

**MINUTES OF THE 146TH MEETING OF THE SEAC, KERALA HELD FROM
5TH TO 7TH JULY, 2023, AT THE CONFERENCE HALL, STATE
ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA**

146.01 **Confirmation of the minutes of the 145th SEAC meeting held on 19th July 2023.**

Decision: Confirmed.

146.02 **Revalidation of Environmental clearance for the proposed Building stone quarry project in Re Survey No. 76/8, 77/1, 77/2, 78/6, 97/1, 97/2 at Mancode Village, Kottarakkara Taluk, Kollam District, Kerala by Sri. Arun Varghese, Managing Partner, M/s Tasna Mines (File.No.1201/EC2/ 2018/ SEIAA)**

Decision: Based on the direction of the 145th SEAC meeting, the proponent was invited for presentation. The proponent informed that he was unable to attend the meeting. Hence Committee decided to defer the proposal.

146.03 **Request for Revalidation of EC for the proposed building stone quarry project, M/s Poab's Granites Pvt. Ltd at Sy. Nos. 459/1-1 pt, 459/2, 460/10, 12, 460/2-1 pt, 46/2-2, 461/4, 461/1, 462/1 pt, 462/2, 462/3, 446/4 pt, 446/7 pt, 446/8 pt, 462/5, 461/2, 461/3, 447/3, 2 pt, 448/3 pt, 2, 1, pt, 452/5 pt, 452/4, 6, 7, 8 in Peroorkada Village, Thiruvananthapuram Taluk, Thiruvananthapuram Revalidation of EC. (File No. 1071(A)/EC1/2016/SEIAA)**

Decision: Based on the decision of the 141st SEAC meeting, the proponent was invited for presentation. The proponent informed that he was unable to attend the meeting. Hence Committee decided to defer the proposal.

146.04 **Environmental Clearance issued from SEIAA, Thiruvananthapuram for the granite building stone quarry of Sri. Thomas Jacob, M/s Poabs Enterprises Pvt. Ltd at Sy. Nos. 259/1, 256/4, 265/1, 272/1, 272/7, 272/6, 271/3, 271/6, 273/1, 270/1, 265/2, 271/2, 270/2, 269/2, 272/2-2, 273/3, 274/1-2, 268/9-2, 266/15, 266/24, 266/16-1, 266/16-2, 271/7-1, 271/7-2, 271/7-3, 272/5, 267/5, 268/2-1, 268/2-2, 268/3-2-1, 268/3-2-2, 268/5-2, 268/6, 268/7, 269/9-2, 268/8-1, 268/8-2, 268/4, 268/4-2, 268/4-3, 271/4, 271/5 in Chithara Village, Kottarakkara Taluk, Kollam, Kerala - Revalidation of EC. (File No. 1108/EC/SEIAA/KL/2017)**

Decision: Based on the decision of the 141st SEAC meeting, the proponent was invited for presentation. The proponent informed that he was unable to attend the meeting. Hence Committee decided to defer the proposal.

146.05 Request for Revalidation of EC for the proposed Building Stone Quarry Project, M/s Poab's Granites Products Pvt. Ltd in Sy. No. 380/3-2, 164/1-26, 164/1-151, 164/1-93, 164/1-31, 164/1-80, 164/1-32, 164/1-29, 164/1-79, 164/1-38, 164/1-101, 164/1-91, 164/1-92, 164/1-19, 164/1-90, 368/3, 368/4, 164/1-95, 164/1-108, 164/1-148, 164/1-156, 164/1-157, 164/1-158, 164/1-159, 164/1-160, 164/1-161, 379/1-2, 379/6, 379/7-2, 164/1-39, 164/1-149, 164/1-30 and 380/3, Ayyampuzha Village, Ayyampuzha Panchayat, Aluva Taluk, Ernakulam District, Kerala (File No. 961/SEIAA/EC3/4471/2015)

Decision: Based on the decision of the 141st SEAC meeting, the proponent was invited for presentation. The proponent informed that he was unable to attend the meeting. Hence Committee decided to defer the proposal.

146.06 Environmental Clearance for the Proposed Granite Building Stone Quarry Project in Survey No.172 at Kodyathoor Village, Kozhikode Taluk, Kozhikode District, Kerala by Sri. Binu K Mathew, Managing Director, M/s Poabs Rock Products Pvt.Ltd. (File No.1074/EC4/2016/SEIAA)

Decision: Based on the decision of the 141st SEAC meeting, the proponent was invited for presentation. The proponent informed that he was unable to attend the meeting. Hence Committee decided to defer the proposal.

146.07 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K. A. Abraham, Managing Director, M/s.Poabson Granite Products Pvt. Ltd., in Survey No. 59/2 at Kariyavattom Village, Perinthalmanna Taluk, Malappuram (File No.946/SEIAA/EC1/4152/2015)

Decision: Based on the decision of the 141st SEAC meeting, the proponent was invited for presentation. The proponent informed that he was unable to attend the meeting. Hence Committee decided to defer the proposal.

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

Decision: As invited, the proponent Sri. V Abdul Kareem and RQP Sri. Damodharan were present. The RQP made the presentation. As per the presentation, the mineable reserve as per the Mining Plan is 15,68,548.25 MT with a mine life of 10 years. The Committee observed that the proponent has mined out a small area within the project area based on the mining Plan approved dated 31/1/2018. In order to ensure that the original Mining Plan can be implemented, the proponent may be asked to submit a Certificate from the Director of Mining and Geology stating that the Mining that had already undertaken will not affect the execution of the original Mining Plan for which EC was issued in 2016.

146.09 Environmental Clearance for the building stone quarry project in Survey Nos. 147/2 (pt), 149/1(pt), 149/2 (pt), 150/1, 150/3(pt), 151/1(pt) & 151/2(pt) at Urangattiri Village, Ernad Taluk, Malappuram - Judgment dt.19.07.2021 in WP(C) No.14366/2021 - Revalidation of EC (File No. 1021/EC1/001/SEIAA/2016)

Decision: As invited, the proponent Sri. Muhammed Nisar Vayalil and RQP Sri. Cyriac Joseph were present. The RQP made the presentation. As per the presentation, the mineable reserve is 23,02,755MT. The nearest inhabitants are more than 101 m away from the boundary of the mining Lease area. The nearest human settlement is at Urangattiri, which is located at 1.20 Km away. The Project cost is 898.50 Lakhs and Life of mine is 12 years. The Committee decided to direct the proponent to submit the following additional documents:

1. Details of top soil and overburden storage and its protection including geo-tagged site photographs .
2. Drainage plan along with geo-tagged site photographs.
3. Detailed report on the site-specific Plant Species to be planted.
4. Certificate from the District Crisis Management Committee.
5. Details of CER plan prepared as per norms.
6. Certificate from the Mining and Geology regarding the quantity mined out.

146.10 Environmental Clearance for the quarry project in Sy. Nos. 34/2 Pt., 30/2/2 Pt., 20/7 Pt., 30/2/3 and 20/1 Pt. at Oorakam Village and Panchayath, Tirurangadi Taluk, Malappuram District, Kerala by Sri.K.Mohammed Akbar, M/s. Ooragam Metals Ltd. – Judgment dated 01.02.2021 in WP(C) No.2512 of 2021 - Revalidation of EC – (File No.120/SEIAA/KL/2186/2015)

Decision: As invited the proponent Sri. Mohammed Akbar and Consultant Sri. Haneesh Panicker, EIA Co-ordinator and functional expert on behalf of ABC Techno Labs India Private Limited were present. The Consultant made the presentation. The Committee verified the documents submitted by the proponent and decided to direct the proponent to submit the following additional documents:

1. CER proposal prepared as per norms based on need assessment study.
2. Approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014
3. Website address of the company

**146.11 Monitoring the functioning of quarry of M/s Adani Vizhinjam Port Pvt. Ltd-
Field Inspection Report -reg (File No.1200/EC2/ 2018/SEIAA)**

Decision: The Committee discussed the field inspection report conducted on 12.11.22 and the response of the proponent received. The Committee decided to transfer the same to SEIAA for further directions, if any.

**146.12 Environmental Clearance for the Proposed Quarry Project in Sy.No. 172 (pt)
at Kodyathoor Village, Kozhikode Taluk, Kozhikode District, Kerala by
Sri.O.Sivarajan.(Judgment in WP© No. 15708/2021 filed by Sri.Akhil.O-
regarding the validity of EC). (File No.917/SEIAA/EC4/3671/2015)**

Decision: The Committee perused the request for revalidation of the proposal and verified the documents. The Committee noted that the EC was issued on 03.03.2017 and the CCR was received from the IRO, MoEF&CC, Bangalore. The Committee verified the other documents submitted by the proponent and discussed the field inspection report conducted on 30.09.22. Based on the discussions, the Committee decided to recommend that the project is eligible for revalidation of EC for a period of 14 years from the date of the original EC i.e. 03.03.2017 subject to the following additional specific conditions in addition to the Specific and General Conditions stipulated in the original EC.

1. The revalidation of EC is limited to the period of lease i.e., up to 20.4.2029.
2. Green belt should be strengthened with indigenous species of trees all along the buffer zones
3. Blasting should be conducted with a maximum of 30 holes in a blast round using 32mm diameter blast holes drilled with handheld Jack hammer drill to a maximum depth of 1.5m and each hole charged with a maximum of 250gm of explosive.
4. NONEL based shock-tube detonators should be used for initiation so as to have hole to hole delay of 17ms and 25ms and accordingly row to row delay of 25ms or 42ms.
5. Adequate muffling arrangements should be made to restrict fly rocks within 10m.
6. Impact of blast induced vibration should be monitored at the nearest built structures and submitted along with the half-yearly compliance report.
7. The garland canal and connected catch water drains should be provided with intermittent silt traps and siltation ponds and the entire filtered water should be discharged through the natural drain.

8. A water holding and clarifier pond should be set up at the bottom portion of the site to prevent outflow of turbid water.
9. The garland canal, catch water drains, silt traps, water holding and clarifier pond and outflow channel should be cleaned and desilted periodically and geo-tagged photographs of the process should be included in the Half Yearly Compliance Report.
10. The rain water harvesting structure in the lower part of site should be expanded and maintained appropriately.
11. The existing steep cutting should be set right by correcting the benches with stipulated height and width prior to the commencement regular mining
12. Planting of trees of local species on both sides of the road within the project site should be completed prior to the commencement regular mining.
13. Compensatory afforestation should be done with indigenous species of trees as required
14. Environment Management Cell (EMC) should include one subject expert in environment management. The detailed proceedings of the monthly EMC meeting should for part of the half-yearly compliance report.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
16. Adequate sanitation, waste management and rest room facilities should be provided to the workers
17. Energy conservation measures should be improved by adopting more solar power installations
18. Mining to be commenced after getting approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05-2014 as per the stipulation in the Kerala State Disaster Management Plan, 2016 published under Section 23(1) of Disaster Management Act, 2005.

146.13 Environmental Clearance for the quarry proposed quarry project in Re Sy.No.424/3,425/1 at Maruthonkara Village, Maruthonkara Panchayth Vadakara Taluk, Kozhikode District, Kerala by Sri.Samile.M.Anto (Judgment in WP© No. 19039/2020 filed by Sri. Smile.M.Anto- regarding the validity of EC). (File No.2452/EC4/2020/SEIAA)

Decision: The Committee verified the documents submitted by the proponent and filed inspection report conducted on 04.06.22. The Committee found that the project area is located along the flank of a hillock with a maximum elevation 105m and a minimum is 75m. The lower boundary of the project area is shared with an old quarry pit with a minimum elevation of about 35m. The lower part of the existing quarry pit is waterlogged. Overburden soil thickness at the eastern fringe of the quarry face is about 7 to 8m. The topsoil from this area is used for filling the old quarry pit. The filling process is in progress. At present there is no retaining wall provided to the lower open part of the abandoned pit. No benches are maintained. The quarry

face has got a slope of more than 45°. Proper drainage is not provided in the project area. Garland canal is not maintained. The first-order seasonal drainage needs to be properly diverted and connected to the nearby natural channel. Considering the above aspects the Committee decided to give 6 months' time to rectify the above shortcomings.

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

The 100th meeting of the Authority held on 23rd & 24th December 2019 sanctioned EC to the project subject to certain specific conditions in addition to general conditions, the first condition was *“In the field inspection report of Sub Committee of SEAC, it is seen that there are two more quarries operating near to the proposed quarry site. This may lead to cluster situation if the leases are issued after 9th September 2013. In that case the proponent shall submit an Environment Management Plan(EMP) as per S.O 2269(E) dt.01.07.2016 of MoEF& CC to the satisfaction of SEAC within 6 months. The proponent as well as other quarry owners shall carry out all the activities mentioned in the Environment Management Plan for treating the entire cluster area to ensure the environmental stability of the cluster and the region. The expenditure incurred for preparing EMP through an accredited agency shall be shared by all the quarry owners. The compliance report shall be reported in the meeting of SEIAA to be held in July 2020”*. This was not complied with and the 121st meeting of SEIAA held on 29th & 30th December 2022 viewed the derelictions of the Project Proponent seriously and decided to (i) Issue a Stop Memo to the Project Proponent with forwarded to Mining and Geology Department for necessary action and (ii) Issue a Show Cause Notice for the cancellation of EC, with a direction to the Project Proponent to submit the explanation for the Show Cause Notice within 15 days from the date of Notice. The 125th meeting of SEIAA held on 28th & 29th March 2023 noted the revised EMP submitted by the project proponent and decided to refer the revised EMP to SEAC for examination and for recommendation to revoke the stop memo. The SEAC got it evaluated by one of the Members of SEAC and the report was discussed in detail. The Committee noted that the EMP document does not indicate that it is evolved based on consultation with other quarry owners and that there is no proposal to ensure that the proponent as well as other quarry owners shall carry out all the activities mentioned in the Environment Management Plan for treating the entire cluster area to ensure the environmental stability of the cluster and the region. It is also unsure whether the direction of SEIAA that the expenditure incurred for preparing EMP through an accredited agency shall be shared by all the quarry owners. In the circumstance, the Committee decided to invite the Proponent to present the EMP prepared in the next meeting to clarify the points mentioned above.

146.15 EC issued to M/s Prestige Hill Side Gate Way-Thrikkakara Municipality -

Complaint received from Link Valley Association against M/s Prestige Hill side Gate Way project - EC issued (File No. 588/SEIAA/KL/4504/2014)

Decision: The Committee verified the documents submitted by the proponent and **decided to entrust Sri. Sheik Hyder Hussain and Dr. Ajayakumar Varma for field inspection and report.**

146.16 Environmental Clearance issued by DEIAA, Kannur -Judgment dated 04.01.2022 in the WPC No.20583/2021 filed by Sri.Savith Erayi, Kannur before the Hon'ble High Court of Kerala. (File No.2792/EC4/2021/SEIAA)

Decision: The Committee discussed the field inspection report conducted on 06.03.2023 and observed that precautionary principle should be applied to the site. Considering this, the Committee decided to recommend cancellation of the EC due to the following reasons:

- The project area falls on a very steep slope flank of a hill. The feasibility of quarry operation is extremely poor.
- The location is in the moderate hazard zone which is in continuation with high hazard zone (140m west).
- The boulders found in the project area can cause accidents due to induced drifting down .
- Poovathar, a perennial stream flows through a gorge-like structure with steep vertical hard rock walls as banks. The stream flows as waterfalls (Povathar waterfall) and cascades very near to the project site (the western boundary of the project area is located very near to the stream).
- The location is ecologically sensitive and rare aquatic species are seen in the stream.

146.17 Suggestions put forth by the Representatives of RQPs, EIA Consultants and Quarry Owners Association on the training/interactive session on various aspects of EC for development projects (File No: 2703/A1/2022/SEIAA)

Decision: The Committee decided to seek the e-copy of the suggestions indicated in the Agenda Note to be circulated to the Members of the SEAC.

PART 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/INFRA2/404656/2022 , 2140/EC1/2022/SEIAA

Environmental Clearance for the Proposed City Side Developmental Project at Pettah Village, Thiruvananthapuram Municipal Corporation, Taluk & District, Kerala to be developed by M/s Adani Airport Holdings Limited. (Additional Documents Received)

Decision: The Committee verified the documents submitted by the proponent and found that the detailed CER plan sought by the Committee does not contain physical targets and details of the implementation plan. Hence Committee decided to direct the proponent to submit a revised CER in accordance with the stipulated norms.

2. SIA/KL/MIN/129757/2019, 1578/EC3/2019/SEIAA

Environment Clearance for the Granite Building Stone Quarry Project of Sri.Musthafa M.K for an area of 0.6111 Ha at Survey Nos.155/1, 154 at Karakkunnu Village, Eranad Taluk, Malappuram (Additional Documents Received)

Decision: The Committee examined the proposal and scrutinized the additional details submitted. The Committee observed that the mineable reserve is 0.59613.1 MT (11922.6 MTA). The life of Mine is 5 years. The project cost is 60 Lakh. The presentation was done in the 130th meeting. Based on discussions, the Committee decided to recommend EC for a mine life of 5 years subject to the following Specific Conditions in addition to the General Conditions:

1. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
2. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
3. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
4. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
5. Geotagged Photographs of the progress of compensatory afforestation shall be submitted along with HYCR
6. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).
7. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
8. Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites
9. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
10. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).

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

3. SIA/KL/MIN/131683/2019, 1813/EC3/2020/SEIAA

Environmental Clearance for Granite Building Stone Quarry of Sri. N.A Thomas for an extent of 0.9668 Ha, Survey No 372/1A/3/8, 372/1A/4/9 & 372/1A/4/9 in Kottappady Village, Kothamangalam Taluk, Ernakulam - District, Kerala.
(Additional Documents Received)

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee observed that the proposal is to extract granite building stone from the site with total mineable reserve of 281940 MT (56388 MT per annum) and mine life of 5 years. The project cost is 1.27Cr. The presentation was done in the 131st meeting and field inspection was conducted on 07.05.2022. Based on discussions, the Committee decided to recommend EC for a mine life of 5 years subject to the following Specific Conditions in addition to the General Conditions:

1. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
2. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
3. The road to the quarry should be black-topped or surfaced with interlocks prior to the commencement of mining.
4. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration

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

4. SIA/KL/MIN/132766/2019, 1718/EC6/2020/SEIAA

Environmental Clearance for the Granite Building Stone Quarry of Sri.M.Kunhi Muhammed for an area of 0.6301 Ha. at Re- survey no. 337/1 in Morayur village, Kondotty Taluk, Malappuram. (Additional Documents Received)

Decision: The Committee verified the documents submitted by the proponent and observed that the CER indicated earlier was 70 lakh and it didn't find place in the budgetary estimates and also CER is not integrated with EMP and project cost. Also, maintenance cost shown need to be detailed. Therefore, the Committee decided to direct the PP to rework the CER and submit.

5. SIA/KL/MIN/166371/2020 , 1758/EC4/2020/SEIAA

Environmental Clearance for the proposed granite building stone quarry of M/s M.A.Granites, in Re Survey No: 84/1, 84/2B Resurvey Block No: 1 Balussery

Village, Koyilandy Taluk, Kozhikode District, Kerala (Additional Documents Received)

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr. A N Manoharan and Dr. C C Harilal for filed an inspection and report.

6. SIA/KL/MIN/222256/2021, 1919/EC4/SEIAA/2021

Environmental Clearance for the Proposed Granite Building Stone Quarry of Sri. Haridasan for an area of 3.5823 hectares at Re Survey No. 3/1047, 3/1419, 3/1416, 3/1418 of Engapuzha Village, Thamarassery Taluk, Kozhikode Kerala. (Additional Documents Received)

Decision: The Committee verified the documents submitted by the proponent and decided to invite the proponent for a presentation.

7. SIA/KL/MIN/239511/2021 , 2096/EC4/2022/SEIAA

Environmental Clearance for ELAYADAM CONSTRUCTIONS PVT LTD for an area of 0.9999 ha in Sy. No. 285/2,6 in Purameri Village, Vadakara Taluk, Kozhikode (Additional Documents Received)

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee observed that the proposal is to extract granite building stone of total mineable reserve of 358640MT MT (120000 MT per annum) with a mine life of 4 years. The project cost is 130 Lakh. The elevation difference is 120m and 100m above MSL. The presentation was done in the 140th meeting and field inspection was conducted on 05/04/2023. Based on discussions, the Committee decided to recommend EC for a mine life of 4 years subject to the following Specific Conditions in addition to the General Conditions:

1. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
2. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
3. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
4. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration

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

8. SIA/KL/MIN/250609/2022 , 2015/EC4/2022/SEIAA

Environment Clearance for the Proposed Granite Building Stone Quarry, M/s Super Stone Crusher at Un. Sy. No. 1452 (Pt) and 1453(pt) (Not final) of Koodaranji Village, Thamarassery Taluk, Kozhikode District of Kerala for an extent of 1.1915 Ha. (Additional Documents Received)

Decision: The Committee examined the documents submitted by the proponent and observed that they are not found satisfactory; such as drainage plan, compensatory afforestation plan, EMP, details of the source sustainability of water etc. Further, the blast hole proposed in the mining plan and EMP are contradictory. The Committee discussed the environmental fragility of the site with respect to slope, biological diversity, accident/ disaster proneness, and risk involved in detail. 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 which can drift down due to blast induced vibration, causing

accidents. The access road is being developed. On holistic consideration of the environmental fragility of the site and its surroundings and also invoking precautionary principles, the Committee decided not to recommend EC for the project.

9. SIA/KL/MIN/260249/2022 , 1976/EC1/2022/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry of Sri.P. A. SAID MUHAMMED, Managing Partner, M/s KORIAN GRANITES in Re-Survey No. 201/1 in Keralassery Village, Ottappalam Taluk, Palakkad District, Kerala for an extent of 0.5684 Ha (Additional Documents Received)

Decision: The Committee examined the documents submitted by the proponent and observed that the width of the proposed site is extremely limited and it reduces towards both the ends. It is found that the width of the site is limited such that the mining will be difficult after leaving the stipulated buffer. It is also noted that the widest portion of the site is mostly mine out. The shape of the site curtails the possibility of mining observing the SOPs. In these circumstances, the Committee decided to recommend rejecting the proposal considering non-feasibility of mining

10. SIA/KL/MIN/271891/2022, File No. 2687/A2/2019/SEIAA

Environmental Clearance for the Ordinary Earth Removal project over an area of 0.4947 Ha. in survey No. 473/1, 473/1-1 of Velloor Village, Vaikom Taluk, Kottayam (Additional Documents Received)

Decision: The Committee examined the excavation plan submitted by the proponent and found them satisfactory. Therefore the Committee decided to recommend EC with the following specific conditions in addition to general conditions.

1. The excavation should be strictly according to the excavation plan submitted by the Proponent.
2. The excavation activity associated 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. Appropriate fencing all around the project area should be made.
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 excavation of earth.
8. Workers/labourers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
10. 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.

11. 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.
12. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
13. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)

11. SIA/KL/MIN/275123/2022 , 2037/EC1/2022/SEIAA

Granite (Building Stone) Quarry of Sri.Arun Varghese, Managing Director, Kottakkal Granite Industries Pvt Ltd in Block No. 18, Re-Survey Nos. 177/1pt(Govt. land) 178/2, 178/11 & 178/17 in Anad Village, Nedumangad Taluk, Thiruvananthapuram District. (Additional Documents Received)

Decision: The Committee examined the documents submitted by the proponent and found that they have not submitted letter from Wildlife Warden. The site proposed for the Compensatory afforestation plan is not found feasible. The road development plan does not indicate the width and other terrain characteristics. The proposal for water storage and utilization is also not given in detail. In this circumstance, the Committee decided to seek following additional documents:

1. Compensatory afforestation plan along with geo-coordinates of the proposed site, geo-tagged site photographs, species details proposed and ownership details/consent.
2. Development Plan for the proposed approach road with allowable gradient along with width of the road and terrain characteristics of the area through which road alignment is proposed.
3. Provide a time-bound action plan with cost estimates for the proposal to use the existing mine void for water storage and its use for local requirements.
4. Letter from the DFO/Wildlife Warden indicating the distance of the site from the Peppara Wildlife Sanctuary and the width of the proposed/approved ESZ towards the project site and statement whether the proposed site falls in the proposed/approved ESZ.

12. SIA/KL/MIN/275159/2022 , 2073/EC1/2022/SEIAA

Environment Clearance for mining permit of "M/s K L R Granites" over an extent of 3.8717 Ha at ReSy Block No.:20, Re-Sy No.: 47/1-9, Malayalappuzha Village, Konni Taluk, Pathanamthitta District, Kerala (Additional Documents Received)

Decision: The Committee examined the documents submitted by the proponent and found them satisfactory. The Committee deferred the item to the next meeting for taking a final decision.

13. SIA/KL/MIN/282371/2022, 2130/EC3/2022/SEIAA

Environmental Clearance for the building stone quarry at Survey No. 487/1/2/3, 487/1/3/B, 491/1/2/4, 493/15/11, 491/1/2/4, 493/15/11, 491/1/ 2/4/2, 491/1/2/4/2, 491/1/2/4/2 of Pallarimangalam Village, Kothamangalam Taluk, Ernakulam, Kerala
(Additional Documents Received)

Decision: The Committee examined the documents submitted by the proponent and found them satisfactory except CER proposal. The Committee decided to seek a detailed revised CER proposal incorporating an implementation plan and proof of stakeholder consultation. The Committee also noted that the mining has to be limited to 25m above MSL, avoiding mining of the bottom last 4 benches.

14. SIA/KL/MIN/284456/2022, 2108/EC4/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr. Cherunni. K, over an extent of 0.5827 Ha, Re. SyNo-32/2D, in Kakkad Village, Kozhikode Taluk, Kozhikode, Kerala. (Additional Documents Received)

Decision: The Committee verified the documents submitted by the proponent and found that the mineable reserve is 48063.75MT. The life of mine is four years. The project cost is Rs. 15 lakhs. Based on discussions, the Committee decided to recommend EC for the life of mine of four years subject to the following Specific Conditions in addition to General Conditions:

1. The excavation activity associated should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for a useful purpose.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.
8. Workers/labourers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the 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)

15. SIA/KL/MIN/39461/2019 , 1546/EC1/2019/SEIAA

Application for Environmental Clearance for Building Stone quarry project of M/s Vengunadu Granite and Sands Pvt. Ltd. at Survey Nos. 238/1, 238/2, 239/1, 239/2, 239/5, 239/6, 239/7, Block No. 22, Muthalamada 1 in Muthalamada 1 village, Chittur Taluk, Palakkad (Additional Documents Received)

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee observed that the proposal is to extract granite building stone with a total mineable reserve is 1,986500 MT for a mine life of 14 years. The presentation was done in the 112th meeting and field inspection was conducted on 05.09.2020. Based on discussions, the Committee decided to recommend EC for a mine life of 14 years subject to the following Specific Conditions in addition to the General Conditions:

1. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
2. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
3. A detailed vibration study should be carried out prior to the commencement of mining to evaluate the zone of influence and impact due to blasting so as to ascertain that the proposed blasting for mining will not impact the geologically fragile zone located at around 2km south of the project site. well before approaching any such habitats or other buildings on the neighbourhood.
4. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.
6. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).

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

16. SIA/KL/MIN/47565/2019 , 1515/EC3/2019/SEIAA

Environmental Clearance for the Granite Building Stone quarry project of Sri. Kaderbabu E.K for an area of 3.4739 Ha at Block No.2, Sy.No.111/4, 111/7, 111/8, 111/2, 111/10, 111/5, 111/6 in Kannamangalam Village, Tirurangadi Taluk, Malappuram. (Additional Documents Received)

Decision: The Committee examined the documents submitted by the proponent and observed that the Proponent should submit a compensatory afforestation plan. Based on discussions, the Committee decided to entrust Dr. A V Raghu and Sri. V Gopinathan for evaluation of documents submitted, field inspection and report.

17. SIA/KL/MIN/52716/2020 , 1654/EC6/2020/SEIAA

Application for Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Sajeer Moyin for an area of 4.7425 Ha at Survey Number 323/1-3, 323/1-4, 323/1-11 & 323/1-12 at Thiruvalli Village, Nilambur Taluk, Malappuram (Additional Documents Received)

Decision: The Committee examined the documents submitted by the proponent and decided that a detailed evaluation of the documents is required. The Committee entrusted Dr. C C Harilal to evaluate the documents submitted as part of ADS.

18. SIA/KL/MIS/284787/2022 , 2099/EC6/2022/SEIAA

Environmental Clearance for the Proposed Expansion of Commercial Complex Project (Ozone Mall) to be developed by M/s INOA Properties & Developers LLP in Pathaikkara Village, Perinthalmanna Taluk, Malappuram (Additional Documents Received)

Decision: The Committee examined the documents submitted by the proponent and found them satisfactory except for the CER. The Committee found that CER should primarily be aimed to ensure the community needs of the immediate surroundings. Therefore, the Committee decided to direct the proponent to conduct a local stakeholder consultation and assess the CER requirements of the local community in **addition to the one proposed.**

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

1. SIA/KL/MIN/162964/2020, 125/SEIAA/KL/2335/2013

Renewal of Environment Clearance for the Building Stone Mine (Minor Mineral Mining) project of M/s Valluvanad Granites is situated at Survey Nos. 2/2 & 5/2 in Village - Lakkidi-Perrur 1st, Panchayat – Lakkidi-Perrur, Taluk - Ottapalam, District - Palakad, Kerala in an area of 4.8120 hectares. (Additional Documents Received)

Decision: The committee scrutinized the documents submitted by the proponent and found them satisfactory. Based on discussions committee decided to recommend EC for the extension of the project for the remaining period of 3 years subject to the following specific conditions in addition to the general conditions:

1. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
2. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
3. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
4. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.

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

CONSIDERATION OF TOR PROPOSALS

1. SIA/KL/MIN/42055/2019 , 1427/EC2/2019/SEIAA

Environmental Clearance for the building stone quarry project in in Survey No. 220/1A of Thayannur Village, Vellarikund Taluk, Kasaragod District, Kerala over an area of 0.9392Ha of Sri. BABU. P (ADS Received)

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee observed that the proposal is to extract granite building stone of total mineable reserve is 2,84,565 MT (56913 MT MT per annum) for a mine life of 5 years. The project cost is 100 Lakh. The presentation and field inspection has been completed. Based on discussions, the Committee decided to recommend EC for a mine life of 5 years subject to the following Specific Conditions in addition to the General Conditions:

1. The green-belt should be developed prior to the commencement of mining. Choice of the species should be based on criteria such as (i) native trees; (ii) thick foliage; (iii) fruit bearing that would attract birds and, (iv) otherwise valuable with medicinal or soil fertility enhancer etc.
2. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
3. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
4. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
5. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).
6. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
7. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
8. Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites
9. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
10. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
11. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
12. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
13. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
14. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
15. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
16. Retaining wall should be provided for the top soil storage area to a height of about 2 m.

The application is submitted in the ToR format and therefore, the proponent is directed to submit application for EC in Parivesh Portal.

PART 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/INFRA2/406920/2022 , 2143/EC1/2022/SEIAA

Environmental Clearance for the Proposed Expansion of Commercial Complex Project to be developed by M/s Rajakumari Shopping Mall LLP in Re-Survey Nos. 1617/1-5, 1631/1-5, 1608/2, 1608/3, 1617/1-6, 1602/6-4, 1609/3-1-4, 1613/2-4, 1609/1-5, 1609/3-4, 1602/4-2-3, 1608/1-4, 1602/1-3, 1608/1-1, 1611/2-A-1-1, 1610/2-4, 1610/2-5, 1610/1-4, 1610/3-6, 1610/3-5, 1610/3-4, 1609/1-1-2, 1609/1-4, 1608/1-3, 1609/1-1, 1610/4-5, 1601/1-1, 1601/2-1-A, 1611/2-A-1-1-2, 1601/2-4, 1611/2-A-1-1-3, 1601/2-1-1, Attingal Village, Attingal Municipality, Chirayinkeezhu Taluk, Thiruvananthapuram District, Kerala. (Presentation)

Decision: As invited, the Proponent Kahar Muhammed Kunju and Consultant Sri. P Z Thomas was present. The Consultant made the presentation. The proponent intends to expand the existing buildings with an additional built-up area of 11,805.70 sq.m. Thereby, the cumulative built-up area will be 24,800.34 sq.m. (Existing 12,994.64 sq.m + Proposed 11,805.70 sq.m.) which is more than 20,000 sq.m. The construction of existing buildings is partially completed but not yet commissioned and hence not operational. The water requirement (7 KLD) would be met from KWA supply & well water (construction workers avg. 100 per day). The domestic Sewage generated (5 KLD) would be treated through STP. The proponent has received a proposal from Secretary, Attingal Municipality along with the Executive Summary for the construction of Bio-CNG Plant of 10 TPD capacity to Process Bio-degradable Waste in Attingal Municipality with a funding of Rs. 1 Crore (50% of the total estimated cost). The total cost estimation for the construction of Bio-CNG plant of 10 TPD capacity is Rs. 2 Crores. A contribution of 50% will be by the Municipality. Based on the discussions, the Committee decided to seek clarification regarding the end-use of the biogas generated, as it is not clearly stated. The Committee also decided to defer the application for a final decision in the next SEAC meeting.

2. SIA/KL/INFRA/416126/2023, 2223/EC1/2023/SEIAA

Environmental Clearance for the proposed Residential project developed by M/s Oceanus Dwellings Pvt. Ltd. at Survey Nos. 578/19, 578/21, 580/8, 581/7, 581/8, 581/9 in Palakkad II Village, Palakkad Taluk, Palakkad (Presentation)

Decision: As invited the authorized person Sri. Thomas P K with authorization letter and Consultant Sri. P Z Thomas was present. The Consultant made the presentation. The Committee heard the presentation and as per the presentation, the total plot area is 0.7892 ha and the total

built-up area is 36,121.76 sqm. The proposed FAR is 26,352.35 sq.m. The Project cost is Rs. 76.68 Crores. Based on the discussion Committee decided to entrust Dr. Vasudevan Pillai and Dr. A V Raghu for field inspection and report.

3. SIA/KL/INFRA2/416303/2023, 2225/EC4/SEIAA/2023

Environmental Clearance for the Proposed Commercial cum Assembly Building Project by Smt. Ameenah Begam and Mrs. Hajara Ibrahim at survey Nos. 566, 567, 568, 569, 582/24, Kasaba village, Kozhikode Corporation, Kozhikode Taluk & District, Kerala (Presentation)

Decision: Based on the direction of 141st SEAC the proponent was invited for presentation and they informed that they are unable to attend the meeting. Hence Committee decided to defer the proposal.

4. SIA/KL/INFRA2/416727/2023, 2226/EC4/SEIAA/2023

Environmental Clearance for the proposed Residential Project by Sri. Basheer Utteri at Re.Sy.Nos.47/4, (47/48), 49/3, (49/39), 47/40 (47/39), 47/48, (47/55), 49/39, (49/45), Olavana Village & Panchayth, Kozhikode Taluk & District. (Presentation)

Decision: As invited, the authorized person Sri. Rasheel V M and Consultant Sri. P Z Thomas was present. The Consultant made the presentation. The Committee heard the presentation and as per the presentation, the built-up area is 29,657.50 sq.m. and with 91 Residential units. The project cost is Rs. 116.40 Crores. The Committee found the following shortcomings:

1. The EMP is not site-specific and the budgetary provision made is inadequate.
2. FAR of the project needs verification and the correctness ascertained.
3. STP cost for 65 KLD need reworking.
4. Utilization plan for the excavated soil is lacking
5. The water requirement, availability, source, source sustainability and water balance details are not provided with clarity.
5. One of the CER activities , conducting a monthly residential science orientation program for Highschool students in Kozhikode district at Malabar need reconsideration.

The committee decided to entrust Dr. A V Raghu and Dr. C C Harilal for a field inspection and report.

5. SIA/KL/INFRA2/418741/2023, 2236/EC3/2023/SEIAA

Environmental Clearance for the Building Project, Avigna Warehouse/ Logistics Park" at Parakkadavu, Ernakulam Re-Survey No.: 219/1, 219/2-4, 219/2-6, 219/2-5 & 219/2- 3,219/2-4-2, 219/2-5-2, 219/2-6-2, 230/11, 230/1, 219/1-3, 220/1, 220/1-2,

219/2-2, 219/2, 230/7, 220/2 at Parakkadavu Village, Aluva Tehsil, Ernakulam. (Presentation)

Decision: As invited, the proponent Sri. Vaneesri S and Consultant EIA Consultant, Smt. Ananthitha on behalf of Ultra Tech, Environmental Consultancy & Laboratory was present. The Consultant made the presentation. The Committee heard the presentation and as per the presentation, total plot area is 86,425 m². The built up area of warehouse -3 & amenities is 11,808.82 m² and warehouse 1,2 & 3 is 39,725.76 m². The Proponent stated in the application that the construction of the first phase, which involve construction of 11808.82 m², is in progress. The Committee informed the Proponent that any construction activity prior to obtaining EC is violation of the EIA notification. The Proponent submitted that even though it is stated that the construction is in progress, no major work except part of the compound wall, drainage channels and land clearance have been initiated. The PP further submitted that they will stop even the minor works with immediate effect. Based on discussions, the Committee decided to entrust Dr. Ajithkumar and Dr. Ajayakumar Varma for field inspection and report.

6. SIA/KL/MIN/129967/2019, 1861(A)/EC4/2019/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry of Sri.Ramakrishnan.C, at Un Survey in Thiruvambady Village, Thamarassery Taluk, Kozhikode District, Kerala for an extent of 0.9800 Ha. (Presentation)

Decision: Based on the direction of 143rd SEAC, the proponent was invited for presentation via Email and the proponent was absent. Hence Committee decided to defer the proposal.

7. SIA/KL/MIN/136571/2020 , 1745/EC2/2020/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry of M/s Hastone Granites Pvt. Ltd, for an extent of 0.9986 Ha.at Survey No. 112/11A3Pt in Balal Village, Vellarikund Taluk, Kasaragod District, Kerala (Presentation)

Decision: Based on the direction of 142nd SEAC, the proponent was invited for presentation. Due to the delay in submission of RQP change request, the Committee decided to defer the proposal.

8. SIA/KL/MIN/165193/2020 , 1941/EC2/SEIAA/2022

Environment Clearance for the Proposed Granite Building Stone Quarry of M/s. Malom Crushers over an extent of 0.9436 Ha. Block No: 1, Survey. Nos: 146/4A2 Pt 112, 125, 139 & 307, Balal Village, Vellarikundu Taluk, Kasaragod District, Kerala State. (Presentation)

Decision: As invited, the proponent Sri. K T Muhammed Hudaifa and RQP, Sri. Cyriac Joseph was present. The RQP made the presentation. The Committee noted that the mineable reserve is 1,84,380MT. The Committee verified the documents submitted by the proponent and found the following:

1. The proposed area is ecologically sensitive and the slope is very steep, between 30⁰ to 32⁰.
2. The land vulnerability is significant
3. The site is in continuity to a high hazard zone at a distance of only about 40m from the proposed mining area.
4. The area is biologically rich.
5. As such, there is no approach road to the quarry.

The Committee discussed the environmental implications of mining activity in the proposed area in detail and observed that on a holistic consideration, the environmental fragility of the area is very high. Therefore, based on detailed discussions the Committee decided to recommend rejection of the proposal invoking Precautionary Principles.

9. SIA/KL/MIN/221010/2021, 2179/EC3/2023/SEIAA

Environmental Clearance for the Granite Building Stone having an area of 2.1764 Ha. of Sri. Didimose Paul at Block No. 44, Re. survey No. 269/1 & 269/1-1 in Londoor village, Meenachil Taluk, Kottayam, Kerala. (Presentation)

Decision: Based on the direction of 141st SEAC, the proponent was invited for presentation but the proponent was absent. Hence Committee decided to defer the proposal.

10. SIA/KL/MIN/239826/2021, 2044/EC6/2021/SEIAA

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

Decision: As invited, the proponent Sri. Jayarajan A and RQP Sri. Damodaran was present. The RQP made the presentation. The Committee heard the presentation and as per the presentation, the mineable reserve is 4,31,732.5MT and life of mine is 5 years. Based on discussion the Committee decided to direct the proponent to submit the following additional documents:

1. Revised budget estimated for EMP as the submitted one inadequate.
2. Identify and specify the source of water.
3. Provide the quantity of water available, its quality and sustainability characteristics
4. Exclude road laying and maintenance cost from EMP and include it in Project cost.

11. SIA/KL/MIN/272889/2022, 2144/EC1/2022/SEIAA

Laterite building stone quarry of Shri. Jaya Krishnan in Re Survey No. 2/5,5/2 of Ongallur-1 village , Pattambi Taluk, Palakkad (Presentation)

Decision: Based on the direction of 141st SEAC, the proponent was invited for presentation but the proponent was absent. Hence Committee decided to defer the proposal.

12. SIA/KL/MIN/277481/2022 , 2118/EC2/2022/SEIAA

Environment Clearance for mining permit of " M/s Minering Aggregates Private Limited" over an extent of 4.7998 Ha at Re-Sy Block No.:01, Re-Sy No.: 23/1 pt427, 23/1 pt426, 23/1 pt424 & 23/1 pt375, Kolathur Village, Kasaragod Taluk, Kasaragod District, Kerala (Presentation)

Decision: As invited the proponent Sri. Antony S Alukal and RQP Sri. Cyriac Joseph was present. The RQP made the presentation. The Committee heard the presentation and as per the presentation the mineable reserve is 27,77,075MT and life of mine is 7 years. The project cost is 1017.48 Lakhs. The highest elevation is 80m above MSL and the lowest elevation is 20m above MSL. Based on the discussion Committee decided to direct the proponent to submit the following additional documents:

1. Compensatory Afforestation Plan along with geo-coordinates of the proposed site, geotagged photographs of the proposed sites, and ownership details of the proposed site with proof.
2. Modified drainage plan
3. Road development plan
4. Legible survey map certified by the Village Officer indicating built structures including houses and other buildings and infrastructure within 200m radius of the boundary of the proposed site.
5. Detailed plan for mitigating the adverse impacts on the river and riverine ecology consequent to the proposed mining adjacent to the river.

13. SIA/KL/MIN/278920/2022, 2091/EC6/2022/SEIAA

Environmental Clearance for the Granite Building Stone Quarry Project of Sri.Sajeer K.T for an area of 1.2008 Ha. at Re.Survey No. 3/4, 3 in Trikkalangode Village, Ernad Taluk, Malappuram. (Presentation)

Decision: As invited, the proponent Sri. Sajeer K T and RQP Sri. Nazar Ahmmed was present. The RQP made the presentation. The Committee noted that the mineable reserve is 5,01,090 MT and the mine life is 12 years. The Project cost is Rs. 2,00,00,000. The highest and lowest elevations are 140m and 90m respectively. Based on discussion, the Committee decided to direct the proponent to submit the following additional documents:

1. Detailed plan for compensatory afforestation consisting of the geo-coordinates of the

demarcated area for compensatory afforestation, geo-tagged photographs of the location, number of trees proposed, and the type and species of trees, shrubs, herbs and climbers included in the afforestation program and the ownership/consent details of the land.

2. Detailed plan for development of the road to the proposed mine project
3. Depth to water table in the nearest dug well and geotagged photograph of the well monitored
4. Revised CER as per norms

14. SIA/KL/MIN/282125/2022, 2106/EC6/2022/SEIAA

Environmental Clearance for the Granite Building Stone Quarry Project of Sri.Abdul Rasheed.K for an area of 0.9498 Ha at Survey Nos.1/1A in Pulamanthole Village, Perinthalmanna Taluk, Malappuram. (Presentation)

Decision: As invited the proponent Abdul Rasheed and RQP, Sri. V K Roy was present. The RQP made the presentation. As per the presentation, the recently certified legible survey map from the Village Office indicates distance to all the built structures within 200m radius of the proposed site. The mineable reserve is stated as 1,19,421 MT and life of mine as 5 years. Based on discussions, the Committee decided to seek the following documents.

1. Revised EMP with site-specific mitigation plans and adequate budget provision for the entire period of mine life
2. Revised CER incorporating the requirement of furniture for the proposed building as part of CER.
3. Depth to water table in the nearest dug well with geo-tagged photograph of the well.
4. Examine whether there is a mismatch in the geological, mineable and extractable reserve projected in the application after verifying the approved mine plan
5. Environmental and ecological data is provided only for 5km radius of the site. Provide the data for 10km radius.

15. SIA/KL/MIN/284240/2022, 2079/EC4/2022/SEIAA

Environmental clearance for Granite (Building stone) quarry at Re Survey No. 1293/2493, 1293/2495 Block No-01 in Ayyankunnu village, Iritty Taluk, Kannur district, Kerala State for an extent of 0.9270 Ha of Safran Abdul Razack. (Presentation)

Decision: Based on the direction of 141st SEAC, the proponent was invited for a presentation but the proponent was absent. Hence Committee decided to defer the proposal.

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

Granite Building Stone Quarry of Sri. Binoj. K. Baby, Managing Partner, M/s.Pulpally Stone Crushers for an area of 4.1000 at Survey Nos. 398/8, 398/30,

420/2, 420/3, 420/4, 420/6, 420/7, 420/8, 420/11, 421/2, 421/3, 421/4, 421/7 of Padichira Village, Sultan Bathery Taluk, Wayanad District, and Kerala (Presentation)

Decision: Based on the direction of 141st SEAC, the proponent was invited for a presentation. The proponent was informed that he was able to attend the meeting. Hence Committee decided to defer the proposal.

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

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

Decision: As invited the proponent, Sri. Bobby Kuriakose and RQP Sri, Thambu Cheriyan was present. The RQP made the presentation. The Committee noted that the mineable reserve is 1,69,650MT and Life of mine is 7 Years. The Project Cost is Rs. 413.45 Lakhs. The depth to water table stated is 49m above MSL. The Committee noted that the explanation for non-applicability of cluster condition is not provided and CER needs to be revised. Based on discussions, the Committee decided to entrust Dr. Mahesh Mohan and Dr. K N Krishnakumar for field inspection and report.

18. SIA/KL/MIN/404411/2022 , 2148/EC1/2022/SEIAA

Granite Building Stone Quarry of M/S Kottukappilly Sand & Metals Pvt. Ltd. over an extent of 2.1004 Ha at Re-Survey Block No. 39, Re-Survey Nos. 8/4, 8/5, 7/6, 8/10, 7/1 of Kizhakkanchery II Village, Alathur Taluk, Palakkad District, Kerala (Presentation)

Decision: As invited the proponent Geogy George and RQP, Nazar Ahmmed was present. The RQP made the presentation. The Committee noted that the mineable reserve is 6,85,183MT and the life of mine is 12 years. Based on discussions, the Committee decided to direct the proponent to submit the following additional documents:

1. Letter from the WL Warden stating the distance of the proposed site from the boundary of the WLS, width of the proposed/approved ESZ of the WLS near the proposed site, statement whether the site falls in the buffer zone or not.
2. Copy of application submitted to NBWL for wildlife clearance, if the site is located within 10km radius of the wildlife sanctuary.
3. Recently certified survey map from the concerned Village Office showing all the built structure, road, etc within 200m from the boundary of the project area
4. Compensatory afforestation plan including the geo-coordinates, geotagged photographs and ownership details of the site proposed

5. Modified drainage plan
6. As per the google image of December 2022, there are three quarries adjacent to the proposed site, two seem to be abandoned and one seems to be working. However, the Cluster Certificate dated 7.10.2022 submitted by the proponent states that there are no operational quarries within 500m. Therefore, clarification is required from the PP regarding the quarry that seems to be working adjacent to the proposed site and details of the closure plan implemented for the other two quarries.
7. Haulage road seems to be dangerous for transportation and therefore, it is to be clarified whether there are other roads or modifications possible to the road.
8. Plan for maintaining a buffer between mine boundary/built structures.
9. Plan for maintaining required buffer of 50m between the mine boundary and built structures as a crusher is reported at a distance of 25m.

19. SIA/KL/MIN/407136/2022, 2156/EC4/2022/SEIAA

Environmental Clearance for the proposed Granite (Building Stone) Quarry in Block No. 66, Re Survey Nos. 292/1194, 292/6358, 292/2642, 292/6357, 292/5700, 292/4163, 292/3209, 292/3455, 292/1619, 292/159, 292/3513, 292/1612, 292/747 of New Naduvil Village, Thaliparamba Taluk, Kannur District, Kerala for an extent of 2.0110 Ha. (Presentation)

Decision: The proponent was absent. Hence Committee decided to defer the proposal.

20. SIA/KL/MIN/407396/2022, 2195/EC4/2023/SEIAA

Environmental Clearance for Proposed Granite Building Stone Quarry for an extent of 3.4763 Hectares at Sy. Nos. 123/1805, 123/1816, 123/1826, 123/1994 & 123/2150 in Thinur Village & Survey Nos. 116/31, 116/32, 116/33, 116/34, 116/35, 116/36, 116/43 & 116/44 in Narippatta Village, Vadakara Taluk, Kozhikode, Kerala. (Presentation)

Decision: As invited the proponent Sri. George K V and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the mineable reserve is 10,77,300 MT. The project cost is Rs. 3.0 Crores. The life of mine is 10 years. The Committee noted the following shortcomings:

1. Compensatory Afforestation Plan along with geo-coordinates of the proposed site, geotagged photographs of the proposed sites, and ownership details of the proposed site with proof
2. Proposed measures for harvest and conserve maximum water as the project requirement is high.
3. Additional measures proposed for the generation and use of solar energy as the energy requirement of the project is high.

4. Detailed road development plan
5. Detailed and revised drainage plan
6. Revised CER as per norms
7. Approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014 as the site falls partially in the moderate

Based on discussion, the Committee decided to entrust Dr. C C Harilal and Dr A N Manoharan for field inspection and report.

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

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

Decision: As invited, the proponent Sri. Asok Kumar N V and the RQP, Sri. Thambu Cheriyan were present. The RQP made the presentation. The committee noted that the mineable reserve is 7,97,879 MT and Life of mine is 9 years. The project cost is 458.15 Lakhs. The Committee noted the following shortcomings:

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

Based on discussion, the Committee decided to entrust Smt. Beena Govindan and Dr. Mahesh Mohan for field inspection and Report.

22. SIA/KL/MIN/410409/2022, 2229/EC4/SEIAA/2023

Environmental Clearance for the Proposed Laterite building stone quarry for an extent of 0.5301 Ha at Re-Survey Block No.005, Re Survey No.53/1A of Kakkodi village , Kozhikode taluk, Kozhikode Kerala. (Presentation)

Decision: Based on the direction of 141st SEAC, the proponent was invited for a presentation but the proponent is absent. Hence Committee decided to defer the proposal.

23. SIA/KL/MIN/410973/2022, 2216/EC6/2023/SEIAA

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. A. K. Soman for an area of 0.5623 Ha at Sy.Nos.118/10, 158/2 in Kavanur Village, Ernad Taluk, Malappuram (Presentation)

Decision: As invited, the authorized person Sri. Satheesh with authorization letter and RQP, Sri. Nazar Ahmmed were present. The RQP made the presentation. The Committee noted that the recoverable quantity is 44281.1 MT, life of mine is three years and the project cost is Rs. 20 lakh. Based on discussions, the Committee decided to recommend EC for the life of mine of three years subject to the following Specific Conditions in addition to General Conditions:

1. The excavation activity associated should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for a useful purpose.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emission 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 excavation of earth.
8. Workers/labourers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of the 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)

24. SIA/KL/MIN/413982/2023, 2212/EC3/2023/SEIAA

Environmental Clearance for Granite Building Stone Quarry over an extent of 0.9980 Hectares in Re-Survey Nos. 27, 28 & 28/1 at Erumeli South Village, Kanjirappally Taluk, Kottayam Kerala (Presentation)

Decision: Due to the delay in applying for RQP change, the PP could not do the presentation before the Committee. Hence Committee decided to defer the proposal.

25. SIA/KL/MIN/414351/2023, 2210/EC1/2023/SEIAA

Granite (Building stone) quarry project, M/s RKP Minerals and Metals Private Ltd at Block no.30, Re Survey No. 233/2-3-1,233/2-5-1,233/2-2,233/6,233/6-1,234/5, in Thekkada village , Nedumangad Taluk, Thiruvananthapuram (Presentation)

Decision: Due to the delay in applying for RQP change, the PP could not do the presentation before the Committee. Hence Committee decided to defer the proposal.

26. SIA/KL/MIN/416051/2023, 2219/EC3/2023/SEIAA

Environmental Clearance for the Granite Building Stone Quarry of Sri. A. H. Sheriff Survey Nos. 1087/1A2 at Mulavoor Village, Muvattupuzha Taluk, Ernakulam District, Kerala (Presentation)

Decision: As invited the proponent, Sri. A. H. Sheriff and RQP Sri. Nazar Ahmmed was present. The RQP made the presentation. The Committee noted that the mineable reserve is 2 lakh MT and life of mine is 5 years. The Committee also noted that there is a crusher within 5m and workshop building within 15m from the boundary of the proposed site. Therefore, the Proponent is directed to submit the reason for not rejecting the proposal as it is difficult to maintain a buffer distance of 50m between the project boundary and built structures. The Committee also observed that the possibility of mining beyond a depth of 45m AMSL is non-existent due to depth to groundwater table. Based on discussion, the Committee decided to direct the proponent to submit the following additional documents, if there is a possibility of maintaining 50m buffer between the project boundary and built structures:

1. Copy of the permit and environmental clearance order based on which the mining was carried out in the portion of the site.
2. Detailed plan for compensatory afforestation consisting of the geo-coordinates of the demarcated area for compensatory afforestation, geo-tagged photographs of the location, ownership details, and number, type, of trees, shrubs, herbs and climbers included in the afforestation program.
3. Depth to the water table in the nearest dug well to the proposed site along with geotagged photograph of the well.
4. Plan for sanitation and waste management and energy conservation measures including the use of solar power

5. Certified Compliance Report from the IRO, MoEF, Bangalore .

27. SIA/KL/MIN/416162/2023, 2218/EC1/2023/SEIAA

Granite Building Stone of V.R. Ajayakumar at Block No. 27, Survey Nos. 16/1 of Ezhumattoor Village, Mallappally Taluk in Pathanamthitta District, Kerala (Presentation)

Decision: As invited the proponent, Sri. V.R. Ajayakumar and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee noted that the mineable reserve is 110740 MT and the mine life is 4 years. The project cost is 75 Lakhs. The highest and lowest elevations are 105m and 95m respectively and observed certain temporary structures within 50m. The Committee decided to direct the Proponent to submit the following additional documents:

1. Plan for maintaining buffer distance of 50m between the project boundary and built structures.
2. Revised CER as per norms incorporating monitorable physical targets identified in consultation with the stakeholders.
3. Detailed drainage Plan
4. Depth to water table in the nearest dug well along with geo-tagged photographs of the well.

28. SIA/KL/MIN/62708/2019, 1901/EC4/2021/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry of Mr. Abdul Rahim at Re Survey No. 147/46, 147/2A1, 147/2A2, 147/42, 147/43, 147/44, 147/41 at Thazhakkode Village, Kozhikode Taluk, Kozhikode District, Kerala for an extent of 3.8830 Ha. (Presentation)

Decision: As invited the proponent, Sri. Abdul Rahim and the Consultant, Sri. Arun was present. The Committee observed that the total mineable reserve is 12,42,560 MT and mine life is 10 years. The depth to the water table is 3 to 4m BGL (38m MSL). The presentation and field inspection has been completed. Based on discussions, the Committee decided to recommend EC for a mine life of 10 years subject to the following Specific Conditions in addition to the General Conditions:

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

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

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

PART 3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/INFRA2/420272/2023 , 2231/EC1/2023/SEIAA

Integrated Clearance for CRZ & Environment Clearance Proposed Special Residential (A2 Category as per KMBR) (Hotel, Resort project) to be developed by M/s Travancore Enterprises Pvt. Ltd. at Re-Survey Nos.19/6, 19/8,2911-1, 1911, 1912, Vizhinjam Village, Thiruvananthapuram Corporation, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala (Field Inspection Report Received)

Decision: The Committee verified the documents submitted by the proponent and decided to direct the proponent to submit the Clearance/ Recommendation from KCZMA obtained. The discussion of the field inspection report is deferred to the next meeting.

2. SIA/KL/MIN/141622/2020 , 1916/EC2/SEIAA/2021

Granite Building Stone Quarry of Shri. K V Joy over an extent of 1.4062 Ha. (3.4747 Acres) in Re- Sy. Block No. 19, Re-Sy. Nos. 8/33, 8/34, Kalpetta Village, Vythiri Taluk, Wayanad District, Kerala (Deferred in 143rd SEAC)

Decision: The Committee examined the proposal and field inspection report in detail. Based on detailed discussions, the Committee decided to recommend rejection of the proposal due to the following reasons:

- a. The site is located on the western flank of the northern portion of Manikkunnu mala which is a residual hill of length about 6km and width about 5km and with it's highest peak at 1450m AMSL. It influences the climatic system and weather pattern of the region and hence the residual hill has to be conserved. The elevation of the proposed site vary from 826m to 852m above MSL.
- b. Many parts of Manikkunnumala is a landslide risk zone and this particular site is close to a medium landslide hazard zone at a distance of 130m and there is possibility of primary or secondary adverse impact.
- c. Manikunnu Mala is a rugged mountainous landscape and an ecologically fragile mountain system, often called 'rock haven' is an "ecological island" surrounded with densely populated human habitations and agriculture land uses in the foot-hills. Thereore, conservation of such ecological systems are of utmost importance to the environmental sustenance of the region.
- d. Manikunnu Mala exhibits the ecological significance of Wayanad, a strategically set landscape in the confluence of three biologically diverse regions - the Western Ghats mountains, the Nilgiri hills and the Deccan plateau. This ecological confluence has made Wayanad as the most significant and ecologically fragile landscape of the Nilgiri Biosphere Reserve.
- e. 'Nalukettum chola', one of the peaks in this mountain strongly influences the hydrological aspects of the region. Several small streams and minor swamps dotted over this mountain supply water for agriculture in the valley as well as alongside the streams in the faraway locations.
- f. The forest type here is mainly the west coast semi-evergreen type with a heterogeneous mixture of species that are common in evergreen and moist deciduous forests.
- g. The mountain is a rich repository of flora and fauna as reported with occurrence of many rare, endemic and threatened (RET) species. It is reported that the MS Swaminathan Research Foundation recorded over 50 RET plant species from here. This mountain is the

breeding habit for 167 birds, which include schedule I species of rare raptors such as Jerdon's Baza, Black Eagle and Crested Serpent Eagle. The thermal variations in the rocky surfaces makes conducive for flight of the raptors.

- h. Any activity impacting the landscape and ecology of Manikkunnu Mala is not found very desirable considering its rich biodiversity, importance as a natural micro-climate regulator and relatively high risk potential.
- i. The mining, if permitted from this residual hill once, it may continue to attract many more such mining projects to this "rock heaven". This will lead to extensive loss of the land system integrity of this fragile hillock, adversely affecting the climate, hydrology and biodiversity systems of the region and irreversible loss of natural resources. Scientifically, it should not be a priority location for mining considering the ecological significance, landslide susceptibility, contiguity to the Nilgiri Biosphere Reserve, habitations in the foothill etc.
- j. As a UNESCO- World Heritage Site and residual hill in the plateau region influencing the micro-climatic aspects of the region, it cannot be priority location for mining.

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

Decision: The Committee noted the decision of the 125th SEIAA and decided to direct the proponent to submit the following additional documents:

1. Letter from the Wildlife Warden, regarding the distance of the site from the Wildlife Sanctuary and the width of the proposed/approved ESZ appropriate to the site and a statement about whether the site falls within the proposed/approved ESZ. Also the proof of application submitted to the NBWL for wildlife clearance.
2. Recent Cluster Certificate

4. SIA/KL/MIN/428159/2023 , 2295/EC2/2023/SEIAA
M/s. SHREE GANESH CRUSHED MATERIALS & BLOCKS PVT. LTD., has applied for grant of permission for quarrying Granite Building Stone over an extent of 3.1374 Hectares, located in Block No.-09, Re-Survey Nos. 470/2, 470/3-1pt, 470/3-2pt, 471/1pt, 471/2-1pt, 471/2-2pt, 472/2pt, 473/1pt, 473/2pt, 473/3, 473/3-2pt, 467/2-6pt, 467/2-7pt, 467/2-8pt, 473/6-2pt, 473/7pt, 473/9 & 473/9-2, at Neduvathoor Village of Kottarakkara Taluk, Kollam District, Kerala (Fresh Application)

Decision: The Committee verified the application of M/s. Shree Ganesh Crushed Materials & Blocks Pvt. Ltd and decided to entrust Smt. Beena Govindan and Dr. Mahesh Mohan for field inspection and report.

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

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

Decision: The Committee verified the application of Sri. Santhoshkumar K and decided to invite the proponent for presentation.

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

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

Decision: The Committee examined the proposal and found that a building is located at around 40m. The site falls in a laterite mine area. The Committee decided to invite the proponent for a presentation.

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

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

Decision: The Committee examined the application of Sri. A C Yousaf and decided to invite the proponent for a presentation.

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

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

Decision: The Committee examined the application of Sri. Usman Thazhathery and decided to invite the proponent for presentation.

9. SIA/KL/MIN/432348/2023 , 2296/EC3/2023/SEIAA

Granite Building Stone Quarry of Mr. Sibi P Alias at Survey No. 194/9, 194/9, 194/11, 194/11/1 Varappetty Village, Kothamangalam, Ernakulam (Fresh Application)

Decision: The Committee examined the application of Sri. Sibi P Alias and found the following shortcomings:

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

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

10. SIA/KL/INFRA2/410612/2022 , 2167/EC1/2022/SEIAA

Environment Clearance for proposed Residential project to be developed by M/s Sobha Developers Pune Ltd. at Survey Nos.128/18-1, 128/20, 128/2-1, 128/3, 128/4-2, Cheruvakkal Village, Thiruvananthapuram Municipal Corporation, Thiruvananthapuram Taluk & District, Kerala. (Presentation)

Decision: As invited Proponent Sri. Shahul Hameed K P and Consultant Sri. P Z Thomas were present. The Consultant made the presentation. The Committee heard the presentation and verified the documents submitted by the proponent. The total built-up area is 32,034.68 m² and the total cost of the project is 159.50 Lakhs). The total land/plot area is 0.9849 ha and FAR proposed is 20,690.88 sq.m. The Committee discussed the field inspection report, conducted on 11.03.2023. Based on discussions, the Committee decided to recommend EC for a period of 7 years subject to the following Specific Conditions in addition to the General Conditions:

1. Treated water from STP should be reused to the maximum extent and balance if any should be discharged through a series of soak pits for recharging the local ground water, and for avoiding discharge of treated water into the nearby public drain.
2. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
3. The Project Proponent should make provision for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).
4. Climate responsive design as per Green Building Guidelines in practice should be adopted

5. Vegetation should be adopted appropriately on the ground as well as over built structure such as roofs, basements, podiums etc.
6. Exposed roof area and covered parking should be covered with material having high solar reflective index
7. Building design should cater to the differently-abled citizens
8. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow
9. Water efficient plumbing features should be adopted
10. Design of the building should be in compliance to Energy Building Code as applicable
11. Energy conservation measures as proposed in the application should be adopted in total
12. Buildings to be constructed should be barricaded with GI sheets of 6 m. (20 feet) height so as to avoid disturbance to other buildings nearby.
13. Construction work should be carried out during day time only.
14. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
15. All vehicles carrying construction materials should be fully covered and protected.
16. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
17. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
18. Occupational health safety measures for the workers should be taken during the construction.
19. All vehicles during the construction phase should carry PUC certificate.
20. D.G. set should be provided with adequate stack height and regular maintenance should be carried out before and after the construction phase and would be provided with an acoustic enclosure.
21. Green belt should be developed along the periphery of the site with indigenous species.
22. The green building criteria notified in the GO (Ms) No. 39/2022/LSGD dated 25.2.2022 should be adopted.

CONSIDERATION OF TOR PROPOSALS

1. SIA/KL/MIN/433109/2023 , 2289/EC1/2023/SEIAA

Application for ToR for the Granite Building Stone Quarry of B. Sreekandan in Re-Survey No: 227/1, 227/1-1, 227/1-2, 227/7, 227/18, 228/3, 228/4, 228/5, 228/6, 228/7, 228/10, 228/12, 228/13, 228/14, 228/17, 228/18, 228/19, 228/20, 228/21, 229/4, 229/16, 229/17, 264/3, 264/6, 264/6-1, 264/8, 264/9, 264/9-1, 264/10, 264/10-1, 264/11-1, 265/3,

265/4, 265/8, 265/9 (private land) at Anavoor Village, Neyyattilka Taluk. T'hiruvananthapuram District, Kerala (Fresh file)

Decision: The Committee examined the proposal and discussed the details. Accordingly, the Committee decided to recommend Standard ToR with the following additional studies:

1. Restoration plan for the adjacent mined out area and its implementation possibility and mechanism.
2. Possibility and plan for water harvesting and its demand and utilization for the benefit of the local public

2. SIA/KL/MIN/432414/2023 , 2288/EC2/2023/SEIAA

Granite Building Stone Quarry of M/s. Chaprayil Granites Pvt. Ltd. (Represented by its Managing Director Gurudeeksha L.) in Re-Survey No: 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 – Private Land at Chadayamangalam Village, Kottarakkara Taluk, Kollam District, Kerala.(Fresh file)

Decision: The Committee examined the proposal and discussed the details. Accordingly, the Committee decided to recommend Standard ToR with the following additional studies:

1. Restoration plan for the adjacent mined out area and its implementation possibility and mechanism.
2. Possibility and plan for water harvesting and its demand and utilization for the benefit of the local public

3. SIA/KL/MIN/432771/2023, 2297/EC6/2023/SEIAA

Granite building stone quarry situated at Re-Survey No 1065/212, 1065/28, 1065/55, 1065/31, 1065/32& 1065/48, Block No.Q-02 in Melmuri Village, Ernad Taluk, Malappuram District, Kerala for an area of 1.6006 hectares (Fresh file)

Decision: The Committee examined the proposal and discussed the details. Accordingly, the Committee decided to recommend Standard ToR with the following additional studies:

1. Restoration plan for the adjacent mined out area and its implementation possibility and mechanism.
2. Possibility and plan for water harvesting and its demand and utilization for the benefit of the local public

Considering the requests from the Proponents, it is decided that the Chairman, SEAC will be available for clarifications on the decisions of the SEAC over phone (9447048526) or email (akvarmaseac@gmail.com) or in person based on prior appointments, preferably in the AN of Monday. It is decided to convene the 147th meeting of the SEAC on 21st and 22nd of July 2023 in virtual mode and the 148th meeting of SEAC on 8th & 9th August 2023.

The meeting ended at 3.00 pm.

Suneel Pamidi, IFS
Secretary, SEAC

Dr.Ajayakumar Varma
Chairman, SEAC

Sl.No.	Name	05.07.2023	06.07.2023	07.07.23
1.	Shri. Sheik Hyder Hussain	√	√	√
2.	Dr.A.Bijukumar.	X	X	X
3.	Dr.A.N.Manoharan	√	√	√
4.	Shri. M.Dileepkumar	X	X	X
5.	Smt. Beena Govindan	√	√	X
6.	Dr.C.C.Harilal	√	√	√
7.	Dr.K.VasudevanPillai	√	X	√
8.	Dr.MaheshMohan	√	√	√
9.	Dr.K.N.Krishna kumar	√	√	√
10.	V.Gopinathan	√	√	√
11.	Dr.A.V.Raghu	√	√	√
12.	Dr.N.Ajithkumar	√	√	X
13.	Shri.Suneel Pamidi,IFS (Secretary)	√	X	√
14.	Dr.R.Ajayakumar Varma (Chairman)	X	√	√