

**MINUTES OF THE 178th MEETING OF THE STATE LEVEL EXPERT APPRAISAL
COMMITTEE (SEAC), KERALA MEETING HELD ON 24TH JANUARY 2025, IN
THE ONLINE MODE**

The meeting started at 10.00 AM on 24th January 2025. Dr. R. Ajayakumar Varma, Chairman, SEAC Kerala, chaired the meeting. The Committee discussed the agenda items in detail and took the following decisions:

PHYSICAL FILES

Item No.178.01 **Environmental Clearance for the Granite Building Stone Quarry project of Sri. Antony S. Alukkal, M/s Jas Granites Pvt. Ltd., at Re-Survey Nos. 366/1, 367/1, 367/1, 368, 369/1, 382/1, 382/2, 383/1, 383/2, 387/3, 384/1, 384/1, 382/3, 382/3, 387/2 in Peringome Village, Taliparamba Taluk, Kannur. (File No.1148/EC/SEIAA/KL/2017)**

The Committee noted that the 134th SEIAA meeting held during November 13-14, 2023 directed the project proponent to comply with the observations made by the IRO of MoEF&CC, Bangalore within a three-month timeframe and to submit a compliance report. The SEIAA has also directed SEAC to inspect the site to verify the compliance status after the submission of the compliance report by the PP. Subsequently, based on the decision of the 134th SEIAA meeting, the Project Proponent submitted a Half Yearly Compliance Report on 31.06.2024. The 144th SEIAA meeting directed the SEAC to inspect the site and verify the compliance status. The Authority also observed that if the project proponent had failed to comply with the observations of IRO and the KSPCB, the environmental damage shall be assessed in consultation with KSPCB and Mining and Geology Department and furnish the report. The Committee noted that the validity of the EC expired on 01.02.2024 after availing the benefit of Covid relaxation, and the Project Proponent is operating the quarry by availing the benefit of S.O. 1807 (E) of MoEFCC dated 12.04.2022. The targeted production of mine is 2,81,000 MTA. Presently, the quarry is working as per the Order of the Hon. High Court Order in WP(C) No. 8124 of 2023 dated 16.03.2023. The 168th SEAC meeting verified the Half Yearly Compliance Report submitted by the Project Proponent on 31/06/2024 and also discussed the complaint filed by Sri. Arjun V.T. on 04.03.2023. Based on discussion, the Committee observed the following.

1. Total production till date as per COMPAS details is 15,55,039.875MT.
2. On verification of the documents produced by the project proponent, it is observed that there are two mining plans. The original mine plan was approved on 13.07.2017. Mineable reserve mentioned was 33,66,930 MT, and the life of mine is 12 years (up to 12.07.2029). The modified mine plan was approved on 13.09.2022, in which the mineable reserve is mentioned as 30,82,460MT. Mine life is 12 years (up to 12.09.2034). At present, the mining is in progress based on a modified mining plan. The modified mining plan with revised production is not brought to the notice of SEIAA and the EC was not revised or revalidated accordingly.

3. OB and topsoil dump are found at higher elevated area without any protection wall. The soil dump is found eroded and the PP informed that the current dump is only a temporary arrangement. It will be shifted to the downstream side proposed OB dump location.
4. Benches are partially developed.
5. Groundwater seepages along the rock fractures are observed at the lower side of the project area which requires to be channelized to a collection pit at downstream side.

Based on discussion of the Field Inspection Report, the Committee decided as follows:

1. Seek explanation for achieving only partial compliance to many of the EC conditions.
2. Seek explanation for poor compliance to the top soil and overburden storage.
3. Seek explanation for the failure to provide the protective fencing and sign boards.
4. Inform SEIAA regarding the 2 mining plans with which the PP is continuing the quarry operations
5. SEIAA Secretariat is directed to place the copy of the field verification report before the Authority
6. The Mining and Geology Department shall expedite the report on over-extraction and other violations, if any, with respect to the Mining Plan.

Item No.178.02 Writ Appeal in 2403/2018, against judgment dated 16-11-18 in WP(C) 4022/2017 filed by M/s. Malabar Sand and Stones Pvt. Ltd before the Hon'ble High Court of Kerala-DEIAA issued EC-Reg. (Proposal No. SIA/KL/MIN/129808/2019)

The Committee deliberated on the matter regarding Writ Appeal No.2403/2018 filed by M/s Malabar Sand and Stones Pvt. Ltd. It is noted the procedural history, including the issuance of Environmental Clearance by DEIAA, and subsequent directives from the Hon'ble High Court, and the actions taken by the Kerala State Disaster Management Authority (KSDMA) and the Government.

The Committee also noted that interim orders from the Hon'ble High Court and instructions for further examination by the State Level Expert Appraisal Committee (SEAC) were brought to the Committee's attention on 21.01.2025. After a detailed discussion, the Committee has decided that the project appraisal can be done expeditiously if the proponent submits a complete application with all required documents to SEIAA. As of now the petitioner has not submitted any application for the re-appraisal of his DEIAA issued EC which is mandatory as per the O M dated 28.04.2023 and subsequent O Ms and the interim order of the Hon'ble Apex Court dated 12.11.2024.

PARIVESH FILES (Ver-1)
CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE
PART-1

Item No.01 **Environmental Clearance for Granite Building Stone Quarry project of M/s Jesus Granites Pvt. Ltd. for an area of 1.4781 Hectare at Survey No. 911/1-5, 916/3, 916/3-2, 916/3-3, 916/3-4 in Kallorkad Village, Muvattupzha Taluk, Ernakulam.**
(SIA/KL/MIN/276958/2022, 2049/EC3/2022/SEIAA)

The Committee discussed the additional documents submitted by the Project Proponent dated January 11, 2025. The Committee observed that the comprehensive EMP prepared is not satisfactory as it does not detail the drainage requirements holistically for all mining projects and assign the responsibilities to be undertaken by each of the Proponents within the cluster. The recurring and non-recurring expenditure required for implementation of the Comprehensive EMP by the Proponents concerned is also not incorporated. Therefore, **the Committee decided to direct the PP to submit a revised Comprehensive EMP considering the above observations.**

Item No.02 **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Noushad C.P for an area of 0.5696 Ha at at Re-Survey Nos. 172/3009, 172/3010 in Kodyathoor Village, Kozhikode Taluk, Kozhikode. (SIA/KL/MIN/431401/2023, 2346/EC2/2023/SEIAA)**

The Committee scrutinized the additional documents submitted by the Project Proponent dated 10.01.2025 and found them satisfactory. As per the mining plan, the total quantity proposed is 64,480 MT and the minable quantity is reported as 45,136 MT. The elevation of the proposed area varies between 246m AMSL and 222m AMSL. As per the Cluster certificate dated 16.04.2023, no quarry is in operation within 500m radius. The life of mine is 3 years. The field inspection of the proposed project is conducted on 23.05.2024. The medium hazard zone is located at 90.7m from the proposed site. The depth to water table is given as 8m below ground level. The estimated cost of the project is Rs. 20 lakhs. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the following specific conditions in addition to the general conditions.**

1. The approach road to the project area should be widened before the commencement of the mining activity.
2. Water stagnation in the benches and the project area should be avoided.
3. The excavation activity should not involve blasting.
4. The excavation activity should be restricted to 2m above the groundwater table at the site.
5. The excavation activity should not alter the natural drainage pattern of the area.
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.

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

Item No.03 **Revalidation of EC issued by DEIAA, Idukki to the Granite Building Stone Quarry of Sri. Shiju Thomas for an area of 4.3049 Ha at Survey Nos. 294/1pt, 294/2 pt, 295/5, 295/6 pt, 296/2 pt and 356/1-1 pt in Alakkode Village, Thodupuzha Taluk, Idukki. (SIA/KL/MIN/435329/2023, 2385/EC2/2023/SEIAA)**

The Committee scrutinized the additional documents submitted by the Project Proponent dated 14.01.2025. As per the letter of the Director, State Groundwater department dated 31.12.2024, the PP was advised to approach the Central Ground Water Board (CGWB) for NOC for mining beyond the depth to ground water table. The letter also stated that the impact studies regarding the hydrogeological characteristics of the quarrying activities is not a routine work of the Department. Accordingly, the PP submitted application to CGWA to which the CGWB vide email dated 13.1.2025 informed that *"wherever States/ UTs have come out with their own groundwater abstraction guidelines, which are inconsistent with the CGWA guidelines, the provisions of CGWA guidelines will prevail. However, in case the guidelines followed by such States/ UTs contain some more stringent provisions than CGWA guidelines, such provisions may also be given effect to by the States/ UT Authorities in addition to those contained in the CGWA guidelines. States may be at liberty to suggest additional conditions/criteria based on the local hydro-geological situations which shall be reviewed by CGWA/Ministry of Jal Shakti, Government of India before acceptance"*. Based

on this observation, the CGWB clarified that the SGWA is the nodal agency for issuance of NOC for industrial/infrastructure/mining projects for abstraction of ground water/dewatering for mining usage and declined to forward the proposal for NOC from CGWA. The PP has requested to appraise the project based on the hydrological investigation report provided by the District Officer of the State Ground Water Department, Idukki supported with the report obtained from the University of Kerala which recommended mining up to 54m AMSL depth.

The Committee observed that neither the State Ground Water Authority nor the Central Ground Water Authority categorically permitted mining beyond the groundwater table. The report of the District Officer, Ground Water Department stated that the nearest open well is noticed about 225 meter due North having the depth of about 10 meter. The Aquifer is weathered bedrock with lateritic and clayey patches. The water level in this well is 8.5 meter bgl(summer Season). The report further stated that the foothill of this hillock trending towards about 700 meter North East to a narrow valley. As per the altitude referred in the minutes the Quarried bottom is now at 76 meter above MSL and from the field verification the water table is 44 meter above MSL, which is in the open well noticed minimum distance to the Quarry along its geomorphic trend (9.865775N & 76.761648E). The depth to the water table in a well as reported by the District Officer as 8.5m below ground level and from the field verification as 44m above MSL is found contradictory. In the circumstance, the proposal will lead to mining beyond the ground water table which is not permissible without the approval of the State Ground Water Authority. Therefore, the Committee decided to adhere to the decision taken in the 169th SEAC meeting to reject the application.

Item No.04 Application for Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Sukumaran E., M/s. Perattur Rocks N Sands for an area of 4.6189 Ha at Re - Survey No. 430/1pt116, 430/1pt607, 430/1pt66, 430/1pt841, 430/1pt473, 430/1pt842, 430/1pt701, 430/1pt843 in Thayanoor Village, Vellarikundu Taluk, Kasaragod (SIA/KL/MIN/438095/2023, 2033/EC2/2022/SEIAA)

The Committee scrutinized the additional documents submitted by the Project Proponent dated 15.01.2025. As per the documents, the PP obtained NOC from the Irrigation department, Kasaragod, vide order dated 19.12.2024 for conducting of mining without affecting the irrigation structures. The NOC is issued for a period of 1 year. **Based on discussion the Committee decided the following.**

1. Invite the Project Proponent for presentation of the EIA report along with modifications in the report considering all the shortcomings sought in 164th SEAC meeting, preferably in the next meeting itself.
2. Entrust Dr. R. Ajayakumar Varma for detailed evaluation of additional documents submitted by the project Proponent.

Item No.05 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Anoop P.V., Managing Director, M/s. Rudra Stone and Crusher Private Limited for an area of 1.6896 Ha at Block No.30, Re-Survey Nos. 113/6, 113/7, 113/6-1 in Thekkada Village, Nedumangad Taluk, Thiruvananthapuram, Kerala.**
(SIA/KL/MIN/456003/2023, 2505/EC3/2024/SEIAA)

The Committee scrutinized the additional documents submitted by the Project Proponent dated 16.01.2025. The PP also intimated that the application for obtaining NOC from the Irrigation Department is under process. On verification, it is found that the EMP submitted is not satisfactory. **Therefore, the committee decided direct the PP to revise/submit the following additional documents.**

1. Revised EMP prepared by a NABET accredited consultant.
2. Resubmit the soil profile across and along the project area including the depth.
3. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024.

Item No.06 **Environmental Clearance for the Granite Building Stone quarry project of Sri. M.D George, M/s Ernad Associates for an area of 3.5950 Ha at Re Sy Block No.27, Re Sy Nos.37/8, 39/11-3, 39/11-2, 39/11,43/1-2,43/2, 42/4-5, 43/1 in Urangattiri Village, Ernad Taluk, Malappuram.**
(SIA/KL/MIN/53095/2020, 1668/EC6/2020/SEIAA)

The Committee scrutinized the additional documents submitted by the Project Proponent dated 28.12.2024. The PP submitted an affidavit regarding the NOC from the District Level Crisis Management Committee stating that the application for the same is submitted. As per the affidavit, the PP states that he will commence mining activities after getting the NOC from the District Level Crisis Management Committee since the project area falls under moderate hazard zone. **Based on discussion, the Committee decided to recommend EC for 10 years subject to the submission of (1) Approval of the District level Crisis Management Committee for mining as part of the site falls in the medium hazard zone and (2) NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024. The following Specific Conditions, in addition to the General Conditions may be stipulated while issuing EC:**

1. Depth of mining should be limited to 70m AMSL considering the depth to the water table.
2. The green belt should be initiated prior to the commencement of mining using indigenous species.

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

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

Item No.07 **Environmental Clearance of Granite Building Stone Quarry project of Sri. Abdu Rahiman A.C at Re Survey Block No.36, Re-Survey No: 269/1, 269/2, in Nediyruppu Village, Kondotty Municipality, Kondotty Taluk, Malappuram (SIA/KL/MIN/78627/2019, 1543/EC3/2019/SEIAA)**

The Committee examined the proposal and discussed the evaluation report in detail. As per the Cluster Certificate dated 18.03.2024, there are two authorised quarries viz. Quarry of Sajeev MA (Area 3.1409 Ha) and Muhammed Haneefa (area 7.3685 Ha) located within 500m radius indicates cluster condition. There are three abandoned quarries on the southern side and one operational quarry on the north-western side. All these quarries are without proper benches. One abandoned quarry on the southern side and an operational quarry on the north-western side are sharing the boundary with the proposed project area. As per the Report prepared by Dr. Ramachandra Karra, National Institute of Technology, Karnataka summarises that the presence of adjacent quarries cannot influence the stability of the proposed quarry as the FOS values are at least 3 times the required value of 1.5 as per the guidelines of Director General of Mines Safety (DGMS), hence there is no potential for breaching. However, while working, the adjacent quarries are also to be monitored periodically for any local failures towards the quarry of Mr. Abdu Rahiman. The slope stability report also concluded that it is safe to carry out the quarry activity as per the approved mine plan from the bench's stability point of view. The depth to water table is given as 14.5m below ground level.

As per the mining plan, the total minable reserve is reported as 7,10,742.5 MT for a mine life of 10 years. The elevation of the area varies between 200m AMSL to 145m AMSL. The project cost is 2.306 Crores. The moderate hazard zone is located at a distance of 58.2m from the project boundary. The EIA report of the proposed project was presented in the 166th SEAC meeting. The Public hearing of the proposal was conducted on 22.09.2021. **Based on discussion, the Committee decided to recommend EC for 10 years subject to the submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024. The following Specific Conditions, in addition to the General Conditions may be stipulated while issuing EC:**

1. Depth of mining should be limited to 145m AMSL without formation of mine pit.
2. All the 8 recommendations made in the slope stability studies have to be strictly followed.
3. An additional buffer zone of 15m may be suggested along the boundary sharing with abandoned and functional quarries.
4. The green belt should be initiated prior to the commencement of mining using indigenous species.

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

PARIVESH FILES (Ver-2)

PART-1

Item No.01 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Sivankutty. K, for an area of 0.9988 Ha at Block no. 24, Re-Sy Nos. 431/10pt, 431/11pt, 431/7pt & 431/14pt in Ummannoor Village, Kottarakkara Taluk, Kollam District.
(SIA/KL/MIN/462319/2024)**

The Committee discussed the additional documents submitted by the Project Proponent dated 06/01/2025 and found them satisfactory. The Comprehensive EMP is prepared by considering the adjacent quarry proposal of the same Project Proponent for an area of 0.8344 Ha. The total mineable reserve is reported as 1,57,432.5 MT for a mine life of 2 years. The total project cost is given as 1,37,74,049/-. The depth to water table is 10-12 (78-76m AMSL) below ground level. The soil thickness of the area varies between 0.5 to 1.5 m. The KIP Canal is at a distance of 315 m. The distance to the nearest built structure is at 105.3m. The low hazard zone is located The PP obtained NOC from the Executive Engineer, Irrigation department vide order dated 18.12.2024 for a period of 1year. The NOC was issued for conducting quarrying by controlled blasting without affecting irrigation structures subjected to 16 conditions. The highest elevation of the permit area is 114m above MSL and the lowest elevation is 99m above MSL. The medium hazard zone is located at a distance of 7.2 km from the proposed site. **Based on discussion, the Committee decided to recommend EC for 2 years subject to the following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:**

1. Depth of mining should be limited to 88m above MSL.
2. The stipulations in the Comprehensive EMP should be implemented along with all the other quarries within 500m radius.
3. The height of the overburden and top soil dump should be restricted to 5m AMSL protected within gabion walls.
4. The conditions stipulated in the NOC from the Irrigation Department should be strictly complied with.
5. The green belt should be initiated prior to the commencement of mining using indigenous species.
6. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
7. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
8. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
9. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites

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

Item No.02 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Umerali. N for an area of 0.8985 Ha at Re. Survey Nos. 1169/162, 1169/161, 1169/108 in Melmuri Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/463740/2024)

The Committee examined the additional document submitted by the Project Proponent dated 06/01/2025 and found that the Comprehensive EMP submitted is not found satisfactory. The depth to water table is by 8m below ground level at 131m AMSL. The soil thickness of the site falls between 0.3 – 0.5m. The PP submitted NOC from the Irrigation department,

Malappuram vide order dated 16.12.2024 subjected to 12 conditions. **On detailed discussion, the Committee found that, the area in which the project is located is highly intervened with various mining projects and the comprehensive EMP prepared by the accredited agency should have considered the environmental characteristics and fragility of the area and the impacts and mitigations required due to the combined activities within the cluster. In this context, the Comprehensive EMP submitted is not satisfactory and therefore, the Committee decided to direct the project proponent to submit revised EMP.**

Item No.03 Environmental Clearance for the Granite Building Stone Quarry of Sri. B. Sreekandan, for an area of 10.4881 Ha at Block No. 38, Re- Sy 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 in Anavoor Village, Neyyattinkara Taluk, Thiruvananthapuram. (SIA/KL/MIN/461000/2024)

The Committee examined the additional document submitted by the Project Proponent dated 06/01/2025 and the following are not found satisfactory.

1. Revised compensatory afforestation plan for the proposed cutting of 1650 trees along with geo-tagged photographs of the proposed site and species proposed for planting.
2. Details of side protection proposed for topsoil.
3. Precaution suggested for protecting a pumping station existing within 250 m.

As per the documents submitted dated 06.01.2025, the PP provided clarification regarding the distance to Wildlife Sanctuaries Vide letter No. B-2686/2023 dated 30.10.2023 from the Wildlife Warden, Thiruvananthapuram Division, the Neyyar Wildlife Sanctuary is located at an aerial distance of 10.20 km from the project boundary. The depth to water table is given as 7m to 5m below ground level at 117m AMSL and 94m AMSL. The Committee observed that the depth of mining should be limited to 152m AMSL considering the ground water regime of the area. The PP submitted protective measures for the pumping station existing within 250 m distance from the project site. Implementation of dust suppression measures such as water sprinkling, green belt development, wheel washing etc will be adopted for the protection of pumping station. The PP also obtained NOC from the Kerala Water Authority vide letter No. KWA/WSD/NTA/DB1/1934/2022 dated 28.09.2024 and suggested protected blasting for mining. The Committee also discussed the EIA evaluation and based on above the Committee seek the following details from the Project Proponent.

1. Revised compensatory afforestation plan along with geo-tagged photographs of the proposed site and species proposed to be planted.
2. Details of side protection proposed for topsoil.
3. Details of proposed compensatory afforestation (1650 Nos) with local species of trees, geo-coordinates of proposed area for afforestation.
4. Precaution suggested for protecting a pumping Station existing within 250 m.

5. The Sl. No. 4, 16, 18, 22, 23, 30, 35 and 36 of the Standard ToRs are not complied with in the EIA report. Further, the EIA report has the following shortcomings.
- LULC map of the entire impact zone of 10km radius of the project site is not provided
 - Biodiversity assessment has to be done for entire 10km impact zone
 - The mineralogical composition of silica is not given
 - Traffic study and its impacts is not adequately dealt with. Detailed traffic study seems to have not been carried out
 - Ground water level shall be monitored and the depth to water table below ground level is not provided
 - Details of pre-placement medical examination and periodical medical examination schedules are not incorporated in the EMP.
 - Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
 - Modified site specific and regional EMP incorporating improved and latest remedial measures for all the impacts predicted especially for health impacts and air pollution. The budget for EMP has to be modified if required and should be modified the total budget.

Therefore, the Committee decided to direct the Proponent to submit the revised EIA report and other additional details considering the above said observations.

Item No.04 Environmental Clearance for the Granite Building Stone Quarry of Sri. Sukumaran K, President, Ottappalam Taluk Karinkal Quarry Operators Industrial Co-Operative Society Ltd. for an area of 0.9287 Ha at Re Block No.33,Re-Survey No. 367/1-1 in Ongallur 2 Village, Pattambi Taluk, Palakkad District.(SIA/KL/MIN/466574/2024)

The Committee scrutinised the additional documents submitted by the Project Proponent dated 22.12.2024, and the Comprehensive EMP submitted is not found satisfactory. The Project Proponent submitted NOC from the Executive Engineer, Irrigation sub division, Shoranur vide order No. EE-PKD/64/2024-A3/NOC dated 04.12.2024 for a period of 1 year subjected to 10 conditions. As per the application, the total mineable reserve is 2,01,150 MT for a mine life of 3 years. The elevation of the area varies between 83 m AMSL to 108 m AMSL. A building is located at 108.14 m from the project boundary. The depth to water table is given as 7m below ground level at 64m AMSL. As per the Cluster Certificate dated 06.02.2024, 4 quarries within 500m radius, which indicates cluster condition with a total area below 5 Ha. The Cluster comprised of quarry of Nila Sand Rock Granites Private Ltd. for an area of 1.3514 Ha (working), quarry of Najeed Hassan for an area 0.8747 Ha, quarry of Abdul Gafoor P for an area of 0.7535Ha(Quarrying permit expired) and 0.9122 Ha(working). **Based on discussion the Committee decided to direct the PP to submit Revised Comprehensive EMP prepared by a NABET accredited agency considering the activities and impacts of the all the quarries within the cluster and responsibility sharing of the implementation of EMP.**

Item No.05 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Philip Tom, for an area of 3.9353 Ha at Re- Sy No. 684(Un Survey), 681/3(Un Survey), 681/2(Un Survey) in Thiruvambady Village, Thamarassery Taluk, Kozhikode. (SIA/KL/MIN/467823/2024)**

The Committee scrutinised the additional documents submitted by the Project Proponent dated 22.01.2025. The PP submitted a notarised affidavit regarding the management of 2 buildings within 50m radius and agreed to demolish the buildings subjected to the issuance of EC. The revised project cost is 2.82 Crores. The PP submitted a letter from the Irrigation Department, Kozhikode dated 16.12.2024, which states that the project area is located adjacent to the Iruvazhanjippuzha and there are no irrigation structures under the jurisdiction of the Irrigation Department. But there is a check dam at a distance of 400m from the BP1 and which has not been in use for several years. **After detailed evaluation of documents, the Committee observed that the following documents are not satisfactory.**

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

Item No.06 **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Ambujakshan M C, for an area of 0.1942 Ha at Block No. 46, Re-Survey No. 14/1114 in Pariyaram Village, Thaliparamba Taluk, Kannur SIA/KL/MIN/468349/2024)**

The Committee examined the Comprehensive EMP submitted by the Project Proponent dated 08.01.2025 and found them satisfactory. As per the application, the total quantity proposed for mining is 18,692 MT. The life of mine is 2 years. The project cost is Rs. 5,86,000 /-. The highest elevation of the proposed area is 109m above MSL and the lowest elevation is 107m above MSL. The depth to water table is 5m below ground level at 93 m AMSL. The depth of mining is 5.5m. The high hazard zone is at a distance of 6.8m and the medium hazard zone is at a distance of 3.3 km. The nearest house is located at a distance of 220m from the project boundary. **Based on discussion, the Committee decided to recommend EC for 2 years subject to the following specific conditions in addition to the general conditions.**

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

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

Item No.07 Environmental Clearance for the Granite Building Stone Quarry Project of Shri. Shaji Mathew, Managing Partner, M/s. Emerald Rocks for an area of 1.7895 Ha at Sy No. 776/1-3-6, 776/1-5-4-8-2 & 776/1-5-4-8-1 in Chethackal Village, Ranni Taluk, Pathanamthitta (Proposal No. SIA/KL/MIN/470480/2024)

The Committee scrutinised the additional documents submitted by the project proponent dated 15.01.2025 and found them satisfactory. As per the letter of Wildlife Warden Kottayam dated 14.01.2025, the distance to the Karikkattur Reserve Forest is 65m from the proposed site. The PP also submitted road development plan along with an affidavit for road widening. The depth to water table is provided as 3 to 5 m below ground level. As per the mining plan, the mineable reserve proposed is 4,64,740 T (Net reserve is 4,50,797.80 T) and the life of mine is 5 years. The project cost is 431.30 lakhs. The elevation difference of the area varies between 140 to 210m m AMSL. The moderate hazard zone is located at a distance of 570m from the site. **Based on discussion, the Committee decided to recommend EC for 5 years subject to the submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19.04. 2024. The following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:**

1. Depth of mining should be limited to 140m AMSL so as to avoid formation of mine pit.

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

The Committee noted the Complaint received dated 09.12.2024 from Shaji TV against the proposed quarry and alleged that the area is forest area falls under the Ranni division and also implicating the Village Officer, Chethackal, and concerned Taluk officer for manipulation of the land documents. As per the letter of Wildlife Warden, Kottayam dated 14.01.2025, the distance to the Karikkattur Reserve Forest is 65m from the proposed site. **The Committee also decided to place the matter before the Authority while considering the recommendation for issuance of EC to the project.**

Item No.08 Reappraisal of Environmental Clearance issued by DEIAA, Palakkad for the Granite Building Stone Quarry of Sri. Saji Sebastian, Managing Director, M/s Matha Aggregates Private Limited for an area of 2.3698 Ha at Survey Nos. 459/1B2B, 459/1B2C, 459/3(Pt), 459/5(Pt) in Nagalassery Village, Pattambi Taluk, Palakkad District.(SIA/KL/MIN/459175/2024).

The project was issued environment clearance by the DEIAA, Palakkad vide order no. DIA/KL/PL/14/2017 dated 09-1-2018. The EC was issued to Sri.Riyas PM for an area of 2.3698ha with validity of 5 years. EC was primarily granted to Sri.Riyas PM (M/s KMK Granites), which was then transferred to Sri.Saji Sebastian (M/s Matha Aggregates Private Limited). Though the M&G Dept. provided lease transfer order, the EC was not transferred to the name of Sri. Saji Sebastian. Thereby the new lease has not complied with conditions stipulated in the OM dated 10.12.2021 regarding the Procedure for handling EC transfer cases as per the provisions of S.O. 2817(E), dated the 13th July, 2021.

The Committee scrutinised the additional documents submitted by the project proponent dated 13.01.2025. As per the documents submitted, the depth to water table is given as 10 m below ground level. The total estimated cost of the project is 2.40 Crores. The Committee observed that it is desirable to limit the depth of mining to 82m above MSL considering the depth to water table. On detailed evaluation, the Committee also observed that the CER proposal submitted lack proof of stakeholder consultation and beneficiary letter. **Considering that the application is for reappraisal of the EC issued by the DEIAA and that it is desirable to complete the reappraisal before 31.3.2025, the Committee decided to recommend conditional environmental clearance for the project for the mine life subject to the following specific conditions in addition to the general conditions and submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19-04- 2024:**

1. Comply with the conditions stipulated in the OM dated 10.12.2021 regarding the procedure for handling EC transfer cases as per the provisions of S.O. 2817(E), dated the 13th July, 2021 within two months by submitting application to the SEIAA with immediate effect.
2. Submit the detailed CER proposal as per the guidelines uploaded on the SEIAA website within two months and subject it to the approval of SEAC and the approved CER to the SEIAA for incorporation as EC condition.

3. Mining should be conducted only by providing 50m buffer between the project boundary and the crusher building
4. Depth of mining should be limited to 82m above MSL considering the depth to water table.
5. Revised Survey Map issued by the Village Officer with details of built structures including houses within 200m and distance to other built structures should be submitted within three months from the issuance of EC.
6. Revised EMP by NABET accredited agency prepared considering the site-specific characteristics should be submitted within three months from the issuance of EC for the appraisal by the SEAC and approval by the SEIAA
7. Re-grassing proposal should be submitted within two months from the date of issuance of EC.
8. The green belt should be initiated prior to the commencement of mining using indigenous species.
9. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
10. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
11. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
12. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
13. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
14. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
15. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
16. The haulage road should be provided with sprinkling facility to prevent dust pollution.
17. 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).
18. 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.
19. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).

20. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
21. 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
22. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
23. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
24. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.09 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Tony Nirmal, Managing Director, M/s Rock Shell Granite and Sands Pvt. Ltd., for an area of 0.8852 Ha at Block No.2, Survey No.189/1 in Vaniyamkulam-2 Village, Ottappalam Taluk, Palakkad District. (SIA/KL/MIN/472780/2024)**

The Committee examined the proposal and scrutinised the CCR submitted by the Project Proponent dated 13.12.2024. On verification, the CCR, four non-compliances with respect to CSR concerning the usage of blast mats, advertisement of the original EC document, non-submission of notarised affidavit etc. The Proponent has not submitted the original mining plan and the EC period was expired on 28.07.2023. But PP continued the mining activity based on S O 1807 dated 12.04.2023 of MoEFCC. **In the circumstance that there is violation of EC conditions as per the CCR, the Committee decided to recommend rejection of the application and immediate issuance of a stop memo.**

Item No.10 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Syju Lekshman for an area of 4.998 Ha at Block no. 41, Survey Nos. Re-Survey Nos. 322/2-2-1, 322/1, 322/6, 323/3, 324/6, 324/9-2, 324/6-3, 324/5-2, 324/3-2, 324/3-3, 324/4 (Private land), 325/1, 322/3, 323/2, 323/6, 323/7, 324/3 (Govt. land) in Chadayamangalam Village, Kottarakkara Taluk, Kollam District (SIA/KL/MIN/469043/2024)**

The Committee scrutinised the additional documents submitted by the project proponent dated 21.01.202. The PP submitted a clarification regarding the NOC for the Government land by quoting a letter of District collector Kollam dated 16.01.2025. As per the letter of District Collector, Kollam, an extension for the period of one year from 12.12.2024 was decided subject to no further extension. On verification of additional documents, the Comprehensive EMP is not found satisfactory as it has not considered all the operational and proposed quarry in the cluster, their cumulative impacts and mitigation measures and the EMP cost. The EMP budget included the construction of a road to the site and it should have been part of the project cost. **Therefore, the Committee decided to direct the PP to submit**

the revised Comprehensive EMP with details of mitigation measures and management plan considering all the existing and proposed quarries within the Cluster and also revise the budgetary provisions.

Item No.11 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Abdulla Maliyekkal, for an area of 0.9884 Ha at Block No. 18, Re- Sy No. 479/2-1 in Vazhakkad Village, Kondotty Taluk, Malappuram.(SIA/KL/MIN/476637/2024)

The Committee examined the Comprehensive EMP submitted by the Project Proponent dated 09.01.2025 and found that the EMP does not addressed details of the all the projects within the cluster. The site is located in the Mudakoimala, Vazhakkad Village, Kondotty Taluk, Malappuram where there are complaints by the local residents against mining and the mining proposal should also address the causative factors for the complaints. **Hence, the Committee decided to direct the PP to resubmit integrated EMP considering the mitigation measures and management plan considering all the existing and proposed quarries within the Cluster and also measures for mitigating the issues, if any, raised by the local residents.**

Item No.12 Reappraisal of EC issued by DEIAA Kollam, for the Granite Building Stone Quarry of Sri. L. Saiju, Managing Partner, M/S. Akkavila Sajeenan Aggregates for an area of 2.6491 Ha at Survey Nos. 474/4, 474/16, 474/17, 474/5, 474/18, 474/6, 474/21, 474/20, 474/7, 474/24, 474/10, 476/8, 476/7, 476/6, 476/4, 475/23, 475/24, 475/9-1, 476/17, 474/19 & 476/20 in Veliyam Village, Kottarakkara Taluk, Kollam District. – Judgement dated 23.05.2024 in WP (C) No. 17919 of 2024. (SIA/KL/MIN/477635/2024)

The application is for reappraisal of the DEIAA-issued EC No. B/DEIAA/11901/18 dated 24/09/2018. The original mine plan is approved on 21.5.2018 for a mineable reserve of 14,82,300 MT and the mine plan was revised on 27.7.2018 for mineable reserve of 11,85,925 MT. The Scheme of Mine approved on 24.1.2024 state that the mineable reserve is 4,16,850 MT and the mine life is 3 years. The site elevation varies from 100m to 145 m above MSL and the depth to water table is 6m below ground level. The Committee scrutinised the additional documents submitted by the project proponent dated 20/01/2025 and discussed them in detail. As per the documents, the PP submitted clarification for the damage caused by the illegal mining. The Quarrying lease was issued vide Order No.1721/M3/2018 dated 12/04/2018 from the Mining and Geology department and the Lease deed was executed on 28.12.2018 for a period of 10 years. On verification, the Committee noted that mining was done to the tune of 10,94,478 MT and mining extended beyond the buffer zone. It is observed that the PP extracted excess quantity of 5,74,986.69 MT from the buffer zone and accordingly, the Mining and Geology, Department imposed a fine of Rs. 3,55,84,675/-. The PP obtained NOC from the Irrigation, Department Kottarakkara vide order dated 04.04.2024 for 3 years subjected to 7 conditions. The PP submitted response to the complaint filed by the

Shaji MS and Sri. Sasidharan Nair along with the letter of District Geologist dated 15.01.2025. As per the letter, the distance from the built structures is reported to be 50m away from the project boundary. **Considering that the application is for reappraisal of the EC issued by the DEIAA and that it is desirable to complete the reappraisal before 31.3.2025, the Committee decided to recommend conditional environmental clearance for the project for three years subject to the following specific conditions in addition to the general conditions and submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19-04- 2024:**

1. Conduct environmental damage assessment for carrying out over-extraction, illegal mining from the buffer zone and outside the permit area, if any, non-provision of green belt and non-compliances to the EC conditions by engaging a NABET accredited agency within the three months and submit it to the SEIAA and SEAC for further necessary action, if not the EC issued will be withdrawn.
2. Undertaken urgent measures to mitigate the non-compliance and submit report within three months to the SEAC for verification and submission to the SEIAA for further action, if required.
3. Depth of mining should be limited to 96m above MSL considering the depth to water table.
4. Revised Survey Map issued by the Village Officer with details of built structures including houses within 200m and distance to other built structures should be submitted within two months from the issuance of EC.
5. Revised EMP by NABET accredited agency prepared considering the site-specific characteristics should be submitted within two months from the issuance of EC for the appraisal by the SEAC and approval by the SEIAA
6. Revised re-grassing proposal should be submitted within two months from the date of issuance of EC.
7. The green belt should be initiated prior to the commencement of mining using indigenous species.
8. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
9. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
10. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
11. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
12. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration

monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.

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

Item No.13 Environmental Clearance for the Ordinary Earth Excavation Project of Sri. Kuriakose for an area of 76.10 Ares (0.7610 Ha) at Sy No. 227/1-37, 227/1-8, 227/1-8-2 in Valakam Village, Muvattupuzha Taluk, Ernakulam (SIA/KL/MIN/482927/2024)

The Committee examined the Comprehensive EMP submitted by the Project Proponent dated 07.01.2025 and found them satisfactory. As per the application, the proposed quantity of extraction is 27,512 T and the mine life is 1 year. The elevation of the site varies from 60m to 82m. There is a house at 15.6m on the northern side and a private road at 15.6m on the southern side. The medium hazard zone is located at a distance 20km from the proposed site. The depth to water table is reported as 8.5m bgl. **Based on discussion, the Committee decided to recommend EC for 1 year subject to the following specific conditions in addition to the general conditions.**

1. The depth of mining should be limited to 2m below ground level.

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

Item No.14 Environmental Clearance application for the Laterite Building Stone Quarry Project of Sri. Subramanian K, for an area of 0.8093 Ha at Survey No: 65 in Anakkara Village, Pattambi Taluk, Palakkad (Proposal No. SIA/KL/MIN/483628/2024)

The Committee examined the additional documents submitted by the Project Proponent dated 31.12.2024 and found them satisfactory. There is a complaint filed by Devadas V and others vide letter dated 5.12.2024 and which alleges that the PP had committed unauthorised mining from the nearby areas to the depth of 7 to 9m and the pits are stagnated with water causing environmental issues. **Therefore, the Committee decided the following.**

1. **The response from the PP on the complaint filed by Devadas V and others. The SEIAA secretariat shall provide a copy of the complaint to the Project Proponent.**

2. **The Committee also decided to refer the matter to SEIAA for obtaining a report from the Mining and Geology Department.**

Item No.15 Environmental Clearance for the removal of Ordinary Earth Project of Sri. Benny C Cherian for an area of 0.7243 Ha at Survey No. 227/1pt, 227/2pt in Valakam Village, Muvattupuzha Taluk, Ernakulam. (SIA/KL/MIN/489897/2024)

The Committee examined the Comprehensive EMP submitted by the Project Proponent and found satisfactory. As per the application, the mineable reserve is given as 25,592 T for a mine life of 1 year. As per the Form-1 the project cost is 15 lakhs. The elevation of the area varies between 82 m AMSL to 60m AMSL. There are buildings within 50m radius of the proposed site and the nearest is found at 15.1m from the project boundary. As per the presentation, the depth to water table is given as 8.5m below ground level. As per the documents submitted dated 18.10.2024, indicates that the excavation shall follow the topography of the area with a maximum depth not exceeding 2m all along and across the applied area after leaving the buffer zone of 2m from the boundary. **Based on discussion, the Committee decided to recommend EC for 1year subject to the following specific conditions in addition to the general conditions.**

1. The depth of mining should be limited to 2m below ground level.
2. The Project Proponents should implement the comprehensive EMP by considering the adjacent project proposals.
3. The excavation activity should not involve blasting.
4. The excavation activity should be restricted to 2m above the groundwater table at the site.
5. The excavation activity should not alter the natural drainage pattern of the area.
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
10. Workers/laborers should be provided with facilities for drinking water and sanitation.
11. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
12. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.
13. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
14. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.

15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
16. Measures incorporated in the CER should be implemented within 6 months from the date of EC and maintained during the rest of the EC period.
17. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm)

Item No.16 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K P Siyad, Managing Director, M/s Kunnathan Granites Pvt Ltd for an area of 0.9978 Ha at 320/1A-66T-1,320/1A-66T-1-2,320/1A-66T-1- 3,320/1A-89/15-5,320/1A-89/15-6,320/1A-66T-1-3&320/1A-66T-1 in Kottappady village , Kothamangalam taluk, Ernakulam. (SIA/KL/MIN/491075/2024)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory except the NOC from the Irrigation Department. The PP submitted regional EMP considering the adjacent mines viz. Quarry of Smt. Mary Elis(0.9843 Ha), Sri KM Jalal(0.9905 Ha) and Sri. Musthafa Chundakkadan(0.1292 Ha) with a total extend of 3.1080 Ha. As per the additional documents, the depth to water table is 16.10m below ground level and the ultimate depth proposed is 55m AMSL. The PP intimated that the NOC from the Irrigation department is under processing by quoting the letter of Executive Engineer, Perumbavoor dated 06.12.2024. As per the documents submitted, the buildings adjacent to the site have been demolished and the photographs of the same have been produced. The project cost is Rs.140 lakhs. The PP submitted application (No.WL/KL/MIN/QRY/491987/2024) for Wildlife Clearance since the Thattekad Bird Sanctuary is located within 10 km from the site. The elevation of the area varies from 70m above MSL to 90m above MSL. The total mineable reserve is 2,43,225 MT for a mine life of 3 years. As per documents, a quantity of 11,088 cu.m of topsoil is proposed to be removed during the mining operations. About 5,544 cu.m of overburden will be generated throughout the mine life. The average thickness of soil and the over burden varies between 1.6 m to 0.8 m. The medium hazard zone is located at a distance of 5.67 Km from the project boundary. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19.04. 2024. The following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:**

1. Depth of mining should be limited to 60m AMSL
2. The green belt should be initiated prior to the commencement of mining using indigenous species.
3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.

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

Item No.17 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Noushad C.K for an area of 0.3480 Ha at Block No.14, ReSurvey No. 202/1-2, 202/3-4 in Muthuvallur Village, Kondotty Taluk, Malappuram. (SIA/KL/MIN/493349/2024)

The Committee scrutinised the Comprehensive EMP by the project proponent dated 15.01.2025 and found them satisfactory. As per the EMP the total area of the Cluster is reported as 2.0851 Ha considering the laterite mines within 500m radius owned by Sri. Noushad C K (0.1893 Ha in survey No. 63/3-1-1, 63/3-2-1 & 64/4), Sri. Haneefa Kottai (0.6652 Ha in survey No. 63/3-1-1, 63/3-2-1, 63/3-3-1), Sri. Haneefa Kottai (0.1937 Ha in survey No. 63/3-1-1, 63/3-2-1 & 63/3-3-1) and Sri. Sri.Haneefa Kottai (0.6889 Ha in survey No. 204/1-3, 1-12, 1-8, 1-4). As per the application, the total quantity proposed for mining is 47,850 MT (23,925+23,925) with a total recoverable quantity of 38,280 MT. The life of mine is 2 years. As per the Mining Plan, the distance to nearest house is 72.4m. The depth to water table is at 10m bgl at 168m AMSL. The total project cost as per the presentation is Rs. 8,79,100 lakhs. The elevation of the proposed area varies between 182m AMSL to 177m AMSL. The medium hazard zone is located at 2.12 Km from the project boundary. **Based on discussion, the Committee decided to recommend EC for 2 years subject to the following specific conditions in addition to the general conditions.**

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

14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented within 6 months from the date of EC and maintained during the rest of the EC period.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm)

Item No.18 **ToR application for the proposed Granite Building Stone Quarry of M/s.Hanan Rock Products Private Limited, for an area of 6.4799 Ha located in Block No: 33, Re-Survey Nos: 451, 451/1-1, 451/1-2, 452/3, 452/4, 452/4-1, 452/5, 452/5-1, 456/6, 456/7, 457/1, 457/1-1, 457/1-2, 457/1-4, 457/2-1 of Kottangal Village, Mallappally Thaluk, Pathanamthitta District, Kerala State. (SIA/KL/MIN/504759/2024)**

The Committee examined the ToR application and discussed it in detail. As per the PFR the mineral reserves proposed is 35,71,479.38 T. The life of mine is given as 10 years. The elevation of the area varies between 240m AMSL to 100m AMSL. The total project cost is given as 1061.9 lakhs. The project area falls under the moderate hazard zone and the PP obtained NOC from the District level Crisis Management Group dated 14.10.2024 subjected to 6 remarks. **Based on discussion, the Committee decided to recommend Standard ToR under Category 1 (a) Mining of Minerals with the following additional studies.**

1. Landslide susceptibility study.

Item No.19 **Environmental Clearance application for the proposed Laterite Building Stone Quarry of Sri. Abdu Rahiman Kutty for an area of 0.1943 Ha at survey No. 464/1 at Vazhakkad village, Kondotty Taluk, Malappuram, Kerala. (SIA/KL/MIN/429385/2023)**

The Committee examined the application and discussed it in detail. As per the mining plan approved dated 12.04.2023, the targeted production is 29,145MT with a recoverable quantity of 20,401.5 MT. The elevation of the area varies between 136 AMSL to 133.5m AMSL. Average depth of mining proposed is 6m below ground level. As per the Google Imagery, the moderate hazard zone is located at 38m from the proposed site. The site is located in the Mudakoimala, Vazhakkad Village, Kondotty Taluk, Malappuram and noticed that there are complaints from the local residents against mining as it causes environmental pollution in the area. **Based on discussion, the Committee decided to invite the project proponent for presentation. The project proponent shall upload the presentation in the portal**

Item No.20 **ToR application for the proposed Granite Building Stone Quarry of M/s M. K. N Bricks and Blue Metals (P) Ltd (Represented by its Managing Director Mr. M. K. Nassarudeen Musliar) for an area of 4.9800 ha in Survey no. 86/7, 83/25, 83/12-1, 83/13-1-1, 84/2-3, 84/2, 84/2-5, 84/2- 6, 84/2-4, 84/2-2, 84/2-1, 84/1, 84/6, 84/5, 84/16, 84/17, 84/18, 84/19, 80/1, 80/1-1, 80/14, 80/12, 80/12-1, 80/11, 80/8-3, 80/8-4, 80/8-1, 80/8-1-1, 80/13 at Anad Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala State. (SIA/KL/MIN/516940/2025)**

The Committee examined the application and discussed it in detail. As per the application, the mineable reserve is 13,46,442.5 T for a mine life of 10 years. The elevation of the area varies between 135m AMSL to 75m AMSL. The depth to water table is 9m below ground level. The high hazard zone is located at a distance of 14.07km from the project boundary. The moderate hazard zone is located at 14.37km from the proposed site. The project cost is 3.50 Crores. **Based on the discussion, the Committee decided to recommend Standard ToR under Category 1 (a) Mining of Minerals with the following additional studies.**

1. Landslide susceptibility study.
2. Detailed transportation management plan.

Item No.21 **ToR application for the proposed Granite Building Stone Quarry of Sri. Tomy Abraham, for an area of 3.000 Ha. at Survey Nos. 781/1-22-4, 781/1-22-4, 781/1-30, 781/1-24-176 of Athikkayam Village, Ranni Taluk, Pathanamthitta District, Kerala.(SIA/KL/MIN/508959/2024)**

The Committee examined the application and discussed it in detail. As per the application, the mineable reserve is 13,47,460.00T for a mine life of 8 years. The elevation of the proposed area varies between 360m AMSL and 295m AMSL. Total cost of the project is about Rs 577.51 lakhs. **Based on discussion, the Committee decided to recommend Standard ToR under Category 1 (a) Mining of Minerals with the following additional studies.**

1. Landslide susceptibility study.

Item No.22 **Environmental Clearance for the Granite Building Stone Quarry of Shri. Jimmy Jose, for an area of 0.9950 Ha at Sy.No. 318/2-2, 318/2-3 in Venganellur Village, Thalappilly Taluk, Thrissur District. (SIA/KL/MIN/517209/2025) (Old proposal No. SIA/KL/MIN/229494/2021, 2029/EC6/2022/SEIAA)**

The Committee examined the application and noted the decisions of various SEAC/SEIAA meetings held on different dates. The Committee noted that the file is processed physically and SEAC in its 170th meeting recommended EC for a mine life of 3 years. Subsequently, 149th SEIAA meeting recommended EC for 3 years subjected to certain specific conditions in addition to General Conditions. At present, the Project Proponent submitted application

through Parivesh 2.0 and requested vide letter dated 07.01.2025 to delete condition number 1&2 from the recommendations of 149th SEIAA minutes. The PP also states that, the Condition No. 1 pertains to the pendency of WP(C) No. 1036 of 2023 is unsustainable and the case is disposed on 12.09.2023, it is not in respect of the land ceiling proceedings. In case of Condition NO. 2, the quarrying permit from the Mining and Geology Department shall be issued only after the final outcome of the ceiling proceedings pending before the Taluk Land Board. The PP pointed out that no ceiling proceedings were initiated against the proposed quarry. **Based on discussion, the Committee decided to adhere to the decision taken in the 170th SEAC meeting. As requested by the PP the elimination of condition No.1&2 may be decided by the Authority.**

Item No.23 Environmental Clearance for the Granite Building Stone Quarry Project of Sri Hamsa.M.K, Managing Partner, M/s. Kayiliad Granites, for an area of 1.7029 Ha at Re-survey Block No. 46, Re-Survey Nos. 316/1-2, 317/1, 317/4, 318/1-3 in Chalavara Village, Ottappalam Taluk, Palakkad District. (SIA/KL/MIN/456096/2024)

The Committee examined the proposal and discussed the Filed Inspection Report conducted on 24.12.2024. As per the application, the mineable reserve is 5,54,513 MT with an average annual production 85,000 MT. The life of mine is 7 years. The total project cost is 209 lakh. The depth to water table is 11.4m below ground level. The highest elevation of the permitted area is 145m above MSL and the lowest elevation is 95m above MSL. **After detailed discussion, the Committee decided to direct the Proponent to submit the following clarification/additional documents for further appraisal of the application.**

1. Revised EMP with budget prepared by a NABET accredited consultant.
2. Contour map generated with 1m interval, Digital Elevation Model Map, Slope map, Ortho map of 5m interval generated through drone survey using LIDAR over the proposed project area and outside it up to about 500m distance all around.
3. Soil profile along and across the project site.
4. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.
5. Distance to the nearest wildlife sanctuary as depicted in the google imagery.
6. Compensatory afforestation plan along with geo-tagged photographs of the proposed site and species proposed to be planted.
7. Detailed drainage plan
8. Soil depth profile across and along the project site
9. Plan for boulder management
10. Revised plan for compensatory afforestation, preferably in a public place, with geo-tagged photographs and species proposed to be planted.
11. The CER will be revised to include a plan (establishing a small pond or well) to ensure water availability for the surrounding area. This water body will be augmented by the storm water flow from the quarry.
12. Plan for removal of the small shed situated in the project site

Item No.24 **Environmental Clearance for the Residential Building Construction project of Sri. S. Krishnakumar, Managing Director, M/s Nikunjam Constructions Pvt. Ltd. at Sy.No. 396/13, 396/14, 396/15, 396/16-1, 396/17, 396/18, 396/4, 396/5-1, 396/6-1, 396/6-1-1-1, 396/6-1-1-2, 397/11, 397/7, 397/8, 397/9-1, 397/10, 397/12, 397/24 Attipra Village, Thiruvananthapuram Taluk, Thiruvananthapuram District. (SIA/KL/INFRA2/484270/2024)**

The Committee examined the proposal and discussed the Filed Inspection Report conducted on 13.01.2025. The proposed project is for construction of Residential project consisting 2 blocks with Gr. + 14 floors, and the height is 45m. As per the application, the total Built-up area proposed is 35,001 sqm with 200 apartments. The total plot area is around 0.6519 ha (6,519 sqm). The highest contour of the proposed site is 37 lvl. (NE) and lowest contour is 31 lvl. (SW). The parking space proposed is for 232 Cars and 289 two wheelers. The FAR proposed is 26,074.53 sq.m. (@3.999). The Project cost is Rs. 80.2084 Crores. The water table is given by 10-12m below ground level. During the discussion, the Committee noted the following salient aspects in the field.

- a) NOC from the KWA required.
- b) Proponent submitted that the Earth excavation submitted in the application is wrong and provided details stating that total earth cutting would be 17142.5 cum and earth filling will be 185.8 cum.

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

1. NOC from the KWA.
2. Details regarding the actual earth excavation required and details as to how the excavated earth will be utilized.
3. Yield characteristics of the bore well and the two open wells.
4. Detailed drainage plan.

Item No.25 **Environmental Clearance for the Granite Building Stone Quarry of Sri. K J Thomaskutty, Managing Partner, M/s Shah Quarry for an area of 4.8894 Ha at Block no.41, Re-Survey No. 320/1, 320/1-2, 320/1-3, 320/1-4, 320/1-5, 320/1-2-2, 320/2-3, 320/2-4, 320/2-5, 320/2-6, 320/2-8, 320/2-10, 322/2-2, 322/2-3, 322/5, 326/2-2, 325/3, 324/5-1, 324/7, 324/5-1-2, 318/1-6, 320/3, 321/15, 321/28, 321/16, 322/7, 322/4, 318/1-2 in Chadayamangalam Village, Kottarakkara Taluk, Kollam District. (SIA/KL/MIN/468799/2024)**

The Committee scrutinised the additional documents submitted by the project proponent dated 22.01.2025. The PP submitted revised compensatory afforestation plan proposed in 4 schools with a 4,833 saplings. The documents suggesting mitigation measures for health issues raised by the local residents. The boulder management plan prepared by University of Kerala using wire saw cutting, Hydraulic Splitters, Expansive Mortar and Heavy Machinery to avoid the potential risks. As per the Digital Elevation Modelling, the proposed site having

an average elevation of 123 m AMSL ranging from 97 m to 141 m AMSL. The Average slope of the project site is 12° with maximum slope of 26° and the buffer area has an average slope of 9° with a maximum of 27°. **The Comprehensive EMP submitted does not considered all the operational and proposed quarry within the cluster, their cumulative impacts and mitigation measures and the EMP cost. The EMP budget includes the cost of construction of road to the site which should have been included in the project cost. Therefore, the Committee decided to direct the PP to submit the revised Comprehensive EMP with details of mitigation measures and management plan considering all the existing and proposed quarries within the Cluster.**

Item No.26 Environmental Clearance for the Proposed Construction of IT office Building Project of Sri. Hrishikesh Nair, M/s Brigade Enterprises Ltd., at Block No. 9, Re-Sy. Nos. 624/1 pt, 624/3 pt, 624/7 pt, 624/8 pt, 624/9 pt, 633/1 pt, in Kakkanad Village, Thrikkakara Municipality, Kanayannur Taluk, Ernakulam. (SIA/KL/INFRA2/491460/2024)

The Committee examined the proposal and discussed the Filed Inspection Report conducted on 23.01.2025. As per the application, the total area is 0.627615 ha. (6,276.15 sqm). The total built-up area is 47,709.33 sqm. The FAR proposed is 25,102.92 sqm (@3.999). The floors proposed are Ground floor + 16 floors. The maximum height of the project is 65.85m. The water requirement is 187 KLD and, the daily fresh water requirement is 85 KL. The domestic sewage generation is 113 KL/day. The elevation difference of the area is 3.069 lvl- 4.585 lvl. The proposed parking facility is for 510 Cars + 630 sq.m. space for two wheelers. **During the discussion, the Committee noted the following salient aspects in the field.**

- a) There is a drain (thodu) located outside the project site in the west direction of the property (Act 1.22) which is periodically maintained by Infopark management.
- b) The site is not found disaster prone as per the landslide zonation flood prone map prepared by KSDMA.
- c) Application for NOC from NBWL is submitted on 07-08-2024
- d) Charging points and parking provision for disabled are provided
- e) Road access to the project site is from 10m wide internal Rrad of Infopark Campus

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

- 1) Detailed CER as per the guidelines published in the SEIAA website
- 2) Detailed traffic study
- 3) Detailed drainage plan
- 4) Periodical drain maintenance plan

The Committee decided to convene its 179th SEAC meeting on 11st to 13th February 2025

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

Sd/-
Suneel Pamidi, IFS
Member Secretary, SEAC

Sd/-
Dr. R. Ajayakumar Varma
Chairman, SEAC

LIST OF PARTICIPANTS:

Sl.No.	Name	24.01.2025
1.	Dr. R. Ajayakumar Varma (Chairman)	✓
2.	Sri. S. Sheik Hyder Hussain	✓
3.	Dr. A. Bijukumar.	X
4.	Dr. A.N. Manoharan	✓
5.	Shri. M. Dileepkumar	X
6.	Dr. C.C. Harilal	✓
7.	Dr.K.Vasudevan Pillai	✓
8.	Dr. Mahesh Mohan	✓
9.	Dr. K.N. Krishna Kumar	X
10.	Sri. V. Gopinathan	✓
11.	Dr. A.V. Raghu	✓
12.	Dr. N. Ajithkumar	✓
13.	Suneel Pamidi (Secretary)	✓