impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided. This is not found complied with specific details.
24. The additional study on slope stability is not found conclusive and the factor of safety is not determined.
25. The additional study on breach potential is not found done based on site specific data.
26. Detailed traffic management plan considering the inadequate width of the public road leading to the project site and operation of the proposed project and existing operational quarry of quarry of Shri. Jilmon John, M/s Gimsak Developers Pvt.Ltd. for an area of 2.2430 Ha in Re Survey Nos 163/1, 163/2 (Block No.30) in Alakkod Village, Thodupuzha Taluk.
27. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.06 **Reappraisal of EC issued by DEIAA, Kozhikode to the Granite Building Stone Quarry Sri. Manoj Kumar. K for an area of 1.0261 Ha at Re Sy No: 68,71/1,71/2 in Kinalur Village, Thamarassery Taluk, Kozhikode. (SIA/KL/MIN/443424/2023 , 2474/EC2/2023/SEIAA)**

As invited the Project Proponent Sri. Manoj Kumar. K and RQP D. P Sreekumar were present. The RQP made the presentation. As per the presentation, EC No. 105/2018 dated 16/08/2018 was granted by DEIAA for the period of five years. As stated, the mining operation was commenced on 26/10/2022, though the EC is valid since 2020. The Committee noted that a complaint is received from Sri.Riju Prasad.T.P, Member, Ward-12, Panagad Grama Panchayath against the quarry project of Sri. Manoj Kumar.K. As per the OM dated 28.4.2023, the EC requires reappraisal by the SEIAA for which the Proponent has to submit certain specific documents. **Based on discussion, the Committee decided to direct the Proponent to submit the following additional documents.**

1. Remarks of the Project Proponent on the complaint filed by the Sri.Riju Prasad.T.P, the SEIAA Secretariat shall provide the copy of the complaint to the PP.
2. Proof of application submitted for wildlife clearance from the NBWL considering the distance to the Malabar Wildlife Sanctuary.
3. CCR from IRO, MoEFCC, Bangalore
4. Biodiversity Assessment Report.
5. Certified statement from the Mining & Geology Dept. showing the extraction details and the balance resource available for mining
6. Revised proposal for Compensatory afforestation plan along with geo-tagged photographs of the proposed area, ownership details of land and species proposed as the one proposed seems to be a coconut plantation
7. Latest survey map certified by the Village Officer.
8. Depth to water table in the nearest dug well along with its distance from the project boundary geo-tagged photograph.
9. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.
10. All the documents listed as per OM dated 28.4.2023 of the MoEF& CC.

Item No.07 **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. (SIA/KL/MIN/449132/2023, 2415/EC1/2023/SEIAA)**

As invited the project proponent Sri. Biju M.K and RQP VK Roy attended the hearing. The PP agreed to provide a buffer of 50m between the project boundary and the crusher and other buildings near the proposed site. **Therefore, the Committee decided to direct the**

Proponent to submit revised plan for maintaining a buffer of 50m with the crusher unit and the nearby building. The Committee also noted a Complaint dated 15.04.2024 received from Sri. Rajeev G. requesting to cancel the EC application submitted by the project proponent. In these circumstances, the Committee decided the following.

1. Remarks of the Project Proponent on the complaint filed by the Sri. Rajeev G, the SEIAA Secretariat shall provide the copy of the complaint to the PP.
2. Submit a detailed hearing note within 7 days.
3. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

**Item No.08 Environmental Clearance for the Granite Building Stone Quarry of Sri.Sajeev S for an area 4.1792 Ha at survey nos: 302/152, 302/1/157, 302/1/158, 302/1/161, 302/1/159, 302/1/46/378, 302/1/46, 302/1/46/330/384, 302/1/46/330 in Vilakkudy Village, Pathanapuram Taluk, Kollam District.
(SIA/KL/MIN/453327/2023, 2470/EC1/2023/SEIAA)**

As invited the Project Proponent Sri. Sajeev S and RQP V.K. Roy were present. The RQP made the presentation. As per the application, the mineable reserve is 20,80,415 MT. The average production of mine will be 2,40,000 MT for first five years and 2,20,000 MT for sixth to ninth years. The highest elevation of the project area is 180m above MSL and the lowest is 140m above MSL. The depth to water table is 7m below ground level at the spot having elevation of 117 m above MSL. The distance to high hazard zone is 11 km and that to medium hazard zone is 4.65 km. The nearest house is at a distance of 54.5 m and there are 12 more houses and built structures at 71.3 m - 221.7m. The field inspection was conducted on 18/02/2024. After hearing the presentation, the committee noted the following.

1. The revised compensatory afforestation area belonging to Smt. Chichu Chakko George and the consent was submitted for an area of 0.4047 Ha in the post mining area.
2. Clarification regarding the area as the area mentioned in the application and other documents and in the Post Project landuse is contradictory.
3. The Committee observed that as per the cluster certificate dated 19/10/2023, there are three working quarries owned by Sri. K. Chackochan (0.7815Ha), Sri Sundaran (0.8139 Ha.) and Jayarajan V (0.3392Ha). The letter of Geologist dated 30/05/2024 indicates that the closure plan of the quarry owned by Sri Sundaran was submitted and the mine closure is not yet completed. As per the Cluster Certificate the quarries owned by Sri Sundaran (0.8139 Ha.) and Jayarajan V (0.3392Ha) are in the same survey numbers and the mine closure is not yet done. Considering all the surrounding quarries the area comes to more than 5Ha in the cluster.

In this circumstance, considering the cluster condition, the committee decided to direct the PP to apply for ToR.

Item No.09 Environmental Clearance application for the Laterite Building Stone Quarry project of Sri. Sujith C. S. for an area of 0.0971 Ha at Block No: 91, Re-Survey No. 46/1204 in Kalliyad Village, Iritty Taluk, Kannur (SIA/KL/MIN/456785/2023, 2516/EC4/'2024/SEIAA)

As invited, Sri. Renjith P.V. was present on behalf of the project proponent Sri. Sujith C.S. The RQP V.K Roy made the presentation. As per the application, the total mineable reserve is 13,351 MT. The life of mine is 1 year. The total project cost is Rs. 3,68,750/-. No houses are reported within 50m radius. The depth to water table is 7m below ground level at 203m above MSL. The distance to high hazard zone is 9.4 km and the distance to medium hazard zone is 1.92km. As per the Cluster Certificate dated 06/06/2024, there is no other working quarry within 500m radius. **Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions and NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

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

17. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.10 Environmental Clearance of Granite Building Stone Quarry project of Sri. AbduRahiman A.C at Re Survey Block No.36, Re-Survey No: 269/1, 269/2, in Nediyruppu Village, Kondotty Municipality, Kondotty Taluk, Malappuram.
(SIA/KL/MIN/78627/2019, 1543/EC3/2019/SEIAA)

As invited the project proponent Sri. Abdu Rahiman A.C and the EIA Consultant Dhamodharan A, M/s. Ecotech Labs Pvt Ltd. were present. The EIA consultant made the presentation. **After hearing the presentation, the Committee decided to direct the Proponent to submit the following additional documents.**

1. The functioning quarry on north western side is not included in the cluster certificate. Therefore, submit clarification whether the details of the said quarry was considered in the EIA study.
2. There are three abandoned quarries at southern side and one operational quarry on north-western side. All these quarries are without proper benches. One abandoned quarry on southern side and operational quarry at north-western side are sharing the boundary with proposed project area. A detailed study is required to analyse the possibility of a breach of impounded water.
3. Impact on the slope stability of the region in and around the project site.
4. Impact of additional traffic due to transportation of mine products on the traffic capacity of the road.
5. Impact on the existing drainage adjacent to the project site including its supportive capacity for the possible augmented load.
6. Impact on the nearby hazard zone.
7. Modified EIA report by incorporating ToR No. 19 and 23 and five additional ToRs.
8. Depth to water table measured in the nearest open well to the site with geo-tagged photographs, elevation of the site above MSL and distance from the project boundary are not submitted.
9. Response to the comments and concerns recorded in the minutes of the Public Consultation conducted
10. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.11 **Environment Clearance for the Development of General Hospital, Thiruvananthapuram for the proposed Construction of Trauma and OP Block, Laundry and Service Block in Vanchiyoor village, Thiruvananthapuram Taluk, Thiruvananthapuram District. (SIA/KL/MIS/278234/2022, 2057/EC1/2022/SEIAA)**

The Committee examined the application and noted the decision of 135th SEIAA meeting. The Committee observed that during the field inspection, the project proponent intimated that there will be changes in the design and building plan. The Authority sought the present status of the proposed project Vide letter dated 08.01.24 but the reply has not yet been received. In these circumstances, the Committee decided to direct the Project Proponent to submit the details sought regarding the change of design and building plan without further delay. The Committee also decided to intimate the inordinate delay from the PP for submission of documents.

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

PARIVESH-2.O

PART-1

Item No.01 **Re-appraisal of Environmental Clearance issued from DEIAA, Thiruvananthapuram for the Granite Dimension Stone Quarry of Sri.T. Soundararajan for an extent of 1.0246 Ha at survey no 251/4 in Vellarada Village, Neyyattinkara Taluk, Thiruvananthapuram (SIA/KL/MIN/462784/2024)**

The Committee examined the project and scrutinized the additional documents submitted by the project proponent as sought in the 162nd SEAC meeting. **Based on discussions, the Committee decided to invite the Proponent for presentation.**

Item No.02 **Reappraisal of Environmental Clearance issued by DEIAA, Malappuram for the Granite Building Stone quarry of Sri. K.Mohammed, Managing Partner, M/s Blue Stone Crusher for an area of 4.9649 Ha at Survey No. 300/1 (pt), 300/2 (pt), 300/3(pt) in Oorakam Village, Tirurangadi Taluk, Malappuram.(SIA/KL/MIN/453464/2023)**

The Committee examined the project and noted that as per the Cluster Certificate dated 18/04/2022, there are two other quarries within the radius of 500m and altogether having an area of more than 5 ha. Therefore, the project proponent has to conduct an EIA study, submit environmental management plan, and conduct public hearing as per existing norms. **Hence, the Committee decided to direct the proponent to apply for ToR.**

Item No.03 **Environmental Clearance for the expansion of existing Environmental Clearance for construction of Residential Building Construction project of Sri. Thankachan Thomas V, (M/s Westend Avenue LLP), for an area of 2.6612 Ha. at Block No. 4, T.S. No. 150 Part 1-4, 155 (New Sy. Nos. 155/2, 150/9) in Puthiyangadi Village, Kozhikode Taluk, Kozhikode District. (SIA/KL/INFRA2/462908/2024)**

The Committee examined the proposal and discussed it in detail. **Based on the discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include the documents/explanation for the following shortcomings and shall be uploaded to the Parivesh portal.**

1. Details of water requirements during the construction stage with supporting data.
2. Detailed CER proposal as per the guidelines published on the SEIAA website.
3. Clarification regarding the FAR and plinth area as it is stated that there is no increase in FAR and plinth area as part of the expansion.

Item No.04 **Environmental Clearance for Granite Building stone quarry project of Sri. Abdul Kareem at Re Survey No: 474/3, 475/10, in Block No.29, Manickal Village Nedumangad Taluk Thiruvananthapuram District, Kerala for an area of 0.9800ha. (SIA/KL/MIN/465522/2024)**

The Committee examined the project and noted that as per the Cluster certificate dated 21/02/2024, there are 3 other quarries within the radius of 500m without mine closure certificate and altogether having an area more than 5 ha within the cluster. Therefore, the project proponent has to conduct EIA study, submit environmental management plan, and conduct public hearing as per existing norms. **Hence, the Committee decided to direct the proponent to apply for ToR.**

Item No.05 **Environmental Clearance for the Granite Building Stone Quarry of Mr. M.M. Thomas, (M/s WAYANAD METALS), for an area of 1.2552 Ha at Re- Sy No. 545/4, 546/14, 546/11, 546/5, 546/4, 546/2, 547/3 in Vengapally Village, Vythiri Taluk, Wayanad Dist. (SIA/KL/MIN/466738/2024)**

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the project proponent for presentation. The presentation shall include the following shortcomings and shall be uploaded in the Parivesh portal.**

1. The Compensatory afforestation proposed is a vegetated area. Therefore, revised proposal indicating alternate site, it's geo-tagged photographs, land ownership details and species proposed to be planned.

Item No.06 Environmental Clearance for the Granite Building Stone Quarry of Sri. Sukumaran K, President, Ottappalam Taluk Karinkal Quarry Operators Industrial Co-Operative Society Ltd. for an area of 0.9287 Ha at Re Block No.33,Re-Survey No. 367/1-1 in Ongallur 2 Village, Pattambi Taluk, Palakkad District.(SIA/KL/MIN/466574/2024)

The Committee examined the proposal and discussed it in detail. It is noted that a ToR approved Project i.e. Granite Building Stone Quarry of M/s.J&P Constructions having an area of 3.6716 hectares with Proposal No.- SIA/KL/MIN/437598/2023 is located at a distance of 254m. **Based on discussion, the Committee decided to invite the Proponent for presentation and the PPT shall be uploaded to the Parivesh portal.**

Item No.07 Reappraisal of Environmental Clearance issued by DEIAA, for the quarry project of Sri. Saji Jose at Re.Sy.No.19/2 pt in Koodathai Village, Thamarassery Taluk, Kozhikode. (SIA/KL/MIN/465915/2024)

The Committee examined the proposal and discussed it in detail. The project was issued environmental clearance by DEIAA vide EC No.08/2017 dated 23.09.2017 and the EC period expired on 22.9.2023 (after extension obtained based on covid relaxation). The PP submitted a request for revalidation of the EC along with the copy of judgment dated 02.11.2020 against the WP (C) No.18929/2020 regarding revalidation of EC (File No.2451/EC4/2020/SEIAA). As per the decision in the 140th SEAC meeting held on 13th to 15th March 2023, a field inspection was carried out by the SEAC through Dr. A N Manoharan and Dr. C C Harilal. Many of the conditions stipulated in the EC order are not found complied with. Now the Proponent submitted application as per OM dated 28.4.2023. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include documents/explanation for the following shortcomings and shall be uploaded in the Parivesh portal.**

1. Revised Compensatory afforestation plan alongwith geo-tagged photographs, land ownership details and species proposed to be planted etc.
2. Revised CER proposal as per the guideline published in the SEIAA website.
3. CSR Fund utilization details of the existing EC.
4. CCR from the IRO, MoEFCC, Bangalore
5. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.
6. All documents as per the OM dated 28.4.2023

Item No.08 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Gopalakrishnan.V, for an area of 0.9506 Ha at Block No.13, Re-Survey Nos.111/1,110/1,112/16,112/15,112/7,112/7-2,112/17-1,117/17-2,112/17-3,112/17 in Kalayapuram Village, Kottarakkara Taluk, Kollam District. (SIA/KL/MIN/462531/2024)**

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include documents/explanation for the following shortcomings and shall be uploaded in the Parivesh portal.**

1. Contradiction in the tree cutting and tree planting details
2. Clarification regarding the CER proposal.
3. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.09 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Unnikrishnan.K for an area of 0.9166 Ha at Re Survey No. 105/1A-16 in Thachanattukkara-II Village, Mannarkkad Taluk, Palakkad District. (SIA/KL/MIN/467537/2024)**

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include documents/explanation for the following shortcomings and shall be uploaded in the Parivesh portal.**

1. The depth to water table in the nearest dug well along with geotagged photograph of the well, distance to it from the project boundary and altitude of the well site.
2. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.10 **Environmental Clearance for the Granite Building Stone Quarry Project of Usman. V.K, for an area of 0.8922 Ha at Block No. 50, Re-Sy No. 27/3-5, 27/3-6, 27/2 in Narukara Village, Ernad Taluk, Malappuram District. (SIA/KL/MIN/467662/2024)**

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the Proponent for presentation and the PPT shall be uploaded in the Parivesh portal.**

Item No.11 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Philip Tom, for an area of 3.9353 Ha at Re- Sy No. 684(Un Survey), 681/3(Un Survey), 681/2(Un Survey) in Thiruvambady Village, Thamarassery Taluk, Kozhikode Dist. (SIA/KL/MIN/467823/2024)**

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the Proponent for presentation and the PPT shall be uploaded in the Parivesh portal.**

Item No.12 **Reappraisal of EC issued by DEIAA for the Granite Building Stone Quarry of Sri. KJ Baiju, Managing Director, M/s Amma Rock Products India Private Ltd. for an area of 2.2634 Ha at Survey Nos. 1115/1, 1115/2, 1115/4, 1116/P, 1117/4 & 1117/2 in Thekkumkara Village, Thalappilly Taluk, Thrissur District. (SIA/KL/MIN/460900/2024)**

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include the following shortcomings and shall be uploaded in the Parivesh portal.**

1. Certified Compliance Report from the MoEF &CC
2. Recent cluster certificate as the one submitted is of 2017.
3. Recent Survey map certified by the Village Officer, the one submitted is dated 16-1-2016
4. Nearest houses/Built structures and forest boundary are not marked in the survey map
5. Valid RQP certificate
6. Depth to water table in the nearest dug well along with distance to it from the project boundary and altitude of the well site
7. Proof of application submitted for wildlife clearance from the NBWL.
8. Copy of EC issued by DEIAA
9. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.
10. All documents as per the OM dated 28.4.2023 for revalidation of DEIAA issued EC.

Item No.13 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Unnikrishnan. K for an area of 0.6067 Ha at Re-Survey No. 186/1,3,5 in Thachanattukkara-II Village, Mannarkkad Taluk, Palakkad District. (SIA/KL/MIN/468658/2024)**

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include documents/explanation for the following shortcomings and shall be uploaded in the Parivesh portal.**

1. The depth to water table in the nearest dug well along with geotagged photograph of the well, distance to it from the project boundary and altitude of the well site.
2. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.14 Environmental Clearance for the Granite Building Stone Quarry of Sri. Sajeev Kumar, Managing Partner, M/s Bharatha Granite for an area of 0.9982 Ha at Survey No. 127 in Thrikkur Village, Mukundapuram Taluk, Thrissur District. (SIA/KL/MIN/466653/2024)

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include documents/explanation for the following shortcomings and shall be uploaded to the Parivesh portal.**

1. The depth to water table in the nearest dug well along with geotagged photograph of the well, distance to it from the project boundary and altitude of the well site.
2. Revised CER proposal along with proof of stakeholder consultation.
3. Revised EMP with appropriate budget allocation
4. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.15 Environmental Clearance for the Existing Steel making and Rolling mill of Sri. Hashim K P, Director M/s. World Wide Iron & Steels Pvt. Ltd. for an area of 5.04 acres at Survey Nos. 13/628,629,630 in Pudussery Central Village, Palakkad Taluk, Palakkad District. (SIA/KL/IND1/467708/2024)

The Committee examined the proposal and discussed it in detail. It is observed that all the ToRs are not adequately addressed. The CER proposal need revision. **Based on discussion, the Committee decided to entrust Dr. K. Vasudevan Pillai, Dr. A. V. Raghu and Dr. K.N. Krishnakumar to evaluate the EIA report and conduct field inspection and submit report.**

Item No.16 Reappraisal of EC issued by DEIAA for the Granite Building Stone Quarry of Sri. O.A Jose, Managing Director, M/s Manikkampara Granites Private Limited for an area of 2.0172Ha at Survey Nos. 1538/6,1538/7,1538/12,1538/13 & 1538/14 in Thekkumkara Village, Thalappilly Taluk, Thrissur Dist. (SIA/KL/MIN/465588/2024)

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall**

include documents/explanation for the following shortcomings and shall be uploaded to the Parivesh portal.

1. DEIAA issued EC
2. CCR from IRO, MoEFCC, Bangalore
3. Latest Cluster certificate from the M&G Dept.
4. Proof of application submitted for wildlife clearance from the NBWL
5. Recent Survey map certified the Village Officer indicating all the houses and built structures within 200 m distance from the project boundary.
6. Valid RQP certificate
7. Certified Compliance Report from the MoEF &CC
8. Copy of EC issued by DEIAA
9. Recent Cluster Certificate.
10. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.
11. All documents as per OM dated 28.4.2023

Item No.17 Environmental Clearance for the Granite Building Stone Quarry of Sri. Muhammed Shereef for an area of 0.8174 Ha at Block No. 7, Re-survey no. 201/9 in Keralassery Village, Palakkad Taluk, Palakkad District.(SIA/KL/MIN/468533/2024)

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include the following shortcomings and shall be uploaded in the Parivesh portal.**

1. Revised Compensatory afforestation plan with geo-tagged photographs and the consent of the land owner if the land belongs to other person than the PP.
2. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.18 Environmental Clearance for the Granite Building Stone Quarry of Sri. Ajayan Joseph for an area of 0.6993 Ha at Re-Block No. 61, Re-Survey Nos. 49/4-1, 49/14 in Pookkottukavu Village, Ottapalam Taluk, Palakkad District(SIA/KL/MIN/470038/2024)

The Committee examined the proposal and discussed it in detail. A mine site of M/s. New Galaxy Metals is located at a distance of 595.44m from the project boundary. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include documents/explanation and shall be uploaded to the Parivesh portal.**

Item No.19 Environmental Clearance for the Existing Re-Rolling mill of Sri. Suthesh Kumar M, Deputy General Manager, M/s. Prince TMT Steels

Pvt Ltd for an area of 5.7210 Ha at Survey Nos. 548, 550, 554, 559 in Pudukkottai Central Village, Pudukkottai Taluk, Pudukkottai District.(SIA/KL/IND1/463274/2024)

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to entrust Dr.K.Vasudevan Pillai, Dr.A.V. Raghu, and Dr. K.N. Krishnakumar to evaluate the EIA report and conduct field inspection and submit report.**

Item No.20 Environmental Clearance for the Existing Steel Making and Rolling Mill of Sri. Hafeez Ulla, Director, M/s. Beepath Castings (P) Ltd for an area of 2.1 Ha at Survey Nos. 356/2 in Pudukkottai Central Village, Pudukkottai Taluk, Pudukkottai District.(SIA/KL/IND1/463629/2024)

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to entrust Dr.K.Vasudevan Pillai, Dr.A.V. Raghu, and Dr. K.N. Krishnakumar to evaluate the EIA report and conduct field inspection and submit report.**

Item No.21 Environmental Clearance for the Regularization of Existing Re-Rolling mill project by M/s Vadhi Steels Private Limited of Sri Mr. P. K. Moideen Koya at Re-Survey Nos 36/16,31/12,37/40,31/14,31/13 in Kuttikkattoor Village, Kozhikode Taluk, Kozhikode District. (SIA/KL/IND1/464083/2024)

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to entrust Dr. A.N. Manoharan and Dr. C. C. Harilal to evaluate the EIA report and conduct field inspection and submit report. The Committee also desired the SEIAA to depute the Environmental Officer-2 and Assistant Environmental Officer-2 of SEIAA to join the Sub Committee of SEAC for field inspection to understand the scientific process of steel making and re-rolling and environmental appraisal of such plants to ensure continuity of appraisal of such plants and strengthen the scientific capacity of the SEIAA.**

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

The Committee examined the proposal and discussed it in detail. The proposal is for reappraisal of the project DIA/KL/MIN/15846/2018 with EC No. 37/18. The Proponent has to submit all the details sought as per the OM dated 28.4.2023. **Based on discussion, the**

Committee decided to invite the Proponent for presentation and the PPT shall be uploaded in the Parivesh portal.

Item No.23 Environmental Clearance for the Granite Building Stone Quarry of M/s. JS BLUE METALS LLP, for an area of 0.8595 Ha at Sy No. 1065/1-4, 1065/3-D in Marady Village, Muvattupuzha Taluk, Ernakulam District. (SIA/KL/MIN/469930/2024)

The Committee examined the proposal and discussed it in detail. Based on discussion, the Committee decided to invite the Proponent for presentation and the PPT shall be uploaded in the Parivesh portal.

Item No.24 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Abdul Azeez C.K., (M/s Mukkom Property Developers Pvt. Ltd.), for an area of 8.1765 Ha at Re- Sy No. Un survey Kumaranellur Village, Kozhikode Taluk, Kozhikode District.(SIA/KL/MIN/467595/2024)

The Committee examined the proposal and discussed it in detail. The mining plan uploaded is not approved by the competent authority. Therefore, the Committee decided to recommend rejection of the proposal.

Item No.25 Environmental Clearance for the Regularization of Existing Steel making and Rolling mill by A. Mohammed Shafi, M/s. Minar Ispat Private Limited at Survey Nos 30/1C, 31/1, 31/2,37/2B in Kuttikattoor Village, Kozhikode Taluk, Kozhikode District. (SIA/KL/IND1/464150/2024)

The Committee examined the proposal and discussed it in detail. Based on discussion, the Committee decided to entrust Dr. A.N. Manoharan and Dr.C.C. Harilal to evaluate the EIA report and conduct field inspection and submit report. The Committee also desired the SEIAA to depute the Environmental Officer-2 and Assistant Environmental Officer-2 of SEIAA to join the Sub Committee of SEAC for field inspection to understand the scientific process of steel making and re-rolling and environmental appraisal of such plants to ensure continuity of appraisal of such plants and strengthen the scientific capacity of the SEIAA.

Item No.26 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Shaji Mathew, (M/s. Emerald Rocks), for an area of 1.7895 Ha at Sy No. 776/1-3-6, 776/1-5-4-8-2 & 776/1-5-4-8-1 in Chethackal Village, Ranni Taluk, Pathanamthitta District. (SIA/KL/MIN/470480/2024)**

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include documents/explanation for the following shortcomings and shall be uploaded in the Parivesh portal.**

1. Revised EMP prepared by a NABET accredited Agency
2. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.27 **Reappraisal of Environmental Clearance issued by DEIAA for the Granite Building Stone Quarry Project of Sri.Abdulla Koya Thangal, M/s Ruby Stone Crushers in Re.Sy.No.1 at Kattippara Village, Thamarassery Taluk, Kozhikode (Proposal No. SIA/KL/MIN/470905/2024)**

The Committee examined the proposal and discussed it in detail. The proposal is for reappraisal of EC 10/DEIAA/KL/MIN/3970/2017 dt.23-09-2017 issued for 5yrs. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include the following shortcomings and shall be uploaded in the Parivesh portal.**

1. Recent CCR from IRO,MoEFCC, Bangalore is to be submitted.
2. All the details sought as per OM dated 28.4.2023 regarding revalidation of DEIAA issued EC.
3. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.28 **Reappraisal of EC issued by DEIAA for the Granite Building Stone Quarry of Sri. Vivek vijayan, Managing Director, M/s. Kabani Blue Metals Pvt. Ltd. for an area of 4.0712 Ha at Survey Nos. 127/1250, 127/1251, 127/1253, 127/1255, 127/1256, 127/1257, 127/1258, 127/1259 and 127/1260 (Old Survey No. 127/1) in Pulingome Village, Taliparamba Taluk, Kannur District.(SIA/KL/MIN/455203/2023)**

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include documents/explanation for the following shortcomings and shall be uploaded in the Parivesh portal.**

1. CCR from the IRO, MoEFCC, Bangalore.
2. Recent Cluster Certificate from the M&G Department.
3. Reason for not submitting ToR for conducting EIA and Public Hearing
4. Revised CER as per the guideline published in the SEIAA website.
5. Modified EMP prepared by a NABET accredited agency.
6. All the documents required for reappraisal of EC from SEIAA as per OM dated 28/04/2023.
7. Clarification regarding different survey numbers and block no. in documents submitted. (Eg. Scheme of Mining, Covering letter, PFR,, Cluster certificate, Fom1M,EDS)
8. Clarification regarding the authorized signatory of documents as the PFR, the authorized signatory is Mr. Vivek Vijayan whereas in Mining scheme it is Mr.C.C Anthony.
9. Clarification whether the project area falls in Medium hazard zone or not and the proximity of High Hazard zone to the project
10. Revised Biodiversity assessment report as the one submitted is vague and not satisfactory.
11. Revised EMP with appropriate budget allocation prepared by an NABET accredited consultant.
12. Clarification regarding the Order dated 20-11-2023 in WP (C) 38449/2023 from the Hon'ble High Court
13. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.
14. All details as in OM dated 28.4.2023

Item No.29 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Joby Jose, for an area of 1.0705 Ha at Block No. 15, Re-Sy No. 207 in Kurupuzha Village, Nedumangad Taluk, Thiruvananthapuram District. (SIA/KL/MIN/470914/2024)

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include documents/explanation for the following shortcomings and shall be uploaded in the Parivesh portal.**

1. Non-Assignment Certificate is not found.
2. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.30 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Muneer P M, for an area of 1.6468 Ha at Re- Sy No. 104/1, 104/5, 104/6 in Kayakkodi Village, Vadakara Taluk, Kozhikode District. (SIA/KL/MIN/458517/2024)

The Committee examined the proposal and discussed it in detail. The proposed project was issued EC by the DEIAA vide DIA/KL/MIN/9897/2017 dt. 09.01.2018. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include documents/explanation for the following shortcomings and shall be uploaded in the Parivesh portal.**

1. CCR from the IRO, MoEFCC, Bangalore.
2. Recent Cluster Certificate from the M&G Department.
3. Revised CER as per the guideline published in the SEIAA website.
4. Modified EMP prepared by a NABET accredited agency.
5. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.
6. All the documents required for reappraisal of EC from SEIAA as per OM dated 28/04/2023.

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PART-2

Item No.01 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Nazar Hussain. K. for an area of 0.9524 Ha at Re.Survey Nos. 8/1-1, 7/1-1 of Nediyruppu Village, Kondotty Taluk, Malappuram. (SIA KL/MIN/461143/2024)**

The Committee examined the proposal and noted the request dated 23/03/2024 of the project proponent to withdraw the application since there is a cluster condition anticipated. **The Committee decided to recommend rejection of the application.**

Item No.02 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Gurudeeksha L, M/s. Chaprayil Granites Pvt. Ltd., for an area of 4.9500 Ha at Block No. 39, Re-Survey Nos. 173/4-7, 173/4-16, 176/1, 176/1-3, 177/1, 177/1-2, 177/1-3, 177/1-4, 177/1-5, 177/1-6, 177/1-7, 177/3, 177/5, 177/6, 177/6-2, 178/3, 178/3-2, 178/4, 178/5 in Chadayamangalam Village, Kottarakkara Taluk, Kollam District. (SIA/KL/MIN/460718/2024)**

As invited the Project Proponent Sri. Gurudeeksha L, M/s. Chaprayil Granites Pvt. Ltd, the EIA consultant, Smt. Ananthitha of Ultratech and the RQP, Sri. V.K. Roy were present. The Consultant made the presentation. As per the presentation, Elambaracode Plantation Forest is at a distance of 70m from the proposed site. **The Committee noted that the compensatory afforestation plan proposed is not satisfactory. Based on discussion, the Committee decided to entrust Dr. Mahesh Mohan and Smt. Beena Govindan to evaluate the EIA report and conduct field inspection and submit report.**

Item No.03 **Environmental Clearance for Granite Building stone quarry of Sri. N. Suresh at Re-Survey Nos.112/10, 112/11 & 112/20 in Block No. 21, Erimayur-1 Village, Alathur Taluk, Palakkad District, Kerala for a Mine Lease (ML) area of 0.5889 ha. (SIA/KL/MIN/463613/2024)**

As invited the project proponent Sri. N. Suresh and RQP VK Roy were present. The RQP made the presentation. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Detailed drainage plan.
2. Plan for maintaining a buffer of 50m between the project boundary and the residential building and crusher.
3. Depth to water table measured in the nearest open well to the site with geotagged photographs and distance between the well and project boundary.
4. Specific CER as per the guideline published on the SEIAA website.
5. Compensatory afforestation plan along with geo-tagged photographs of the proposed area, ownership details of land and species proposed.

6. Proof of application submitted for wildlife clearance from the NBWL.
7. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.04 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Muhammed Basheer for an area of 0.9786 Ha at Re-Survey No: 143/6-2 in Ponmala Village, Tirur Taluk, Malappuram. (SIA/KL/MIN/459132/2024)

As invited the project proponent Sri. Muhammed Basheer and RQP VK Roy were present. The RQP made the presentation. As per the application, the mineable reserve is 1,34,557.5MT. The life of mine is 3 years. The depth to water table is 8m bgl at 54m above MSL. The distance to the nearest house is 64.58m. The medium hazard zone is at a distance of 6.70km. The cluster certificate dated 25/11/2023 states that no authorized working quarry within 500m radius. As per the application the project cost is 20.24 lakhs and the CER cost proposed is Rs 41,000/- and the Proponent enhanced the CER cost to Rs. 1,23,840/- and consequently the Project Cost to Rs. 21,47,840/-. **Based on discussion, the Committee decided to recommend EC for a period of 3 years subject to the following specific conditions in addition to the general conditions and submission of the NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.

13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within the first one year 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 5.00 pm)

Item No.05 **Environmental Clearance for the Granite Building Stone quarry of Sri. Joby John for an area of 0.7300 Ha at Re Sy. Nos. 382/1 & 382/5 in Padichira Village, Sulthan Bathery Taluk, Wayanad.**
(Old proposal No. SIA/KL/MIN/140590/2020, Old File No. 1791/EC2/2020/SEIAA); (New Proposal No. SIA/KL/MIN/472498/2024)

The Committee examined the proposal submitted by the Project proponent on 14/05/2024. The Committee noted that the old proposal SIA/KL/MIN/140590/2020 was rejected and processed physically. The 158th SEAC meeting recommended EC for the mine life of 5 years based on decision of the 133rd meeting of SEIAA and the judgment dated 26.07.2023 of the Hon'ble High Court in WP(C) No. 14020/2023. The Committee also noted that the proposed site is located 3.20 km from Wayanad Wild Life Sanctuary and the PP submitted proof of application for Wild Life Clearance from the National Board of Wildlife through the Parivesh portal in response to the additional documents sought vide 120th SEAC meeting. Now the PP has submitted an affidavit that the building within 50m distance of the proposed area will not be utilized for residential purposes. As per the Application, the mineable reserve is 1,90,816 MT. The life of mine is 5 years. The project cost is 180.70 Lakh. The distance to Moderate Hazard Zone is 1.32 km and the distance to High Hazard Zone is 14.96 km. As per the presentation, the depth to water table is 7m bgl at 738 MSL. **In this circumstance, the Committee decided to adhere to the previous decision taken in the 158th meeting of the Committee to recommend EC for the mine life of 5 years subject to the specific conditions in addition to the general conditions recommended as per the 158th SEAC meeting.**

Item No.06 **Amendment in Environmental Clearance for the Construction of Commercial Complex ("Ozone Mall") project of Sri. A. K Abdul Azeez, (M/s INOA Properties & Developers LLP), for an area of 1.968317 ha at Sy. Nos. Sy. no. 1/1B-1, 4/2B-1, 146/1-5, 146/7-11, 4/2B-11, 4/2B-12, 146/3-1, 146/7-10, 4/2B-2, 146/7-2, 4/2B-3, 4/2-6, 146/1-1, 146/1-3, 146/7-9, 4/2B-4 & 4/1-2 in Pathaikkara Village, Perinthalmanna Taluk, Malappuram District.**
(SIA/KL/INFRA2/473578/2024)

The Committee examined the proposal and discussed it in detail. **Based on discussion, the Committee decided to invite the Proponent for presentation and the PPT shall be uploaded to the Parivesh portal.**

Item No.07 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Rajesh P A for an area of 0.1944 Ha at Block No.70, Re-Survey No.63/602 in Nedyenga Village, Thaliparamba Taluk, Kannur District. (SIA/KL/MIN/471844/2024).

As invited the project proponent Sri. Rajesh P A and RQP, Sri. VK Roy were present. The RQP made the presentation. **After hearing the presentation, the Committee decided to direct the PP to submit the following additional documents.**

1. Resubmit the geo-tagged photographs and video (Panoramic view) of the site and its surroundings from all the boundary pillars showing the terrain characteristics of the site and its surroundings.

Item No.08 Environmental Clearance for the Ordinary Earth Mining Project of Sri. Joshy T A, Proprietor, M/s Shivalaya Constructions Pvt. Ltd. for an area of 0.5867 Ha at Re-Survey No.127/1-1 in Alur Village, Kunnankulam Taluk, Thrissur District. (SIA/KL/MIN/471971/2024)

As invited, the Project Proponent Sri. Joshy T A and RQP Sri. D. P Sreekumar were present. The RQP made the presentation. As per the application, the total mineable reserve is 31,408 MT. The project cost is 20 Lakh. The life of mine is 1 year. The highest elevation of the proposed site is 70m above MSL and the lowest elevation is 62m above MSL. The nearest house is found at a distance of 27.89m and there are 3 other houses within 50m radius. The Medium Hazard Zone is located at a distance of 19.7km and the distance to High Hazard Zone is 22.6km. The depth to the water table is 7m bgl at 55 m above MSL. The committee noted that the nearby areas are already mined and the houses within 50m radius are found in the lower region. **Based on discussion, the Committee decided to recommend EC for a period of 1 year subject to the following specific conditions in addition to the general conditions and submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. Special effort should be taken for greening up the mined out area by planting fruit bearing trees.
2. A series of water harvesting pits should be developed so as minimize the adverse impacts on ground water.
3. The excavation activity should not involve blasting.
4. The excavation activity should be restricted to 2m above the groundwater table at the site.
5. The excavation activity should not alter the natural drainage pattern of the area
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.

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

Item No.09 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Shajahan P K, for an area of 0.2320 Ha at Re- Sy No. 38/2-28 and 39/1-11 in Kuruva Village, Perinthalmanna Taluk, Malappuram District. (SIA/KL/MIN/472679/2024)

As invited the project proponent **Sri. Shajahan P K** and RQP Sri. VK Roy were present. The RQP made the presentation. As per the application, the mineable reserve is 31,900 MT. The life of mine is 1 year. The highest elevation of the proposed area is 125 m above MSL and the lowest elevation is 123 m above MSL. As per the Certificate dated 02/04/2024, there are no authorized quarry in operation within 500 m radius. The project cost is Rs. 8,28,000 /-. The medium hazard zone is located at a distance of 2.65 km. The nearest house is located at a distance of 52.30 m. As per the presentation, the depth to water table is 12m bgl at 100m above MSL. **Based on discussion, the Committee decided to recommend EC for a period of 1 year subject to the following specific conditions in addition to the general conditions and submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

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

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

Item No.10 **Environmental Clearance for Granite Building stone quarry of Sri. Joshy P J, Managing Partner, M/s Pee Jay Granites at Re Survey No 118/1,118/2, 118/3 & 119/1(119/1-2) in Vandazhi-1 Village, Alathur Taluk, Palakkad District, Kerala for a Mine Lease (ML) area of 4.7664 ha. (SIA/KL/MIN/458413/2024)**

The Committee examined the proposal and discussed it in detail. The committee observed that there is another quarry within the 500m. Therefore, **the Proponent is directed to submit clarification regarding the cluster condition. Based on discussion, the Committee decided to invite the Proponent for presentation and the PPT shall be uploaded in the Parivesh portal.**

Item No.11 **Re appraisal of EC issued by DEIAA Palakkad, for Granite Building Stone Quarry project of Sri. Aniyam Mathew M/s Al Jouv Blue Metal for an area of 2.1676 Ha at Re survey nos. 313/2, 313/1B, 314/1 in Anakkara Village, Pattambi Taluk, Palakkad District, Kerala. (SIA/KL/MIN/420614/2024)**

As invited, Sri. Abdu E.K was present on behalf of the Project Proponent. The RQP Sri. D. P Sreekumar made the presentation. The Committee observed the following shortcomings in the proposal.

1. Revised project cost.

2. Biodiversity assessment Report.
3. Scheme of mining or Production details with balance quantity to be extracted, authenticated by the Department of Mining & Geology.
4. Specific CER as per the guideline published on the SEIAA website.
5. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.
6. All the documents required for reappraisal of EC from SEIAA as per OM dated 28/04/2023.

Based on discussion, the Committee decided to entrust Dr.A.V. Raghu and Prof. K.N. Krishnakumar for field inspection and report.

Item No.12 Environmental clearance Construction of Twin Tube Unidirectional Tunnel Road (2+2 Lane) with Four Lane Approach (from existing roads) for providing direct connectivity between Anakkampoyil-Kalladi -Meppadi in Kozhikode and Wayanad Districts of Kerala. (SIA/KL/INFRA1/458848/2024)

The Committee examined the proposal and discussed the field inspection report conducted on 22/05/2024 and observed the following salient aspects.

1. Project cost projected does not include the cost for EMP and CER
2. Environmental sensitivity of the site is high
3. Areas near to the proposed tunnel road is classified as high or moderate landslide hazard zone. In Thiruvambadi GP, 35.67 % of the total area falls under moderately unstable areas and 26.54 % of the area falls under highly unstable area. 0.96 % of the area is identified as critical.
4. The project area is known for frequent landslide, especially during monsoon season on the mountain slopes. The stability analysis shows that chances of failure exist in the project areas. The overburden slide or flow down at the interface of overburden and underlying rock is a possibility. The plantation village of Puthumala is approximately 0.85 km away from the proposed tunnel road, where a massive destructive landslide occurred during monsoon season of 2019.
5. Project area falls in Ecologically Sensitive Area (ESA) Villages. Thiruvambady Village in Kozhikode and Vellarimala Village in Wayanad are ESA Villages; It is reported that as per the Cadastral level details of ESA Villages (accessed through Kerala Biodiversity Website), the Project alignment passes through Sy Nos. 53pt, and 260 of Vellarimala Village of Vythiri Taluk, Wayanad district and Old Sy Nos. 163 of Kodenchery Village and Thiruvambadi Village of Thamarassery Taluk, Kozhikode district listed under ESA.
6. Around 5.76 km of the project alignment passes through forestland. Approximately, 17.263 Ha of forest land is to be utilized for the project, out of which 16.269 Ha forest land is for underground usage and 0.994 Ha forest land is for over ground usage.

7. A tribal settlement Aranamala Kattunaikka Colony in Wayanad - 27 families are identified as PAFs
8. 32 tribal settlements Mammikkunnu, Kuppachi, Kalladi and Aranamala colony in Wayanad falls close to the proposed tunnel road.
9. Compensatory afforestation suggested for 17.53 Ha in non-tribal private land from Wayanad South Forest Division under Kannur Circle has been identified; 1.27 Ha in Manaluvayal; 1.8 Ha in Kollivayal; 10.03 Ha in Madaparambu and 4.43 Ha in Chullikkal. Rs. It is reported that Rs. 9.05 Cr for Compensatory Afforestation Scheme with 10-year planting and maintenance is earmarked.
10. The project area is known for its rich biological diversity. Part of Nilgiri Biosphere Reserve falls within the 10 km radius of the project alignment.
11. The Report by the Rock Excavation Engineering Division of CSIR-Central Institute of Mining and Fuel Research (CSIR-CIMFR) Barwa Road, Dhanbad recommends stage wise approach utilizing controlled blasting techniques to ensure safe excavation of the proposed tunnel with complete control on ground vibrations. A detailed blast design parameter, firing patterns and other pertinent design considerations have been recommended.
12. Extreme Seepage and Subsidence / Rock Failure are to be anticipated and precaution taken
13. Presence of fracture controlled deep aquifer configuration has not been determined through deep resistivity surveys due to the practical limitations such as altitude and presence of wild life
14. The depth of cover (overburden) between the crown level of the proposed tunnel and the ground surface is varying widely from the south portal to the north portal. Near the south portal, the overburden varies between 49 - 195 m; 195 - 500 m; more than 500 m up to 1090m, gradual decrease to north portal from 483 - 232 m, 161-105 m. and finally reaches to its lowest value of 24 m.
15. The threshold safe vibration values as per the DGMS standard, comes to 2 mm/s for sensitive structures and 5 mm/s for residential structures expecting the frequency of vibration waves generated from blasting less than 8 Hz.
16. The magnitude of ground vibration (PPV) capable of triggering a landslide varies based on several factors and there are no fixed values.
17. The proposal for implementation of CER is not submitted and therefore, the cost required is not found included in the EMP
18. The EMP budget does not include the provision for implementation of all the mitigation measures and also the cost required for implementation of CER proposal. Therefore, it needs revision.
19. The Project Cost does not include the cost of EMP and CER, which is undesirable.

Based on the above observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application:

1. Impact of removal of rocks from the tunnel entry and core region including its impact on springs and groundwater regime and management plan.

2. Impact of vibration due to tunneling and blasting on the buildings and other built structures, if any, on the ground above and its immediate vicinity in the impact zone and mitigation/safeguard plan
3. Impact of seepage water and its management plan if there is an exigency situation of the tunnel encountering a saturated lineament
4. Possible air quality deterioration within the tunnel entry and tunnel core region and the management measures
5. Impact of transportation of material removed from the tunnel and construction material and transportation management plan.
6. Impact of increased traffic on the feeder roads on both the ends of the tunnel
7. Evaluation of the risks and accidents during the construction and operational phases and management plan
8. Impact of the displacement of terrestrial, aquatic and avian fauna, if any, and management plan.
9. Tabular statement of the ToR compliance including the circumstances and reasons for non-compliance, if any.
10. Details of the source of water required for the project
11. Details of the solid and liquid waste generation and its management measures proposed
12. The storage area for the muck and excavated rock materials is on the bank of two stream of which one stream is seasonal. Detailed management and safeguard measures proposed for the storage facility such that there will not be adverse impact on the streams.
13. Structural characteristics of the overburden area is not specifically evaluated due to reported constraints. Considering this, the details of the precautionary measures that will be adopted, including the possibility of continuous monitoring of vibration, stoppage of blasting during the periods when the soil saturation is high (by monitoring selected vulnerable spots), ways and means of adopting the recommendations of the CSIR-CIMFR study, etc.
14. The monitoring mechanism for vibration due to blasting during the tunneling works is proposed to be entrusted to the Contractor/ Concessionaire. The protocol and SOP for such monitoring should be prepared in detail and provided. It should also be incorporated in the EMP along with cost and also in the contracts appropriately.
15. Reply to the environmental concerns raised during the Public Consultation and written complaints received from *Kerala Nadi Samrakshana Samithi*, Ramapriya, High Road, Aluva and Green Movement, Samskrithi, Kuthiravattom, Kozhikkode including mitigation measures, if any, proposed and integration to the Environmental Management Plan (EMP).
16. Solutions/Suggestions/Proposal for reducing the impact of HWI as Wayanad is already experiencing high Human Animal Interaction (HWI) considering the following specific issue anticipated. “Any barrier at the proposed tunnel mouth in Meppadi area would force the elephants to utilize the route through the Kalladi Colony and nearby settlements which are more populated. Such a situation could lead to increased human-elephant interaction which could possibly lead to conflict situations. As such, there is

- no possibility to avoid the movement of elephants to Kuppachi forest through the populated colonies once the tunnel mouth area is blocked”.
17. Response on the formulation of a Corpus Fund Scheme, considering the probability of increased human-elephant interaction, especially in the movement paths in Meppadi Range and possible mitigation measures including ex-gratia payments. The feasibility of parking the fund in the accounts of VSS/EDC of the Meppadi Range, who will address the issues in both the Forest Ranges may also be considered.
 18. Response to the possibility of engaging an expert in the field of herpetofauna to facilitate the statement that a Team with proven credibility may be engaged/funded for monitoring the elephant movement/road kills and other related issues. Actions may also be considered for an under-passage (eg. Box culvert) along the nearby streams to ensure free movement/dispersal of amphibians during breeding season. This need incorporation in the EMP.
 19. Provision for the maintenance of additional Check posts as proposed to be included in the EMP
 20. Provision in the EMP including the protocol for monitoring the project activities by the representatives of the Tunnel Road Management, Forest Department and a Wildlife/ Biodiversity Researcher etc . and action plan for preventing the possibility of animals getting trapped in the tunnel.
 21. Action plan proposed to prevent accidental introduction, successive proliferation and invasion of alien species (weeds) that cause habitat degradation that will seriously affect food chains and ecosystem functions aggravating conflicts as there will extensive vehicular traffic and influx of people in the area during operation phase.
 22. Impact of proposed construction on the endemic and endangered Banasura Chilappan (*Montecincla jerdoni*) which is a severely range-restricted laughing thrush species, whose distribution is limited to the high-altitude shola forests (above 1400 msl).
 23. Details of the proposed location and facilities proposed to be provided at the labour camps
 24. Proposal for Corporate Environmental Responsibility program as envisaged in the guidelines of CER uploaded in the SEIAA-Kerala website
 25. Revised EMP along with all the mitigation measures addressing the human wildlife interaction and also addresses issues affecting tribe population in the short and long term.
 26. Revised Project Cost incorporating the cost of Environmental Management Plan, Environmental Monitoring Plan and CER proposal
 27. 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. The certificate should include the nature of land, nature of possession and a report on natural hazards like landslides, etc., if any.
 28. Plan proposed for the development of the feeder roads at both the ends as the carrying capacity of the existing roads, proposed to be used as feeder roads is found extremely limited.

Item No.13 **Environmental Clearance for the Granite Building Stone Quarry project of Sri. Nadukkanchira Abdulkasim, Designated Partner, M/S Cruston Aggregates LLP for an area of 0.9995 Ha at Survey Nos. 418/1-2, 418/2-1, 418/3-1, 418/3-2, 418/4, 418/5, 418/6, 418/7 in Kulukkallur Village, Pattambi Taluk, Palakkad. (SIA/KL/MIN/464787/2024)**

As invited the project proponent Sri. Nadukkanchira Abdulkasim and RQP Sri. C. Balaraman were present. The RQP made the presentation. **The Committee decided to entrust Dr. AV Raghu and Dr. K.N. Krishnakumar for field inspection and report.**

Item No.14 **Environmental Clearance for the Development of additional RESA on either end on Runway 10-28 and relocation and augmentation of CNS facilities at Calicut Airport by Airports Authority of India, at Re-SurveyNos.170/8,170/9,170/10,170/11,170/17,177/9,177/10,177/13,177/14,177/15,177/16,177/17,177/18,178/7,178/16 in Pallikkal village and 70/29,71/22,69/1,69/2,69/12,69/13,69/14,63/1,63/6,63/7,63/27,63/28,63/29,63/30,63/31,64/1,64/2,64/3,64/10,64/33,65/3,67/8,67/9,67/10,68/1,63/8,63/11,63/17,63/19,63/21,63/23,65/13 in Nediyruppu Village, Kondotty Taluk, Malappuram. (SIA/KL/INFRA2/468530/2024)**

The Committee examined the proposal and discussed the field inspection report conducted on 21.5.2024 and 02/06/2024. The Committee also noted the oral submission of the Proponent to the field inspection team that only two activities will be undertaken as part of the project comprising of filling the land and developing and extending the RESA as per international standards and consequent requirement of shifting of CNS facilities. As required for filling and developing the RESA of the table-top runway, certain quantity of ordinary earth will have to be extracted and transported to the site and construction work undertaken. It is submitted that the Airport is operating with adhoc permit and restrictions imposed due to the lack of RESA of international norms. Other than constructing the RESA and shifting the CNS facilities, there will not be any modification of the activities of the airport. Considering the urgent requirement of developing the RESA, in compliance to international norms and the restrictions imposed on passenger load in flights, the Airport Authority requested a speedy processing of their application for EC. The Committee noted the request of the Proponent and observed the following salient aspects.

1. The shortcomings raised during the presentation as reflected in the minutes of the 164th meeting of SEAC are addressed satisfactorily in the revised EIA report submitted except the clarification regarding CER and sourcing of filling material.
2. Regarding the proposal pertaining to CER, it is stated that an amount of Rs. 1000 lakh (Non- recurring) and Rs 15 lakh (Recurring) is earmarked in the EMP budget as per the revised EIA report. The activities under CER are not suggested. It is stated that the CER proposal will be finalized in consultation with State Govt. and District Administration. It is also stated that necessary action will be taken with AAI, CHQ to increase the CER cost from Rs.500/- lakh (as per the presentation on 9.5.2024) to

Rs.1000 lakh in due course.

3. Regarding the sourcing of ordinary earth for the filling and building of additional RESA, 75 mine sites have been identified in an average lead of 20 km from the site (Calicut International Airport). It is also stated that all the identified mine sites are verified for their landslide susceptibility as per the map published by State Disaster Management Authority and mine sites are in safe zone. It is also stated that the PP proposes to follow the guidelines specified in O.M. dated 24.06.2013 issued by MoEF for grant of environmental clearance for mining of “brick earth” and “ordinary earth” having lease area less than 5 Ha.
4. Certified Compliance Report dated 13.2.2024 from the IRO, Bangalore does not highlight any non-compliance
5. Monitoring data for all the 8 AAQM stations reveals that the average value of concentrations of PM10 and PM2.5 vary between 28.9 ug/m³ to 66.4 ug/m³ and 17.7 ug/m³ to 44.2 ug/m³ respectively. The concentration of SO₂ and NO_x were found to be between 6.4 ug/m³ to 16.0 ug/m³ and 11.4 ug/m³ to 29.2 ug/m³ respectively and CO was found between 0.28 mg/m³ and 0.84 mg/m³.
6. Ambient noise levels measured at 8 locations around the project site indicated that the minimum and maximum noise levels recorded during the day time were from 50.2 Leq dB to 63.64 Leq dB respectively and minimum and maximum level of noise during night time were 40.25 Leq dB to 53.2 Leq dB respectively.
7. The soil is basic in nature and there is no anomaly with respect to the soil properties.
8. The ground water indicated pH from 7.53 to 7.88, Total Hardness from 139.8 to 170.96 mg/l and Total Dissolved Solids from 338 to 379 mg/l.
9. The surface water indicated pH varies from 7.67 to 7.96, Total Hardness from 212 to 580.15 mg/l, Total Dissolved Solids from 472 to 980 mg/l, BOD from 6.1 to 30 (mg/l) and COD from 28 to 90 (mg/l)
10. Detailed Wild Life Conservation Plan with a budget estimate of Rs. 5 Lakh submitted and incorporated in the EMP
11. Details of solid waste (degradable, non-degradable, domestic hazardous, sanitary and e-waste) generation is not detailed stating that the ongoing activities pertaining to the airport will not change
12. Details of parking facility is not provided stating that the ongoing activities pertaining to the airport will not change.

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

1. Revised EIA document
2. Details of the selected sites for extraction of ordinary earth along with survey numbers, area proposed to be mined, quantity proposed to be extracted, status of cluster situation and environmental and ecological characteristics of the site considering the following observation. “The Proponent proposes to extract 33,52,705 m³ of ordinary earth for completing the building the RESA. The Proponent stated that the extraction will be done complying the guidelines specified in O.M. dated

24.06.2013 of the MoEF &CC. Hence, extraction should be limited to a maximum depth of 2m below ground level. The Proponent has provided details of 75 sites having an area of 21.8805 Ha and mineable reserve of 52,62, 839 m³ falling in 21 clusters. The field inspection has been carried out in 39 sites falling in 5 cluster with total area of 11.4851 Ha and mineable reserve of 26,95,376 m³. Among these sites, the adverse impact is relatively higher in Cluster I and III. The extraction of the rest of the requirement of about 7 lakh m³ shall also be permitted to be extracted from sites that do not fall in landslide hazard zone, ecologically sensitive zones and socio-culturally prohibited sites and comply with the guidelines stipulated in the OM dated 24.6.2013 including the distance norms, i.e., 15m buffer between project boundary and built structures including residential houses”

3. Detailed CER Proposal considering the following observation. “As per the revised EIA report, the Proponent proposes to earmark an amount of Rs. 1000 lakh (Non recurring) and Rs 15 lakh (Recurring) in the EMP budget. However, the activities under CER is not suggested. It is stated that the CER proposal will be finalized in consultation with State Govt. and District Administration. It is also stated that necessary action will be taken with AAI, CHQ to increase the CER cost from Rs.500/- lakh (as per the presentation on 9.5.2024) to Rs.1000 lakh in due course”.

Item No.15 Environmental Clearance for the Integrated Manufacturing Cluster (IMC) in Kerala Under Kochi-Bengaluru Industrial Corridor (KBIC) at Kannambra I village of Alathur Taluk in Palakkad District (SIA/KL/INFRA2/456060/2023)

The Committee examined the proposal and discussed the field inspection report conducted on 21-05-2024 and noted the following salient aspects in the field.

1. Rehabilitation and Resettlement (R&R) assistance for land acquisition is being paid under Kerala Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Rules, 2015.
2. Site is predominantly agricultural land (rubber plantations, mixed crops, paddy, pineapple gardens) with limited settlements. The existing land use pattern includes open scrubland, agricultural fields, and few residential units. It is left idle for the project construction
3. Formulated a Wildlife Conservation Plan (Appendix G) for the protection and conservation of Schedule-I species. This will provide enough opportunities for wildlife to move outside the project site and seek foraging and breeding grounds in the adjoining areas, thereby minimizing the impacts (EIA-263)It is not clear whether it has the approval of the DFO for implementation of the conservation strategies.
4. The emergency response plan to include SoP to mitigate human-wildlife conflict (EIA-155)
5. Security guards to be trained by a local NGO in snake rescue, they should be equipped with PPEs, and should be trained to respond to snake calls at the earliest. Kerala Forest Department on request, will be able to support
6. CETP is located adjacent to the RWH

7. A branch from Mangalam River enter the site from the NE corner and exits the site at the western boundary. The existing canal has a width of about 2.5m within the Site and is used mainly for irrigation purpose.
8. There is a seasonal pond at the SW edge of the Site covering an area of about 0.126 acres
9. Site development according to the slope can prevent the blockage of surface run-off

Based on the above observations and discussion, the Committee decided to invite the Proponent for presentation of the project proposal. The presentation shall also address the following aspects.

1. While preparing the CER proposal, the feasibility for supporting well recharging facility for the local population shall be explored
2. EIA report did not address the additional ToR “Necessity and feasibility of primary treatment at the individual industry level prior to letting out the effluents to common treatment plant for improving efficiency”. A detailed statement as to the type of primary treatment proposed to be included in the project for each type of industry and how it will be integrated with the proposed CETP should be submitted.
3. EIA report did not address the additional ToR “Overall water use in the basin is to be examined to ensure that the drawal of water for industrial use by the IMC will not cause shortage of water for use in agriculture and drinking water. Additional water conservation and harvesting measures are to be considered to overcome this problem”. A detailed statement considering the overall water use in the basin and water balance of the proposed source of water and the increasing water requirement of the project over the years should be prepared and submitted
4. The site with about 5-6 natural drains and its micro watersheds is conducive for developing alternate source of water which will be useful in the event of any water stress condition to the source proposed in the project. Therefore, a detailed conservation plan for the natural drains and its watersheds consisting of water recharging measures and water harvesting facilities proposed in each micro watershed should be prepared and submitted
5. Conservation plan for the existing canals, streams and ponds in the proposed site
6. There are a number of wells in the proposed project area. Based on well inventory, the maximum and minimum depth to water table should be provided with projected water during summer season
7. Infrastructure development on the project area should ensure uninterrupted drainage towards the valley portion of the land where facility for water harvesting and discharge of excess water to nature drainages should be planned and implemented. A proposed plan for the same should be submitted
8. Proof of application submitted for wildlife clearance from the NBWL considering the fact that the Peechi-Vazhani Wildlife sanctuary and the Chimmini wildlife sanctuary are located within 10km distance
9. Clarification regarding the approval of the DFO for implementation of the wildlife conservation strategies.

10. SoP for mitigating human-wildlife conflict, if any and safeguard against nuisance and accidents due to animals in the compound
11. Impacts and mitigations required as the CETP is proposed to be located adjacent to the RWH facility
12. Proposal for Corporate Environmental Responsibility Plan and the proposed cost as per the guidelines uploaded in the SEIAA-Kerala website
13. The solid waste management plan lack details. The type and quantity of anticipated generation of municipal solid waste, its collection and transportation from different sources, provision for segregated storage and processing and safeguards required to be provided etc should be worked out and detailed plan and cost anticipated should be worked out and submitted.
14. The Environmental Management Plan for many of the mitigation measures are sketchy in nature. It should be revised by incorporating specific management measures
15. The following details are not found included in the Application, PFR and EIA report and therefore, to be submitted
 - a. Height of the buildings proposed
 - b. Floor Area Ratio details
 - c. Minimum and maximum depth to the bed rock
 - d. Tree cutting details
 - e. Earth required to be removed from project site
 - f. Proposed facilities for storage of goods or raw materials
 - g. Covered storage area for recyclables
 - h. Distance to Eco-sensitive areas
 - i. Energy Conservation Measures: Not given in detail

The Committee decided to convene its 167th meeting on 22th June 2024 (Online platform) and its 168th meeting on 8th to 11th of July 2024 (Physical)

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	11.06.2024	12.06.2024	13.06.2024
1.	Dr. R. Ajayakumar Varma (Chairman)	✓	✓	✓
2.	Sri. S. Sheik Hyder Hussain	X	X	X
3.	Dr.A.Bijukumar.	X	X	X
4.	Dr.A.N.Manoharan	✓	✓	✓

5.	Shri. M. Dileepkumar	X	X	X
6.	Smt. Beena Govindan	X	√	√
7.	Dr.C.C. Harilal	√	√	√
8.	Dr.K.VasudevanPillai	√	√	√
9.	Dr. MaheshMohan	√	√	√
10.	Dr.K.N. Krishna kumar	√	√	√
11.	Sri.V. Gopinathan	√	√	√
12.	Dr.A.V. Raghu	√	√	√
13.	Dr.N. Ajithkumar	√	√	√
14.	Suneel Pamidi(Secretary)	√	√	√