MINUTES OF THE 195TH MEETING OF THE STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC-3), NORTH ZONE KERALA HELD ON 28th & 29th JANUARY 2026, IN THE CONFERENCE HALL, STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA

The meeting started at 10.30 am on 28th January 2026. Dr. Anil Kumar Bhardwaj IFS (Retd), Chairman, SEAC-3, North zone, Kerala chaired the meeting. The Committee discussed the following agenda items in detail and took the decisions:

PHYSICAL FILES

Item No. 195.01 **Confirmation of the Minutes of the 192nd SEAC-3 meeting held on 9th January 2026**

Confirmed.

Item No.195.02 **Environmental Clearance issued to the Granite Building Stone Quarry of Sri. Ramakrishnan. C, Managing Director, M/s Thiruvambadi Rocks Private Limited, for an area of 0.9800 Ha at Un Survey area, in Thiruvambady Village, Thamarassery Taluk, Kozhikode – Complaint received from Sri. Bose Jacob (SIA/KL/MIN/129967/2019, 1861(A)/EC4/2019/SEIAA)**

The Committee took note of the directions of the 159th SEIAA meeting and examined the complaint submitted by Sri. Bose Jacob, Member, Kodencherry Division, District Panchayat, Kozhikode, vide letter dated 07.05.2025. The complainant alleged that the project site is situated in a densely populated hilly area at Thumbakode Mala, which is vulnerable to natural hazards such as landslides, soil erosion, and flash floods. It was further stated that Thiruvambady Village is an ESA village as per the directions issued by MoEFCC on 13.11.2013. The Committee observed that the Environmental Clearance was granted on 03.03.2024 for a project period of five years, and that the concerns raised in the complaint pertain to hazard vulnerability and population density in the vicinity of the proposed quarry site. **After deliberation, the Committee resolved to provide an opportunity of hearing to both the complainant and the Project Proponent at the next meeting, during which both parties shall present their submissions and supporting evidence**

to substantiate their respective positions. The SEIAA Secretariat shall issue the necessary intimation to both parties in this regard.

Item No.195.03 **Environmental Clearance issued to the Granite Building Stone Quarry project of Sri. M.P Balan, for an area of 0.9928 Ha at Re.Sy.No.29/3 in Meppayur Village, Koyilandy Taluk, Kozhikkode – Interim Order dated 22.10.2025 in WP(C) No.9338/2025 filed by Sri. Prajeesh and others, and Interim Order dated 29.10.2025 in WP(C)No.10719/2025 filed by Sri. M.P. Balan before the Hon'ble High Court of Kerala (File No.1885/EC4/2021/SEIAA)**

The Committee discussed the field inspection report dated 22.12.2025, which was conducted in compliance with the Hon'ble High Court's order dated 22.10.2025 in WP(C) No. 9338 of 2025, filed by Sri. Prajeesh, directing expeditious consideration of Ext. P8, the representation submitted by the residents of Keezhpayoor Grama Panchayat. During the site visit, the committee interacted with the complainants, local representatives, and the project proponent's representatives. The committee observed that, that no mining activity has commenced so far, despite the EC having been issued on 03.03.2023. The quarry site is geomorphologically an isolated residual hill with thin soil cover and substantial exposed rock. The subcommittee noted that no residential structures are located within 50 m of the quarry boundary and that the site does not fall under any notified hazard-prone zone as per the latest Geological Survey of India (GSI) maps. Allegations regarding the presence of water springs near the quarry site were not substantiated during the field visit, though seasonal drainage channels from the hill were observed. The access road to the site was found to be narrow, necessitating traffic and safety management if operations commence. With respect to biodiversity, the Committee compared the Biodiversity Report submitted during appraisal with the Rapid Biodiversity Assessment (RBA) conducted subsequently by Malabar Natural History Society. While the Rapid Biodiversity Assessment (RBA) reported high biodiversity across the broader Purakkamala hill system and the adjoining valley and wetland areas, including the presence of diverse flora and fauna, migratory birds, and species of conservation significance, the Committee observed during site inspection that the quarry site itself is located in the lower portion of Purakkamala, has very thin soil cover, is predominantly composed of exposed rock, and supports only limited floral diversity, with the presence of a few common and invasive plant species. The

valley areas, which support wetlands and paddy cultivation, were acknowledged as ecologically sensitive; however, the Committee noted that impacts would depend on effective implementation of drainage, silt control, and other environmental safeguards. The Committee also discussed the Interim Order dated 17.03.2025 in WP(C)No.10719/2025 filed by Sri. M.P. Balan before the Hon'ble High Court of Kerala. **Based on the deliberations, the Committee decided to submit the field inspection report to SEIAA and recommend upholding the Environmental Clearance issued, subject to the following additional specific conditions, in addition to the conditions already imposed in the EC dated 03.03.2023:**

1. *Detailed routine monitoring of biodiversity shall be carried out, and the monitoring report shall be submitted along with the half-yearly compliance reports.*
2. *The haulage road shall be strengthened and maintained in good condition at all times.*

Item No.195.04 **Environmental Clearance for the Granite Building Stone Quarry Project of M/s Megha Engineering & Infrastructures Ltd. for an area 2.1854 ha at Re.Sy.Nos.74/772, 74/151, 74/154, 74/152, 74/1D of Kuttur Village, Payyannur Taluk, Kannur**
(SIA/KL/MIN/269091/2022; 1975/EC4/2022/SEIAA)

The Committee examined the matter in detail, taking into account the field inspection report of the Sub-Committee dated 09.11.2025 and the submission of the Project Proponent dated 06.12.2025. The Committee also noted the decisions of various SEIAA and SEAC meetings held on different dates in connection with the present matter. Environmental Clearance (EC) was granted on 24.03.2023, and the EC was subsequently suspended on 21.05.2024 as per the decision of the 140th SEIAA meeting, owing to violation of EC conditions. The Committee observed that the Project Proponent had committed a grave irregularity by violating the EC conditions. It was noted that the offence related to illegal extraction of laterite was compounded under the Kerala Minor Mineral Concession Rules, 2015, after payment of royalty, price, and compounding fee, and that ordinary earth was not proceeded against as it was not transported outside the project area. An amount of ₹4,66,420/- towards royalty, price, and compounding fee was recovered from the landowner. The Committee also took note of the proceedings of the Director, Mining and Geology dated 26.05.2025, issued in compliance with the judgment of the Hon'ble High Court dated 25.09.2024

in WP(C) No. 33573/2024, wherein the Director, Mining and Geology was directed to decide the complaint after hearing both the complainant and the Project Proponent. **After detailed deliberation, the Committee decided to recommend the following to SEIAA for further action:**

1. **To seek a comprehensive report from the District Geologist, Kannur, on the present status of the project area, duly incorporating the findings and proceedings of the Director, Mining and Geology, dated 26.05.2025.**
2. **To direct the Project Proponent to submit an Environmental Damage Assessment Report with Mitigation measures for the violation of EC conditions, prepared by a NABET- accredited EIA consultant, within a period of three months.**

Item No.195.05 **Environmental Clearance issued to the Granite Building Stone Quarry project of Sri. Rajeevan Nambiar, Managing Director, M/s Kokkallur Granite Private Limited at Re.Survey Block No.1, Re. Survey No.49/1B,85,86 in Balussery Village, Koyilandy Taluk, Kozhikode - Interim order dated 03.12.2024 in WP(C) No.37162/2024**
(File No. 1262/EC1/2019/SEIAA)

The Committee examined the matter in detail along with the Field inspection report dated 07.11.2025. Based on the inspection observations, most of the stipulated conditions have been partially complied with. The approach road widening requirement of 7.5 m has been met only up to 5 m near the main road, and measures such as designation of labourers for periodic cleaning of silt traps and garland canals have been only partly implemented. The overburden dumping site has been partially addressed, with large quantities of overburden present; one portion is identified in the lower plain area and an old quarry, while the remaining material is dumped along the quarry access road. Compliance with approved mine plans, KMMCR provisions, CER activities, installation of sprinklers, avenue tree plantation, bench height norms, garland drains with clarifiers, catch drains, siltation ponds, and compensatory plantation (five times the tree loss) remains partial, with recent plantation activity observed along the roadside. However, dust control measures through tarring or multiple access-road options and the use of acoustic enclosures have been fully

complied with. Overall, while certain critical measures are in place, substantial gaps remain in achieving full compliance with environmental and operational conditions.

Also, the subcommittee held discussions with the complainants and examined the issues raised during the site visit. Allegations regarding excess mining beyond 200 MT per day and high-impact blasting could not be directly verified as the quarry was non-operational during inspection; however, the proponent has already paid a penalty of ₹1,22,10,321 for violations. Cracks observed in more than six nearby houses, all constructed 5–6 years ago and located mostly beyond 180 m from the quarry (except one at 140 m), could not be conclusively attributed to blasting vibrations. Regarding suppression of facts, the nearby Green Valley School located at 180 m north of the site was not shown in the application, though road width was found to be 5 m near the main road and gradually increasing towards the quarry, and no houses were observed within 50 m of the site despite claims of a nearest house at 30 m. Concerns about water contamination from overburden dumps were examined, and the OB dump was found to be properly protected with gabion walls within the proponent's area and partly in an old quarry, with no evidence of soil seepage; turbidity in wells during monsoon was attributed to poor well construction rather than quarry activity. No public roads were found to be obstructed or used through the quarry area, and benching was observed to be only partially maintained, with scope for improvement subject to quarrying permissions. The committee also observed that the Department of Mining and Geology issued Demand Notice No. 198/2024-25/DMG/8936/2021-M1 dated 24-06-2024, imposing a penalty of ₹1,22,10,321/-. The lessee remitted the penalty amount in two instalments. As per the report of the sub-committee the total quantity excavated comprises 119,554.6 m^3 from the mining area, 3,901.12 m^3 from the buffer zone, and 1,070.44 m^3 from outside the lease area.

Based on the discussions, the Committee decided to submit the Field Inspection Report containing the above observations to SEIAA as sought in its 151st meeting with the following recommendations:

1. **To direct the Project Proponent to comply with all non-compliances related to the specific and general conditions observed by SEAC within a period of four months and to submit a detailed compliance report with proof thereafter.**

2. **To direct the Project Proponent to submit an Environmental Damage Assessment Report, along with mitigation measures for the violation of EC conditions, prepared by a NABET-accredited EIA consultant.**

PARIVESH FILES (Ver-1)

Item No.01 **Environmental Clearance application 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 reviewed the item and noted the decision of 185th SEAC meeting. The Committee scrutinized the modified mining plan dated 11.11.2025 and the modified mining plan approval letter from District Geologist Kasaragod and found it acceptable. As per the Modified Mining Plan, the reserves have now been quantified as follows: Total Geological Reserves: 44,42,941.41 MT; Total Blocked Reserves: 24,98,855.53 MT; Total Mineable Reserves: 19,44,085.88 MT. The targeted annual average production is about 1,65,834 MTA for the first 11 years and is about 1,19,911.88 MTA for the final year. The ultimate pit level is 160 m MSL. The Committee observed that the revised quantity is feasible for the mine life of 12 years as recorded in the modified mining plan. Therefore, **the Committee decided to recommend EC for 12 years subjected to the following Specific Conditions in addition to the General Conditions.**

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*

2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit / lease order should be provided to the SEIAA before commencing the mining activity.*

3. *The depth of mining should be limited to 160m MSL.*

4. *The conditions stipulated in the NOC from the Irrigation Department should be strictly complied with.*

5. *All the assurances and the mitigation measures committed by the Project Proponent as per the minutes of public hearing should be complied with.*

6. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*

7. *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.*

8. *Proper fencing with green Argo net at a height of 5m shall be installed around the project area.*

9. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*

10. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*

11. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).*

12. *Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*

13. *Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites.*

14. *The impact of vibration due to blasting on the houses and other built structures within 200 m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.*

15. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.*

16. *Implementation of CER Plan should be done during the first year itself of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.*

17. *The haulage road should be provided with sprinkling facility to prevent dust pollution.*

18. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00 am to 10.00 am) and afternoon (3.30 pm to 5.00 pm).*

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.*

22. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*

23. *Rainwater harvesting measures should be provided as per the guidelines of the Central Groundwater Authority and geotagged photographs of the same shall be submitted along with first HYCR.*

24. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*

25. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of Corporate Environmental Responsibility (CER) shall be 2% of the total project cost.*

26. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

27. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

28. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

PARIVESH FILES (Ver-2)

Item No.01 **Application for the Composite Environmental Clearance and CRZ Clearance for the proposed Residential cum Commercial Building Construction project, "*Golden Sands*" jointly to be developed by M/s Sands Developers Pvt Ltd. and M/s H K Beach Project LLP for a plot area 1.0457ha at Re-Sy. Nos. 536/2, 536/3, 536/4, 536/5, 536/6, 537/2, 537/3, 538/2 in Kasaba Village, Kozhikode Municipality, Kozhikode Taluk & District (SIA/KL/INFRA2/554200/2025)**

As invited, the Project Proponent and the Consultant were present and the Consultant presented the features of the project. The proposed residential cum commercial building construction project is planned on a plot area of 1.0457 ha with a total built-up area of 72,622 sq. m, developed with an FAR of 3.99 (41,742 sq.m) and comprising Ground floor + 63 floors, with a maximum building height of 232.20 m. The total project cost is ₹355.40 Crores. During construction, limited soil excavation of about 100 cu. m is envisaged, of which 40 cu. m of topsoil will be preserved for landscaping and 60 cu. m reused within the site for backfilling and internal road works, with no disposal outside the project premises. A comprehensive Environmental Management Plan (EMP) is proposed covering air, water, noise, solid waste management, drainage, occupational health & safety measures, and environment monitoring plan with adequate budgetary provisions, along with Corporate Environment Responsibility activities proposed for 533 lakhs. The total water requirement during operation is 119 KLD, comprising 72 KLD fresh water sourced from KWA supply and rainwater storage (155 KL tank) and 47 KLD recycled water reused for flushing, horticulture, and car washing. Domestic sewage generation of 87 KLD will be treated in an on-site 98 KLD STP (MBBR technology with tertiary treatment), and treated water will be reused. Traffic management is planned with separate entry and exit points for residential and commercial components, adequate internal road widths, and smooth traffic circulation. Parking facilities are provided as per KMBR norms, ensuring adequacy for both residential and commercial users. Solid waste generation during operation is about 400 kg/day, managed through on-site segregation, a 200 kg/day bio-gas plant, and authorized disposal of non-biodegradable waste through the local body. The project site falls under CRZ-II, located landward of an existing pre-1991 Beach Road. During presentation the PP intimated that the CRZ Clearance is under processing. Energy conservation measures include partial solar power integration, LED lighting, energy-efficient systems, and optimized building design. During the presentation, a drone video of the project site was also

presented to demonstrate the existing site conditions and surrounding land use. **After discussion, the Committee decided to direct the Project Proponent to submit the following additional documents:**

1. **CRZ Recommendation from KCZMA**
2. **A site-specific drainage management plan considering high-intensity rainfall events and overland flow from adjoining catchments, including assessment of the carrying capacity of the receiving drains and downstream impacts, so as to avoid flash flooding. The drainage management plan shall also include provisions for improvement and beautification of the existing open public drain along the eastern side of the proposed project site**

Item No.02 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Sanker T. Ganesh, Partner, M/s. Ellora Stones, for an area of 3.9001 Ha at Survey No. 291/2, 293/101, 293/103, 293/104, 293/105, 293/106, 293/107, 293/108, 293/110, 293/112, 293/3, 299/103, 299/109, 299/4, 348/1 at Block No. 45 in Vayakkara Village and 135/1,135/101,135/116,135/118,135/119, at Block No. 42 in Peringome Village, Payannur Taluk, Kannur (SIA/KL/MIN/457313/2024)**

As invited the Project Proponent Sri. Sanker T Ganesh, the EIA Consultant Sri. Shreeshailacharya Badiger (authorized person) and the RQP Sri. Navin Kumar were present. The Committee reviewed the presentation of the proposal and discussed it in detail. The ToR for the project was approved on 21.07.2023 and the Public Consultation was conducted on 19.10.2023. The life of mine is 10 years. The project cost is 600 Lakh. The highest elevation of the proposed area is 340 m above MSL and the lowest elevation is 275 m above MSL. During the presentation, the Committee observed that, as per the National Landslide Susceptibility Map (GSI–Bhukosh), a portion of the proposed project area falls within High as well as Moderate Landslide Hazard Zones. Approximately 0.62 ha of the project area located near BP6, BP11, BP12, and BP13, and an additional 0.05 ha near BP1, BP2, and BP19, are classified under the High Hazard Zone. In addition, certain portions of the project area fall within the Moderate Hazard Zone. It was further noted that earlier assessments had not indicated the presence of any hazard zoning within the proposed project area. During the presentation, the Project Proponent and their representatives stated that all areas falling within the High Hazard Zone would be excluded from mining operations and maintained as no-mining areas,

with the provision of an adequate safety buffer. The Committee further noticed that the EMP capital cost is Rs. 24 Lakhs and the Recurring Cost is Rs. 3.25 Lakhs only and is not site specific. **Based on the discussions, the Committee decided to direct the Project Proponent to submit the following additional documents for further consideration:**

1. **A revised mining plan, clearly demarcating and excluding all areas falling within the High Hazard Zone.**
2. **An affidavit affirming that the areas classified under the High Hazard Zone shall be permanently maintained as no-mining areas with an adequate buffer, as committed during the presentation.**
3. **A Comprehensive EMP, prepared by a NABET-accredited consultant, considering all adjacent quarries with a realistic site-specific budget.**
4. **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.03 **Environmental Clearance for the proposed Laterite building stone quarry of Smt. Fathimath Suhara, for an area of 0.4430 Ha, at Re-SurveyNo19/721,19/720, 19/64,19/613, 19/612, 19/611,19/723 in Koodathai Village, Thamarassery Taluk, Kozhikode (SIA/KL/MIN/515008/2025)**

The Committee examined the proposal in detail and scrutinized the additional documents submitted and found satisfactory. The Committee heard the presentation of the proposal in its 189th SEAC meeting. The targeted production of mine will be 66,450 MT. The expected life of mine is 1 Year. The highest elevation within the permit area is 228 meters above mean sea level (MSL), and the lowest is 221 meters above MSL. The depth of water table is 8m BGL as observed in the nearest well. Additionally, the Cluster Certificate dated 09.09.2024 confirms that two other quarries are in operation within a 500-meter radius: one operated by Saji Jose (3.1052 Ha for Granite Building Stone) and another by Subair Chakkingal (0.668617 Ha for Laterite Building Stone), both working with a concession. As per GSI Bhukosh, the Moderate Hazard Zone is at 3.2 Km and High Hazard zone is 4.82 Km away from Project Area. The total project cost is Rs. 18 Lakhs of which Rs. 3,50,000/- is allocated for the EMP. An amount of 36,000/- is earmarked for CER activities. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other additional

documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for 1 (One) year, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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)

<u>Item No.04</u> **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Vichithran. T. P., for an area of 2.0364 Ha. at Block No. 199, Re-Survey Nos. 275/1157, 275/218, 275/520, 275/1192, 270/106, 275/1021, 275/1193, 270/108, 270/103, 270/102, 270/105, 270/107, 275/1194, 270/109, 270/110 & 270/111 Thrippangottur Village, Thalassery Taluk, Kannur (SIA/KL/MIN/537991/2025)**

The Committee examined the proposal and noted that, as per the direction of the 189th SEAC meeting, the Project Proponent has submitted a certificate dated 08.01.2026 issued by the District

Geologist, Kannur. As per the certificate, it is observed that three quarries are located within a radius of 500 m from the proposed quarry area. These include (i) a quarry owned by Sri. Sudarsan C.K., having an extent of 2.1558 ha, which is presently operational with a valid quarrying lease; (ii) a quarry owned by Sri. Sunil Babu T.P., having an extent of 2.3066 ha, which is not operational due to exhaustion of mineable reserves and for which the Final Mine Closure Plan has been submitted; and (iii) a quarry owned by Sri. Pushparajan T., having an extent of 0.9155 ha, which is not operational due to expiry of the quarrying permit and for which the Final Mine Closure Plan has been demanded. The Committee noted that, although it is stated that the Mine Closure Plan has been submitted/demanded, the quarries have not been reported as finally closed. The Committee raised concern that, since the adjacent two quarries have not undergone final closure in accordance with the approved Mine Closure Plan, as per the KMMC Rules they continue to be treated as live quarries until restitution of environmental damage in the mined-out areas is duly certified. The Committee further observed that, if the cluster condition prevails (cumulative area of the quarries including the proposed quarry exceeding 5 ha), the Project Proponent is required to apply for Terms of Reference (ToR) for conducting an EIA study and Public Hearing. **After detailed discussion, the Committee resolved to call the Project Proponent along with the RQP for a hearing/presentation to substantiate the above concerns, along with presentation of the project. Further decision on whether to proceed with the present EC application or insist on submission of a ToR application for comprehensive EIA and public hearing shall be taken in the subsequent meeting.**

Item No.05 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Ajayakumar M., for an area of 0.3884 Ha at Block No:48, Re-Survey No. 145/1185 of Payam Village, Iritty Taluk, Kannur (SIA/KL/MIN/543163/2025)**

As invited, the Project Proponent, Sri. Ajayakumar M, and the RQP, Sri. V. K. Roy, were present. The RQP presented the salient features of the project. The mine life is two (2) years, with a total mineable quantity of 33,014 MT, of which the recoverable quantity (70%) is 23,109.8 MT**,** comprising 12,234.6 MT in the first year and 10,875.2 MT in the second year. A Non-Cluster Certificate dated 23.05.2025 confirms that there are no authorised quarries within a 500 m radius of the project site. The nearest built-up structure is a plywood company located at a distance of 119

m from the quarry boundary. As per the national landslide susceptibility map, the project area falls partly under a moderate hazard zone**,** with no high-hazard zone within the lease area. The elevation of the site ranges from 115 m to 120 m AMSL, with an elevation difference of about 5 m. The revised project cost is ₹8,38,957**,** which includes an Environment Management Plan (EMP) cost of ₹2,43,300 and a Corporate Environment Responsibility (CER) provision of ₹23,300. Drainage within the quarry area is managed naturally, wherein rainwater is allowed to settle within the quarry pits for groundwater recharge, and surface runoff is guided through natural drainage courses towards the Baveli River, without external discharge under normal conditions. The Committee also scrutinized the drone video of the proposed site. The depth of water table is at 9m BGL (65m AMSL) and the Ultimate pit level is at 112m AMSL. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for two (2) years, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.06 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Pavithran K V., President, Kannur Building Materials Co-Op Society Ltd.., for an area of 0.9990 Ha at Block No:28, Re-Survey No. 337,337/101,338/101of Kankol Village, Payyannur Taluk, Kannur (SIA/KL/MIN/543457/2025)**

As invited, the Project Proponent, Sri. Pavithran KV, and the RQP, Sri. V. K. Roy, were present. The RQP presented the salient features of the project. The mine life is three (3) years, with a total mineable quantity of 1,09,890 MT, of which the recoverable quantity (70%) is 76,923 MT, comprising 25,641 MT per year during the first, second and third years. A Non-Cluster Certificate dated 17.02.2025 confirms that no authorised quarries exist within a 500 m radius of the project site. The nearest built-up structure is a residential house located at a distance of 161.7 m from BP-3. As per the National Landslide Susceptibility Map (GSI-Bhukosh), the project site does not fall within any landslide hazard zone, with the nearest moderate and high hazard zones located beyond 15 km from the lease area. The elevation of the site ranges from 79 m to 84 m AMSL, with an elevation difference of about 5 m. The revised project cost is ₹13,57,307, which includes an Environment Management Plan (EMP) provision of ₹5,20,000 and a Corporate Environment Responsibility (CER) allocation of ₹60,000. Drainage within the quarry area is managed naturally, wherein rainwater is allowed to collect and percolate within the quarry pits for groundwater recharge, while surface runoff is channelised through natural drainage courses towards the Kanayi Thodu (seasonal stream), without external discharge under normal conditions. The depth of mining is restricted to laterite extraction only, corresponding to an average mineable laterite thickness of about 5.5 m, which remains well above the groundwater table occurring at about 9 m below ground level. The Committee also scrutinized the drone video of the proposed site. The Ultimate pit level is at 74m AMSL. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental**

Clearance for three (3) years, subject to the following specific conditions in addition to the general conditions.

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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)

<u>Item No.07</u> **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Suresh K., for an area of 0.5908 Ha at Block No:30, Re-Survey No.679 of Eramam Village, Payyannur Taluk, Kannur (SIA/KL/MIN/552530/2025)**

As invited, the Project Proponent, Sri. Suresh K, and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The quarry is planned for a mine life of three (3) years, with an annual recoverable production of about 9,650 MT, resulting in a total recoverable quantity of 28,949 MT

(70%) from an excavated quantity of 41,356 MT. Mining is confined to laterite extraction with an average mineable thickness of about 3.5 m, while the groundwater table occurs at approximately 9 m below ground level, ensuring that excavation remains well above groundwater. A Non-Cluster Certificate dated 27.02.2025 confirms that no authorised quarries are present within a 500 m radius, and there are no built-up structures within 50 m of the lease boundary. Based on the National Landslide Susceptibility Map, the project site does not fall within any landslide hazard zone, with the nearest hazard zones located at a considerable distance from the lease area. The revised project cost is ₹23,00,683, which includes an Environment Management Plan (EMP) allocation of ₹5,20,000 covering air, water, noise, green belt development, occupational health, reclamation and rehabilitation measures, along with a Corporate Environment Responsibility (CER) provision of ₹40,000. The quarry area lies between 99 m and 101 m AMSL, with a gentle slope facilitating natural drainage. Rainwater accumulating within the quarry pits will be allowed to settle and percolate for groundwater recharge, and surface runoff will be safely channelised through natural drainage courses towards the Payyannur River, without routine external discharge. The Committee also scrutinized the drone video of the proposed site. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for three (3) years, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.08 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. K. M. Lazer., for an area of 0.0971 Ha at Block No. 166, Re-Survey No. 163/2 of Sreekandapuram Village, Taliparamba Taluk, Kannur (SIA/KL/MIN/552543/2025)**

As invited, the Project Proponent, Sri. K.M Lazar, and the RQP, Sri. V. K. Roy, were present. The RQP presented the salient features of the project. The life of mine proposed is 1 year. The project involves extraction of laterite building stone with an average mineable thickness of about 4.0 m, yielding a total excavated quantity of 7,768 MT, of which the recoverable quantity (70%) is 5,437.6 MT. The quarry area lies at an elevation ranging from 128 m to 130 m AMSL, with a relief of about 2 m, and the groundwater table occurs at approximately 9 m below ground level, ensuring that mining activities do not intersect groundwater. A Non-Cluster Certificate dated 25.04.2025 confirms that no authorised quarries are present within a 500 m radius, and there are no built-up structures within 50 m of the lease boundary. Natural drainage in the area follows a south-west to north-east slope, wherein rainwater collecting within the quarry pits is allowed to percolate for groundwater recharge, while surface runoff is safely conveyed through natural drainage courses towards the Valapattanam River. Based on the National Landslide Susceptibility Map (GSI-Bhukosh), the project site does not fall within any landslide hazard zone. The revised project cost is ₹3,68,806, which includes an Environment Management Plan (EMP) provision of ₹1,50,000 covering air, water, noise, green belt development, occupational health and reclamation measures,

along with a Corporate Environment Responsibility (CER) allocation of ₹10,000 to be implemented during the mining period. The Committee also scrutinized the drone video of the proposed site. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for one (1) year, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.09 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. George P V., for an area of 0.3884 Ha at Block No:146, Re-Survey No. 256/911 of Kadannappally Village, Payyannur Taluk, Kannur (SIA/KL/MIN/552600/2025)**

As invited, the Project Proponent, Sri. George PV, and the RQP, Sri. V. K. Roy, were present. The RQP presented the salient features of the project. The quarry is planned for a mine life of two (2) years, with a total mineable laterite quantity of 38,840 MT, of which the recoverable quantity (70%) is 27,188 MT, proposed to be produced at 13,594 MT per year. The groundwater table occurs at approximately 9 m below ground level, ensuring that excavation remains well above groundwater. The quarry area lies between 84 m and 87 m AMSL, with an elevation difference of about 3 m, and exhibits a gentle slope facilitating natural drainage. It is noted that the rainwater accumulating within the quarry pits will be allowed to settle and percolate for groundwater recharge, and surface runoff from higher elevations will be channelised through natural drainage courses towards the Kuppam River. A Cluster Certificate dated 30.05.2025 confirms that one existing quarry of the same proponent, having an area of 0.0971 ha, is present within a 500 m radius. The project site has no built-up structures within 50 m of the lease boundary. As per the National Landslide Susceptibility Map (GSI–Bhukosh), the project site does not fall within any landslide hazard zone, with the high hazard zone located at about 12.34 km from the lease area. The revised project cost is ₹15,01,560, which includes an Environment Management Plan (EMP) provision of ₹2,71,360 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹21,360 for community welfare activities during the mining period. The Committee also scrutinized the drone video of the proposed site. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for two (2) years, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.10 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. P. Babu., for an area of 0.4732 Ha at Block No. 38, Re-Survey No. 173/101 of Vellora Village, Payyannur Taluk, Kannur (SIA/KL/MIN/552619/2025)**

As invited, the Project Proponent, Sri. Suvarnan (authorized person), and the RQP, Sri. V. K. Roy, were present. The RQP presented the salient features of the project. The project is proposed for a mine life of three (3) years, with a total mineable laterite quantity of 52,052 MT (100%), out of which the recoverable quantity at 70% is 36,436.4 MT, comprising 14,645.4 MT each during the first and second years and 7,145.6 MT during the third year. A Non-Cluster Certificate confirms that there are no authorised quarries within a 500 m radius of the lease area. The nearest built-up structure is a temporary shed located at about 20.6 m from the quarry boundary. The Committee also scrutinized the drone video of the proposed site. As per the National Landslide Susceptibility Map, the project area does not fall within any landslide hazard zone, with the low, moderate and high hazard zones located at approximately 5.79 km, 5.65 km and 6.04 km, respectively, from the

project site. The elevation of the lease area ranges from 135 m to 138 m AMSL, with an elevation difference of about 3 m. Drainage within the quarry area is proposed to manage naturally, wherein rainwater directly falling into the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations will be channelized through natural drainage courses towards the Perumba River, without routine external discharge. As per the application, the project cost was reported as ₹14,05,320; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹15,35,320, which includes an EMP provision of ₹2,50,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹30,000, proposed for community welfare activities during the mining period. The depth of water table is at 8m BGL (120m AMSL). The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for three (3) years, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.11 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. P. P. Ismail., for an area of 0.2038 Ha at Block No:24, Re-Survey No. 59/2 of Alappadamba Village, Payyannur Taluk, Kannur (SIA/KL/MIN/552738/2025)**

As invited, the Project Proponent, Sri. PP Ismail, and the RQP, Sri. V. K. Roy, were present. The RQP presented the salient features of the project. The quarry is planned for a mine life of two (2) years, with a total mineable laterite quantity of 22,418 MT, yielding a recoverable quantity of 15,692.6 MT (70%), produced at 7,846.3 MT per year. The site lies at an elevation ranging from 131 m to 132 m AMSL, with a gentle north-to-south slope, and the groundwater table occurs at about 8 m below ground level. Drainage in the area follows the natural slope, wherein rainwater directly falling within the quarry pits is allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations is channelised towards the Perumba River through existing natural drainage courses, without routine external discharge. A Non-Cluster Certificate dated 16.07.2025 confirms that no authorised quarries exist within a 500 m radius, and no built-up structures are located within 50 m of the lease boundary. As per the National Landslide Susceptibility Map, the project site does not fall within any landslide hazard zone, with the nearest low, moderate and high hazard zones located at approximately 8.77 km, 8.85 km and 8.78 km respectively from the quarry area. The revised project cost is ₹4,46,000, which includes an Environment Management Plan (EMP) provision of ₹2,80,000 covering air, water and noise pollution control, green belt development, occupational health, reclamation and rehabilitation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹20,000, proposed for community welfare activities during the mining period. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the**

Committee decided to recommend Environmental Clearance for two (2) years, subject to the following specific conditions in addition to the general conditions.

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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)

<u>Item No.12</u> **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Ranjith. K., for an area of 0.1011 Ha at Block No:211, Re-Survey No. 181/3 of Puthoor Village, Thalaserry Taluk, Kannur (SIA/KL/MIN/552746/2025)**

As invited, the Project Proponent, Sri. Ranjith, and the RQP, Sri. V. K. Roy, were present. The RQP presented the salient features of the project. During the presentation, the Committee noted that the previous owner had attempted quarrying in the subject area, which came to the notice of the

Department of Mining and Geology. It was observed that a portion of the topsoil and overburden had already been removed, following which the illicit mining activity was stopped by the department. The drone video of the proposed site also revealed the same. The offence was subsequently compounded by the concerned party upon payment of a penalty amounting to ₹64,000. During discussion with the RQP, it was admitted that the approved mining plan requires revision in view of the quantity of material already excavated from the lease area. **In view of the above, the Committee decided to direct the Project Proponent to submit a revised mining plan, duly accounting for the quantity of mineral resources already excavated from the lease area.**

Item No.13 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Siyad Valappinakath for an area of 0.2914 Ha at Block No: 91, Re-Survey No. 46/666 in Kaliyad Village, Iritty Taluk, Kannur (SIA/KL/MIN/552767/2025)**

As invited, the Project Proponent, Sri. Siyad, and the RQP, Sri. V. K. Roy, were present. The RQP presented the salient features of the project. The project is proposed for a mine life of one (1) year, with a total mineable laterite quantity of 26,226 MT (100%), out of which the recoverable quantity at 70% is 18,358 MT. There are no built-up structures within 50 m of the quarry boundary. As per the National Landslide Susceptibility Map, the project area falls within a low hazard zone, with the moderate hazard zone located at about 0.18 km and the high hazard zone at about 0.14 km from the lease area. The elevation of the site ranges from 204 m to 213 m AMSL, with an elevation difference of about 9 m. Mining is confined to laterite extraction only, with an average mineable thickness of about 4.5 m and a proposed depth of mining of about 5.0 m, ensuring that excavation does not intersect the groundwater table occurring at about 9 m below ground level. The Committee examined the drone video of the site. Drainage within the quarry area will be managed naturally, wherein rainwater directly falling into the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from the higher elevations will be channelized through natural drainage courses towards the Valapattanam River. As per the application, the project cost was reported as ₹7,92,800; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹8,02,800, which includes an EMP provision of ₹1,55,000 covering air, water and noise pollution control, green belt development, occupational health and

reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹25,000, proposed for community welfare activities during the mining period. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for one (1) year, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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)

<u>Item No.14</u> Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Shinu Vargeese., for an area of 0.1822 Ha at Block No:24, Re-Survey

No.12/1 of Alappadamba Village, Payyannur Taluk, Kannur (SIA/KL/MIN/552768/2025)

As invited, the Project Proponent, Sri. Shinu Varghese, and the RQP, Sri. V. K. Roy, were present. The RQP presented the salient features of the project. The quarry is planned for a mine life of one (1) year, with an excavated quantity of 16,398 MT, yielding a recoverable quantity of 11,478.6 MT (70%). The project area lies between 132 m and 133 m AMSL, with a marginal elevation difference of about 1 m and a gentle slope facilitating natural drainage. Rainwater directly falling within the quarry pits will be allowed to settle and percolate for groundwater recharge, while runoff from the higher elevations will be channelised along natural drainage courses towards the Thejaswini River. A Non-Cluster Certificate dated 29.04.2025 confirms that no authorised quarries are present within a 500 m radius, and the nearest built-up structure is an old poultry shed located at a distance of about 38.6 m, with no residential buildings within 50 m of the lease boundary. As per the National Landslide Susceptibility Map (GSI–Bhukosh), the project site does not fall within any landslide hazard zone, with the nearest high hazard zone at about 8.32 km, moderate hazard zone at about 8.33 km and low hazard zone at about 8.38 km from the quarry area. As per the application, the project cost was reported as ₹4,33,099; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP) provisions. Accordingly, the revised project cost is ₹4,73,099, which includes an Environment Management Plan (EMP) provision of ₹1,70,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹15,000, proposed for community welfare activities during the mining period. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for one (1) year, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.15 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. K V Krishnan., for an area of 0.2313 Ha at Block No:91, Re-Survey No.46/1302 of Kalliad Village, Iritty Taluk, Kannur (SIA/KL/MIN/552781/2025)**

As invited the Project Proponent, Sri. KV Krishnan and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The project is proposed for a mine life of one (1) year, with a total mineable laterite quantity of 25,443 MT (100%), out of which the recoverable quantity at 70% is 17,810 MT. A Non-Cluster Certificate dated 11.04.2025confirms that there are no authorised quarries within a 500 m radius of the lease area. There are no permanent built-up structures within 50 m of the quarry boundary, and a temporary shed is located at about 18.1 m from BP-2. As per the National Landslide Susceptibility Map, the project area does not fall within any landslide hazard zone, with the moderate, low and high hazard zones located at approximately 0.09 km, 0.51 km and 1.36 km, respectively, from the project site. The elevation of the lease area ranges from 201 m to 203 m AMSL, with an elevation difference of about 2 m. As per the application, the project cost

was reported as ₹5,77,974; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹6,07,974, which includes an EMP provision of ₹1,50,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures. CER cost proposed is 20,000/-. The Committee noted that another proposal by the same proponent (SIA/KL/MIN/552911/2025) for the same area is currently under consideration. The Committee suggested that the proposed CER activity be revised by combining the individual CER costs. **Hence the Committee decided to direct the Project Proponent to submit a revised CER proposal as mentioned above.**

Item No.16 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Sarith V., for an area of 0.4452 Ha at Block No:91, Re-Survey No. 46/761 of Kalliyad Village, Iritty Taluk, Kannur (SIA/KL/MIN/552792/2025)**

As invited the Project Proponent, Sri. Sarith V and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The project is proposed with a mine life of two (2) years, involving a total mineable laterite quantity of 36,828 MT (100%), out of which the recoverable quantity at 70% is 25,779.6 MT, comprising 17,841.6 MT during the first year and 7,938 MT during the second year. The nearest built-up structure is a temporary shed for workers located at a distance of about 17.02 m from the quarry boundary. As per the application, the project cost was reported as ₹6,80,000; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹8,05,000, which includes an EMP provision of ₹2,70,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹30,000, proposed for community welfare activities during the mining period. The committee scrutinized the drone video of the proposed site. As per the National Landslide Susceptibility Map, about 111 sq. m (approximately 2.49%) of the project area falls within a moderate hazard zone, while the nearest high hazard zone is located at about 0.86 km from the project site. The elevation of the lease area ranges from 201 m to 203 m AMSL, with an elevation difference of about 2 m. Drainage within the quarry area will be managed naturally, wherein rainwater directly falling into the quarry pits will

be allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations will be channelised through natural drainage courses towards the Valapattanam River, without routine external discharge. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for 2(two) years, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.17 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. M P Manoharan, for an area of 0.3885 Ha at Block No: 004, Re-Survey No. 3/614 of Koodali Village, Thalassery Taluk, Kannur (SIA/KL/MIN/552897/2025)**

As invited the Project Proponent, Sri. MP Manoharan and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The mine is proposed for a period of two (2) years, with a total mineable quantity of 38,850 MT (100%), out of which the recoverable quantity (70%) is 27,195 MT, comprising 13,594 MT during the first year and 13,601 MT during the second year. A Non-Cluster Certificate issued by the Department of Mining and Geology confirms that no authorised quarries exist within a 500 m radius of the project site. There are no built-up structures within 50 m from the quarry boundary. As per the National Landslide Susceptibility Map, the project site does not fall within any hazard zone; the low hazard zone is located at about 10 km, the moderate hazard zone at about 10.5 km, and the high hazard zone at about 12.7 km from the project site. The elevation of the quarry area ranges from 128 m to 136 m AMSL, with an elevation difference of about 8 m. As per the application, the project cost was indicated as ₹12.10 lakh; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the EMP provisions. Accordingly, the revised project cost is ₹13,45,640, which includes an Environment Management Plan (EMP) provision of ₹2,65,000 covering air, water and noise pollution control, green belt development, occupational health and safety measures, and reclamation of the mined-out area, along with a Corporate Environment Responsibility (CER) allocation of ₹35,000 proposed for community welfare activities during the mining period. Drainage within the quarry area is managed naturally, wherein rainwater falling within the quarry pits is allowed to settle and percolate for groundwater recharge, while surface runoff is guided through natural drainage courses towards the Valapattanam River, without external discharge under normal conditions. The mining is confined to laterite extraction only, with an average mineable laterite thickness of about 5.0 m, ensuring that the groundwater table occurring at about 9 m below ground level is not intersected. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend**

Environmental Clearance for two (2) years, subject to the following specific conditions in addition to the general conditions.

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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)

<u>Item No.18</u> Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Sunil Kumar Kakkamani., for an area of 0.1942 Ha at Block No:13, Re-Survey No. 105/2 of Korome Village, Payyannur Taluk, Kannur (SIA/KL/MIN/552901/2025)

As invited the Project Proponent, Sri. Sunil Kumar and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. As per the Non-Cluster Certificate, there are no authorised quarries

within a 500 m radius of the lease area. There are no built-up structures within 50 m of the quarry boundary. As per the National Landslide Susceptibility Map, the project site does not fall within any landslide hazard zone, with the nearest moderate and high hazard zones located at about 13.79 km and 14.08 km, respectively, from the lease area. The elevation of the site ranges from 79 m to 80 m AMSL, with an elevation difference of about 1 m. The project is proposed for a mine life of one (1) year, with a total mineable laterite quantity of 19,420 MT (100%), out of which the recoverable quantity at 70% is 13,594 MT. Drainage within the quarry area will be managed naturally, wherein rainwater directly falling into the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations will be channelised through natural drainage courses, without routine external discharge. As per the application, the project cost was reported as ₹5,13,247; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹5,33,247, which includes an EMP provision of ₹1,45,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹20,000, proposed for community welfare activities during the mining period. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for one (1) year, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.19 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. K V Krishnan., for an area of 0.2758 Ha at Block No:91, Re-Survey No.46/1301 of Kalliad Village, Iritty Taluk, Kannur (SIA/KL/MIN/552911/2025)**

As invited the Project Proponent, Sri. KV Krishnan and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. As per the National Landslide Susceptibility Map, the project site does not fall within any landslide hazard zone, with the nearest moderate, low and high hazard zones located at about 0.12 km, 0.53 km and 1.34 km, respectively, from the lease area. The elevation of the site ranges from 201 m to 202 m AMSL, with an elevation difference of about 1 m. The project is proposed for a mine life of one (1) year, with a total mineable laterite quantity of 27,580 MT (100%), out of which the recoverable quantity at 70% is 19,306 MT. Mining is restricted to laterite extraction only, with an average mineable laterite thickness of about 5.0 m and a topsoil thickness of about 0.5 m, and the proposed depth of mining is limited to about 5.5 m, ensuring that the groundwater table occurring at about 8 m below ground level is not intersected. As per the Non-Cluster Certificate, there are no authorised quarries within a 500 m radius of the lease area. There are no permanent built-up structures within 50 m of the quarry boundary; however, a temporary shed is located at about 21.9 m from BP-2. Drainage within the quarry area will be managed naturally, wherein rainwater directly falling into the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from the surrounding higher elevations

will be channelised along natural drainage courses towards the Bavali River. As per the application, the project cost was reported as ₹6,86,084; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹7,36,084, which includes an EMP provision of ₹1,50,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures. CER cost proposed is 20,000/-. The Committee noted that another proposal by the same proponent (SIA/KL/MIN/552781/2025) for the same area is currently under consideration. The Committee suggested that the proposed CER activity be revised by combining the individual CER costs. **Hence the Committee decided to direct the Project Proponent to submit a revised CER proposal as mentioned above.**

Item No.20 **Environmental Clearance for the proposed building stone quarry project of Sri. P. Abu, Partner, M/s A&T Rock Products LLP for an area of 0.9467 Ha, at Re-Survey Block No. 004, Re - Survey Nos. 30/120 & 30/129, in Puthur Village, Thamarassery Taluk, Kozhikode (SIA/KL/MIN/552937/2025)**

The Committee examined the proposal and discussed it in detail. As per the Mining Plan dated 01.02.2025 the mineable reserve is reported as 2,16,615 MT for a mine life of 3 years. The topography of the area varies between 150m AMSL to 90m AMSL. As per the Cluster Certificate dated 20.02.2025, there is no quarry in operation with a 500m radius of the proposed area. The expected Project Cost is Rs. 130 Lakhs, out of which Rs. 7.5 Lakhs is earmarked for CER. It is reported in the mining plan that the proposed area is hillock and the drainage of the permit area is towards West direction. **Based on the discussion, the Committee decided to invite the Project Proponent for a presentation. The PPT shall be uploaded to the PARIVESH portal along with the following additional documents.**

1. **Latest hazard zonation details as per GSI Bhukosh**
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**

3. **Drone video of the project site and surrounding areas within 500 m radius as per the Guidelines uploaded in the SEIAA website.**

Item No.21 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Vivek P for an area of 0.2023 Ha at Block No:23, Re-Survey No. 395/102 of Alappadamba Village, Payyannur Taluk, Kannur (SIA/KL/MIN/552953/2025)**

As invited, the Project Proponent, Sri. Vivek P and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The project is proposed for a mine life of one (1) year, with a total mineable laterite quantity of 12,138 MT (100%), of which the recoverable quantity at 70% is 8,496.6 MT. As per the Non-Cluster Certificate, there are no authorised quarries within a 500 m radius of the lease area. There are no built-up structures within 50 m of the quarry boundary. As per the National Landslide Susceptibility Map, the project site does not fall within any landslide hazard zone, with the nearest low, moderate and high hazard zones located at about 12.93 km, 12.83 km and 13.01 km, respectively, from the lease area. The elevation of the site ranges from 111 m to 112 m AMSL, with an elevation difference of about 1 m. Drainage within the quarry area will be managed naturally, wherein rainwater directly falling into the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations will be channelised through natural drainage courses towards the Kuppam River, without routine external discharge. As per the application, the project cost was reported as ₹3,17,183; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹3,48,183, which includes an EMP provision of ₹1,51,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹21,000, proposed for community welfare activities during the mining period. The Committee also took note that, the Project Proponent is required to obtain consent from owners for using the private road for material transportation. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for one (1) year, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The PP shall obtain prior consent from the concerned private landowners for the use of private roads for transportation of materials
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not involve blasting.
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.22 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Abdurahiman P, for an area of 0.3641 Ha at Block no:91, Re-Survey Nos. 3/926, 3/927 of Kalliyad Village, Iritty Taluk, Kannur (SIA/KL/MIN/552957/2025)**

As invited, the Project Proponent, Sri. Muhammed Sulaiman (Authorized person) and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The project is proposed for a mine life of one (1) year, with a total mineable laterite quantity of 32,769 MT (100%), out of which the recoverable quantity at 70% is 22,938 MT, proposed to be extracted during the permit period. As

per the Cluster Certificate dated 23.05.2025, one authorised quarry exists within a 500 m radius. The nearest built-up structure is a residential house located at a distance of about 53.7 m from the quarry boundary, while a temporary workers' rest shelter is situated at about 11 m from the northern boundary. As per the National Landslide Susceptibility Map, the project site does not fall within any landslide hazard zone, with the nearest low hazard zone at about 0.12 km, the moderate hazard zone at about 0.57 km, and the high hazard zone at about 2.35 km from the lease area. The elevation of the site ranges from 201 m to 204 m AMSL, with an elevation difference of about 3 m. The ultimate pit level is at 197.5m AMSL. Drainage within the quarry area will be managed naturally, wherein rainwater directly falling into the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from the surrounding higher elevations will be channelised through natural drainage courses towards the Bavali River. As per the application, the project cost was reported as ₹12,16,800; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹12,97,300, which includes an Environment Management Plan (EMP) provision of ₹1,45,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹25,000, proposed for community welfare activities during the mining period. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for one (1) year, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.23 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. T. Lal, for an area of 0.8093 Ha at Block No:30, Re-Survey No.679 of Eramam Village, Payyannur Taluk, Kannur (SIA/KL/MIN/553040/2025)**

As invited, the Project Proponent, Sri. T. Lal and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The project is proposed for a mine life of three (3) years, with a total mineable laterite quantity of 64,744 MT (100%), out of which the recoverable quantity at 70% is 45,319 MT, comprising 15,108 MT in the first year, 15,108 MT in the second year, and 15,103 MT in the third year. A Non-Cluster Certificate confirms that no authorised quarry operations exist within a 500 m radius of the lease area. However, the google earth imagery indicates the presence of proposed quarries in the adjacent areas. The nearest built-up structure is a plywood company located at about 147 m from the quarry boundary. As per the National Landslide Susceptibility Map, the project site does not fall within any landslide hazard zone, with the nearest moderate, low and high hazard zones located at about 10.67 km, 10.70 km and 10.80 km, respectively, from the lease area. The elevation of the site ranges from 109 m to 114 m AMSL, with an elevation difference of about 5 m. Mining is confined to laterite extraction only, with an average mineable thickness of about 4.0 m and a topsoil thickness of about 0.5 m, ensuring that excavation up to approximately

4.5 m does not intersect the groundwater table occurring at about 9 m below ground level. Drainage within the quarry area will be managed naturally, wherein rainwater directly falling into the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations will be channelised along natural drainage courses towards the Perumba River. As per the application, the project cost was reported as ₹22,58,250; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹23,48,250. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for three (3) years, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.24 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Shibin. K., for an area of 0.0971 Ha at Block No:139, Re-Survey No. 325/105 of Chuzhali Village, TaliparambaTaluk, Kannur (SIA/KL/MIN/553068/2025)**

As invited, the Project Proponent, Sri. Shibin and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The project is planned for a mine life of one (1) year, with a total mineable laterite quantity of 10,681 MT (100%), out of which the recoverable quantity of laterite building stone is 7,477 MT (70%), proposed to be extracted during the permit period. A Non-Cluster Certificate confirms that no authorised quarries are present within a 500 m radius of the lease area, although the surrounding area includes other proposed quarries as per google earth imagery. No built-up structures are located within 50 m of the quarry boundary, and the nearest temporary shed and pig farm are situated at distances of about 193 m and 321 m, respectively. As per the National Landslide Susceptibility Map, the project site does not fall within any landslide hazard zone, with the nearest moderate hazard zone at about 2.20 km, the low hazard zone at about 2.22 km, and the high hazard zone at about 2.56 km from the lease area. As per the application, the project cost was reported as ₹3,83,330; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹4,03,330, which includes an Environment Management Plan (EMP) provision of ₹1,25,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹10,000, proposed for community welfare activities during the mining period. The elevation of the site ranges from 131 m to 132 m AMSL, with an elevation difference of about 1 m. Drainage within the quarry area will be managed naturally, wherein rainwater directly falling inside the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations will be channelised along natural drainage courses towards the Valapattanam River. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016,

Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for one (1) year, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.25 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Rathisan Puthen Veetil ., for an area of 0.2913 Ha at Block No: 41, Re-Survey No.26/109 of Panappuzha Village, Payyannur Taluk, Kannur (SIA/KL/MIN/553069/2025)**

The Project proponent was invited for a presentation vide email dated 20.01.2026. However, the Project proponent was absent and requested to postpone the presentation. **Hence, the Committee decided to defer the proposal for presentation in the subsequent meeting.**

Item No.26 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Vipin T T., for an area of 0.0876 Ha at Block no:137 Re-Survey Nos. 30/1771, of Chuzhali Village, Taliparamba Taluk, Kannur (SIA/KL/MIN/553102/2025)**

As invited, the Project Proponent, Sri. Vipin TT and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. As per the National Landslide Susceptibility Map, the project site does not fall within any moderate or high landslide hazard zone, with the nearest moderate hazard zone located at about 0.05 km and the high hazard zone at about 2.57 km from the lease area. The elevation of the site ranges from 193 m to 194 m AMSL, with an elevation difference of about 1 m. Mining is confined to laterite extraction only, with an average mineable thickness of about 4.0 m and a topsoil thickness of about 0.5 m, ensuring that excavation up to approximately 4.5 m does not intersect the groundwater table occurring at around 8 m below ground level. The project is planned for a mine life of two (2) years, with a total mineable laterite quantity of 7,008 MT (100%), out of which the recoverable quantity of laterite building stone is 4,905.6 MT (70%), comprising 2,452.8 MT in the first year and 2,452.8 MT in the second year. A Non-Cluster Certificate confirms that no authorised quarries exist within a 500 m radius of the lease area. There are no built-up structures within 50 m of the quarry boundary. Drainage within the quarry area will be managed naturally, wherein rainwater directly falling into the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations will be channelised along natural drainage courses towards the Karimbam River. As per the application, the project cost was reported as ₹2,50,050; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹3,65,050, which includes an Environment Management Plan (EMP)

provision of ₹2,05,050 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹10,050, proposed for community welfare activities during the mining period. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for two (2) years, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.27 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. A. Balagopalan., for an area of 0.2914Ha at Block No:90, Re-Survey No.11/267 of Kalliyad Village, Iritty Taluk, Kannur (SIA/KL/MIN/553196/2025)**

As invited, the Project Proponent, Sri. A Balagopalan and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The project is planned for a mine life of two (2) years, with a total mineable quantity of 32,054 MT (100%), out of which the recoverable quantity of laterite building stone is 22,437.8 MT (70%), comprising 11,218.9 MT during each year. A Non-Cluster Certificate confirms that no authorised quarries exist within a 500 m radius of the lease area; however, the google earth imagery indicates the presence of other proposed quarry leases within the 500 m radius, including those of the same and other proponents. There are no built-up structures within 50 m of the quarry boundary. As per the National Landslide Susceptibility Map, the project site does not fall within any landslide hazard zone, with the nearest low hazard zone at about 117 m, the moderate hazard zone at about 423 m, and the high hazard zone at about 1.62 km from the lease area. The elevation of the quarry area ranges from 191 m to 193 m AMSL, with an elevation difference of about 2 m. Mining is confined to laterite extraction only, with an average mineable thickness of about 5.5 m and a topsoil thickness of about 0.5 m, ensuring that excavation up to 6.0 m does not intersect the groundwater table occurring at about 8 m below ground level. Drainage within the quarry area, will be managed naturally, wherein rainwater directly falling inside the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations will be channelised along natural drainage courses towards the Valapattanam River, without uncontrolled discharge under normal conditions. As per the application, the project cost was reported as ₹6,24,000; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹9,29,000, which includes an Environment Management Plan (EMP) provision of ₹4,13,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹23,000, proposed for community welfare activities during the mining period. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided**

to recommend Environmental Clearance for two (2) years, subject to the following specific conditions in addition to the general conditions.

1. Mining shall not intersect the groundwater table.
2. The PP shall obtain prior consent from the concerned private landowners for the use of private roads for transportation of materials
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not involve blasting.
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)

<u>Item No.28</u> Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Anoop T.P., for an area of 0.4047 Ha at Block No: 90, Re-Survey Nos. 11/103 of Kalliyad Village, Iritty Taluk, Kannur (SIA/KL/MIN/553213/2025)

As invited, the Project Proponent, Sri. Anoop TP and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The project is planned for a mine life of two (2) years, with a total

mineable quantity of 44,517 MT (100%), out of which the recoverable quantity of laterite building stone is 31,161.9 MT (70%), comprising 15,577.1 MT in the first year and 15,584.8 MT in the second year. A Non-Cluster Certificate confirms that there are no authorised quarries within a 500 m radius of the lease area. No permanent built-up structures are located within 50 m of the quarry boundary, and the nearest poultry shed is situated at a distance of about 65.2 m. As per the National Landslide Susceptibility Map, the project site does not fall within any landslide hazard zone. The nearest low hazard zone is located at about 737 m, the moderate hazard zone at about 852 m, and the high hazard zone at about 1.27 km from the project site. The elevation of the quarry area ranges from 207 m to 209 m AMSL, with an elevation difference of about 2 m. Mining is confined to laterite extraction only, with an average mineable thickness of about 5.5 m, and the groundwater table occurs at approximately 8 m below ground level, ensuring that mining operations will not intersect groundwater. As per the application, the project cost was reported as ₹8,48,000; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision and strengthening of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹11,93,000, which includes an EMP provision of ₹4,87,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹22,000, proposed for community welfare activities during the mining period. The committee noted that the Project Proponent is required to obtain prior consent from the concerned private landowners for the use of private roads for transportation of materials. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for 2 (two) years, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The PP shall obtain prior consent from the concerned private landowners for the use of private roads for transportation of materials
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not involve blasting.
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.29 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. K. P. Karunakaran., for an area of 0.2428 Ha at Block no: 40 Re-Survey Nos. 18/275, of Kadannappally Village, Payyannur Taluk, Kannur (SIA/KL/MIN/553238/2025)**

As invited, the Project Proponent, Sri. KP Karunakaran and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The project is proposed for a mine life of two (2) years, with a total mineable laterite quantity of 16,996 MT (100%), of which the recoverable quantity at 70% is 11,897.2 MT, comprising 5,948.6 MT per year. A Non-Cluster Certificate dated 17.07.2025 issued by the Department of Mining & Geology confirms that there are no authorised quarry operations within a 500 m radius of the project site. There are no permanent built-up structures within 50 m of the quarry boundary, with the nearest temporary workers' shed located at about 50.5 m. As per the National Landslide Susceptibility Map, the nearest high hazard zone is located at about 3.91 km, while the moderate hazard zone lies at approximately 3.75 km, and the project area itself does not fall within any high-hazard zone. The elevation of the lease area ranges from 154 m to 156 m

AMSL, with an elevation difference of about 2 m. Drainage within the quarry area follows the natural topography, with rainwater allowed to settle within the quarry pits for groundwater recharge, while excess surface runoff is channelized through garland drains and silt traps towards natural drainage courses ultimately leading to the Kuppam River. As per the application, the project cost was ₹6,12,000. During the SEAC presentation, the project proponent informed that the project cost has been enhanced due to revision of the EMP provisions. Accordingly, the revised project cost is ₹8,65,400, which includes an Environment Management Plan (EMP) provision of ₹3,68,400 covering air, water and noise pollution control measures, green belt development, occupational health and safety, and reclamation of the mined-out area, along with a Corporate Environment Responsibility (CER) allocation of ₹18,400, proposed for community welfare activities during the mining period. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for two (2) years, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.30 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Jithu C. J., for an area of 0.1942 Ha at Block No. 24, Re-Survey No. 271/102,271/103 of Alappadamba Village, Payyannur Taluk, Kannur (SIA/KL/MIN/553243/2025)**

As invited, the Project Proponent, Sri. Musthafa,(authorized person) and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The quarry is proposed for a mine life of one (1) year, with a total mineable quantity of 15,536 MT (100%), out of which the recoverable quantity of laterite building stone is 10,875 MT (70%). A Non-Cluster Certificate confirms that no authorised quarries exist within a 500 m radius of the project site, and no built-up structures are located within 50 m of the quarry boundary. As per the National Landslide Susceptibility Map, the lease area does not fall under any landslide hazard zone, with the high, moderate and low hazard zones located at about 13.33 km, 12.98 km and 12.95 km respectively from the project site. As per the application, the project cost was reported as ₹4,74,161; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹5,24,161, which includes an Environment Management Plan (EMP) provision of ₹1,90,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹20,000, proposed for community welfare activities during the mining period. The elevation of the quarry area ranges from 112 m to 114 m AMSL, with an elevation difference of about 2 m. Drainage within the quarry area will be managed naturally, wherein rainwater directly falling inside the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations will be channelised along natural drainage courses towards the Perumba River. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based**

on discussions, the Committee decided to recommend Environmental Clearance for one (1) year, subject to the following specific conditions in addition to the general conditions.

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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)

<u>Item No.31</u> **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. A. Pradeepan, for an area of 0.4047 Ha. at Block no:90, Re-Survey Nos. 11/124,11/162 of Kalliyad Village, Iritty Taluk, Kannur (SIA/KL/MIN/553310/2025)**

As invited, the Project Proponent, Sri. Pradeepan A, and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The project is planned for a mine life of two (2) years, with a total mineable quantity of 44,517 MT, of which the recoverable quantity of laterite building stone (70%) is 31,161.9 MT, comprising 15,577.1 MT in the first year and 15,584.8 MT in the second year. A

Non-Cluster Certificate confirms that there are no authorised quarries within a 500 m radius of the lease area. No built-up structures are located within 50 m of the quarry boundary. As per the national landslide susceptibility map, the medium hazard zone is located at about 370 m, the low hazard zone at about 490 m, and the high hazard zone at about 1.79 km from the project site, with no high-hazard zone falling within the lease area. The elevation of the site ranges from 188 m to 189 m AMSL, with a relief difference of about 1 m. As per the application, the project cost was reported as ₹8,53,500; however, during the presentation, the Project Proponent informed that the cost has been enhanced due to revision of the Environment Management Plan. Accordingly, the revised project cost is ₹11,93,500, which includes an Environment Management Plan (EMP) provision of ₹4,87,500 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹22,500 proposed for community welfare activities during the mining period. Drainage within the quarry area will be managed naturally, wherein rainwater directly falling into the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations will be channelised through natural drainage courses towards the Valapattanam River. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for two (2) years, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.32 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. A Pradeepan, for an area of 0.4047 Ha at Block No:90, Re-Survey No. 11/162 of Kalliyad Village, Iritty Taluk, Kannur (SIA/KL/MIN/553339/2025)**

As invited, the Project Proponent, Sri. Pradeepan A, and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The project is planned for a mine life of two (2) years, with a total mineable quantity of 44,517 MT (100%), out of which the recoverable quantity is 31,161.9 MT (70%), comprising 15,577.1 MT in the first year and 15,584.8 MT in the second year. A Non-Cluster Certificate has been issued; however, the google earth imagery indicates the presence of other proposed quarry leases within a 500 m radius, including quarries of the same proponent. There are no built-up structures within 50 m of the quarry boundary. As per the hazard zonation map, the lease area falls under a low hazard zone, with the moderate hazard zone located at about 0.26 km and the high hazard zone at about 1.81 km from the project site. The elevation of the quarry area ranges from 187 m to 189 m AMSL, with an elevation difference of about 2 m. Drainage within the quarry area will be managed naturally, wherein rainwater directly falling inside the quarry pits will be allowed to settle and percolate for groundwater recharge, while runoff from higher elevations will be channelised along natural drainage courses towards the Valapattanam RiverAs per the application, the project cost was reported as ₹8,48,000; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision and

strengthening of the Environment Management Plan (EMP). Accordingly, the revised project cost is ₹11,93,500, which includes an Environment Management Plan (EMP) provision of ₹4,87,500 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹22,000, proposed for community welfare activities during the mining period. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for two (2), subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.33 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Jacob K J, for an area of 0.1942 Ha at Block no: 065, Re-Survey Nos. 13/163 of Kolayad Village, Thalassery Taluk, Kannur (SIA/KL/MIN/553376/2025)**

As invited, the Project Proponent, Sri. Jacob KJ, and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The project is planned for a mine life of one (1) year, with a total excavated quantity of 19,420 MT**,** out of which the recoverable quantity of laterite building stone is 13,594 MT (70%). The elevation of the area ranges between 138 m and 139 m AMSL, with a difference of about 1 m**.** As per the application, the project cost was reported as ₹4,35,612**;** however, during the presentation, the Project Proponent informed that the cost has been enhanced due to revision of the Environment Management Plan. Accordingly, the revised project cost is ₹5,92,600, which includes an Environment Management Plan (EMP) provision of ₹2,50,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹15,000 proposed for community welfare activities during the mining period. Drainage within the quarry area will be managed naturally, wherein rainwater will be allowed to settle within the quarry pits to aid groundwater recharge, while surface runoff will be channelised through natural drainage courses towards the Kaanaam River. The depth of mining is confined to laterite extraction up to about 5 m, ensuring that the groundwater table occurring at around 8 m below ground level is not intersected. A Non-Cluster Certificate dated 12.03.2025 certifies that no authorised quarry exists within a 500 m radius of the lease area. No built-up structures are located within 50 m of the quarry boundary. As per the hazard zonation map, the lease area falls under a low hazard zone, with the moderate hazard zone located at about 0.29 km and the high hazard zone at about 1.45 km from the project site. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for one (1) year, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.

2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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)

<u>Item No. 34</u> Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Kuthirummal Rajeevan, for an area of 0.4047 Ha at Block no:30, Re-Survey Nos. 248/102 of Eramam Village,Payyannur Taluk, Kannur (SIA/KL/MIN/553851/2025)

As invited, the Project Proponent, Sri. Kuthirummal Rajeevan, and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The quarry is planned for a mine life of two (2) years, with a total mineable quantity of 32,376 MT (100%), yielding a recoverable quantity of 22,663.2 MT (70%), comprising 11,334.4 MT during the first year and 11,328.8 MT during the second year. The project area lies between 78 m and 80 m AMSL, with an elevation difference of about 2 m, and exhibits a gentle slope facilitating natural drainage. Rainwater directly falling within the quarry pits

will be allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations will be channelised through natural drainage courses towards the Thejaswini River, without routine external discharge. A Cluster Certificate confirms that one existing authorised quarry of the same proponent is located within a 500 m radius, and there are no built-up structures within 50 m of the lease boundary. As per the National Landslide Susceptibility Map (GSI–Bhukosh), the project site does not fall within any landslide hazard zone, with the nearest high, moderate and low hazard zones located at about 12.45 km, 12.22 km and 12.21 km respectively from the lease area. As per the application, the project cost was reported as ₹9,76,306; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision and strengthening of the Environment Management Plan (EMP) provisions. Accordingly, the revised project cost is ₹10,96,306, which includes an Environment Management Plan (EMP) provision of ₹2,50,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹30,000, proposed for community welfare activities during the mining period. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for two (2) years, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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. 35 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Abbas Puthuprakkat., for an area of 0.1466 Ha at Block No:30, Re-Survey No.337/101,337/103 of Eramam Village, Payyannur Taluk, Kannu (SIA/KL/MIN/553940/2025)**

As invited, the Project Proponent, Sri. Abbas Puthuprakkat, and the RQP, Sri. V. K. Roy, were present. The RQP made the presentation. The quarry is planned for a mine life of one (1) year, involving excavation of 13,194 MT of laterite (100%), yielding a recoverable quantity of 9,235.8 MT (70%). Mining is confined to laterite extraction with an average mineable thickness of about 4.5 m, while the groundwater table occurs at approximately 9 m below ground level. The project area lies between 56.5 m and 58.0 m AMSL, with an elevation difference of about 1.5 m, and exhibits a gentle south-west to north-east slope facilitating natural drainage. Rainwater directly falling within the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations will be channelised through natural drainage courses towards the Perumba River, without routine external discharge. A Non-Cluster Certificate dated 20.08.2025 confirms that no authorised quarries exist within a 500 m radius, and there are no built-up structures within 50 m of the lease boundary. As per the National Landslide Susceptibility Map (GSI–Bhukosh), the project site does not fall within any landslide hazard zone, with the nearest low, moderate and high hazard zones located at about 14.14 km, 14.69 km and 14.28 km respectively from the lease area. As per the application, the project cost was reported as ₹5,92,024; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP) provisions. Accordingly, the revised

project cost is ₹6,12,024, which includes an Environment Management Plan (EMP) provision of ₹1,60,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹20,000, proposed for community welfare activities during the mining period. **The depth to water table provided is 9m BGL at 60m AMSL and is inconsistent with the elevation of the project area. Hence, the Committee decided that, the clarification regarding the depth to water table from the nearest dug well with location details shall be obtained from the Project Proponent.**

Item No.36 **Environmental Clearance for the Granite Building Stone Quarry project of Sri. Kunhikannan for an area of 0.7083 Ha at Re - Sy. No. 275/1A in Tripangottur Village, Thalassery Taluk, Kannur (SIA/KL/MIN/554662/2025)**

The Committee examined the proposal and discussed it in detail. As per the application, the expected Project Cost is Rs. 70 Lakhs. The elevation of the area varies from 200m AMSL to 125m AMSL. As per mining plan, the estimated mineable reserve is 115114.1MT for a mine life of 3 years. There is no quarry in operation with a 500m radius of the proposed area as per Cluster Certificate dated 29.08.2025. The Committee on Detailed Deliberation observed that more than 70% of the proposed mining area(around 0.53ha) falls within the high hazard zone as per the latest GSI Landslide Hazard Zonation Map, while the remaining area lies in the medium hazard zone. The area outside the high hazard zone is less than 0.2 ha. **Based on the discussion, the Committee decided to invite the Project Proponent for a presentation. The PPT shall be uploaded to the PARIVESH portal along with the following additional documents.**

1. **Latest hazard zonation details as per GSI Bhukosh**
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**
3. **Drone video of the project site and surrounding areas within 500 m radius as per the Guidelines uploaded in the SEIAA website.**

Item No.37 **Environmental Clearance for the Granite Building Stone Quarry project of Sri. Sabin Raj. K, for an area 1.8427 Ha at Re - Sy. Nos. 264/101, 264/106, 264/136, 114/146, 115/184, 115/185, 114/148, 264/137,264/139, 114/149, 115/186, 264/138, 114/147, 114/150, 115/187, 115/188, 115/189 in Thriprangottur Village, Thalassery Taluk, Kannur (SIA/KL/MIN/554663/2025)**

The Committee examined the proposal and discussed it in detail. As per the application, the expected Project Cost is Rs. 1.84 Crores. The elevation of the area varies from 175m AMSL to 130m AMSL and the average slope of the area is 28^0. As per mining plan dated 10.02.2025, the estimated mineable reserve is 2,87,270 MT for a mine life of 7 years. As per Cluster Certificate 06.10.2025, two abandoned quarries are present within 500m radius of the proposed area. Also, another proposal of Mr. Sreeshan (SIA/KL/MIN/556061/2025), which is under consideration of SEAC, is located at a distance of about 300 m from the present proposal. The Committee noted that major portions of the project area lies in the High Hazard zone and medium hazard zones as per GSI Hazard Zonation Map. **Based on the discussion, the Committee decided to invite the Project Proponent for a presentation. The PPT shall be uploaded to the PARIVESH portal along with the following additional documents.**

1. **CER details**
2. **Details of abandoned quarries, including mine closure status.**
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 4655of 2024 dated 19-04- 2024**

Item No.38 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Aneesh Mathew, for an area of 0.1857 Ha. at Block No. 53, Re-Survey No. 37/1386 of Vellarvalli Village, Iritty Taluk, Kannur (SIA/KL/MIN/556039/2025)**

As invited, the Project Proponent, Sri. Aneesh Mathew, and the RQP, Sri. V. K. Roy, were present. The RQP presented the salient features of the project. The quarry is planned for a mine life of two

(2) years, with a total excavated quantity of 14,855 MT, yielding a recoverable quantity of 10,398.5 MT (70%), comprising 5,846.4 MT during the first year and 4,552.1 MT during the second year. Mining activities are restricted to laterite extraction only, with an average mineable thickness of about 4.5 m in the first year and 3.5 m in the second year, while the groundwater table occurs at approximately 9 m below ground level, ensuring that mining does not intersect groundwater. The elevation of the project area varies from 160 m to 164 m AMSL, with an elevation difference of about 4 m, and the natural slope facilitates gravity-based drainage. Rainwater directly falling within the quarry pits will be allowed to settle and percolate for groundwater recharge, while surface runoff from higher elevations will be guided through natural drainage courses towards the Kanjirapuzha River. A Non-Cluster Certificate dated 03.10.2025 confirms that no authorised quarries exist within a 500 m radius, and there are no built-up structures within 50 m of the lease boundary. As per the National Landslide Susceptibility Map, the project area fall within low hazard zone and a very small portion covers the moderate hazard zone with the high hazard zone located at a distance of about 0.83 km from the site. As per the application, the project cost was reported as ₹4,40,124; however, during the presentation, the Project Proponent informed that the project cost has been enhanced due to revision of the Environment Management Plan (EMP) provisions. Accordingly, the revised project cost is ₹5,25,124, which includes an Environment Management Plan (EMP) provision of ₹2,15,000 covering air, water and noise pollution control, green belt development, occupational health and reclamation measures, along with a Corporate Environment Responsibility (CER) allocation of ₹15,000, proposed for community welfare activities during the mining period. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Drone video of the site and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for 2 (two) years, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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.39 **ToR application for the Granite Building Stone Quarry Project of Sri. Abdul Majeed V., M/s Iritty Constructions, for an area 4.5449 Ha at Re- Survey Block No:71, Re-Survey Nos: 1/396, 1/431, 1/432, 1/435 in Nediyenga Village, Taliparamba Taluk, Kannur (SIA/KL/MIN/562955/2026)**

The Committee examined the proposal and discussed it in detail. As per the Mining Plan, the total mineable reserve is 22,21,557.50 Tonnes for a period of 12 years. The highest elevation in this area is 300.0m above MSL and the lowest elevation is 220.0m above MSL. As per the Cluster Certificate dated 06.01.2025, the presence of 4 quarries within a 500m radius with cumulative area above 5ha indicates Cluster situation. Based on discussions, **the Committee decided to recommend Standard ToR under category 1 (a) Mining of Minerals. The PP shall submit a Comprehensive EMP, prepared by a NABET-accredited consultant, considering all adjacent quarries as part of the EIA report.**

Item No.40 **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- Interim Order dated 27.01.2026 in WP(C) 3036/2026 filed by Sri. Philip Tom (SIA/KL/MIN/467823/2024)**

The Committee perused the matter and noted the decision taken in the 159th meeting of SEIAA, as well as the Interim Order dated 27.01.2026 passed by the Hon'ble High Court of Kerala in WP(C) No. 3036 of 2026 filed by Sri. Philip Tom. The writ petition, inter alia, seeks a direction to the 3rd respondent (SEAC-3) not to proceed with, reconsider, or pass any orders pursuant to the remand/return effected by the 2nd respondent (SEIAA) under Exhibit P8 (Minutes of the 159th SEIAA meeting), and to keep the recommendation already issued in favor of the petitioner in abeyance, without modification or recall, in the interest of justice. Vide the said interim order, the Hon'ble Court has directed that no precipitate decision shall be taken against the petitioner in his application for Environmental Clearance. **In view of the above judicial direction, the Committee decided to defer consideration of the proposal.**

Item No. 41 **Reappraisal of EC issued by DEIAA for the Granite Building Stone Quarry of Sri. Shafir. P, for an area of 1.1030 hectares at Sy No. 46/4 of Kalliad Village, Iritty Taluk, Kannur (SIA/KL/MIN/513794/2025)**

The Committee noted that the proposal was appraised in the 180th SEAC meeting, which recommended conditional EC for 6 years, subject to submission of a NOC from the Irrigation Department. However, in the 156th SEIAA meeting, it was noted that the EMP prepared by a NABET-accredited agency was not submitted. The Project Proponent was directed to submit the EMP and required documents as per OM dated 28.04.2023. After submission, the 159th SEIAA meeting referred the proposal back to SEAC for fresh recommendations. On examination, the Committee noted that the project was granted EC by DEIAA on 19.07.2018 for five years. As per the approved mining plan dated 17.04.2018, the mine life is 6 years with a mineable reserve of 2,63,305MT and a balance reserve of 1,70,555 MT. The quarrying lease was executed for six years from 25.07.2022. The proposed mining depth is up to 115 m AMSL, with groundwater occurring at 3–4 m below ground level. The project area falls in the medium hazard zone. **Based on the discussion, the Committee decided to invite the Project Proponent for a presentation. The**

PPT shall be uploaded to the PARIVESH portal along with the following additional documents.

1. **Certified Compliance Report (CCR) from IRO, Bengaluru**
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**
3. **Drone video of the project site and surrounding areas within 500 m radius as per the Guidelines uploaded in the SEIAA website.**

<u>Item No.42</u> **Environmental Clearance for the Residential Building Construction Project jointly developed by Sri Amrish S, Mrs. Nisha Vasudevan, Ms. Chithra Vasudevan project for a plot area of 0.4962 hectare and with built-up area of 28,350 sq.m at Re-Sy. Nos. 88/191, 88/212, Elayavur Village, Kannur Municipal Corporation, Kannur (SIA/KL/INFRA2/557871/2025)**

As invited the Project Proponents and the Consultant were present and the consultant Sri.P.Z Thomas presented the salient features of the proposal. The proposed residential building construction project is planned on a plot area of 0.4962 ha with a total built-up area of 28,350 sq.m, developed with a FAR of 3.97 (19,710 sq .m) and comprising Basement + Ground + 26 floors with a maximum building height of 84.05 m. The total project cost is ₹57.69 Crores. During construction, about 17,350 cu.m of soil will be excavated, of which 332 cu.m of topsoil will be preserved for landscaping, 2,179 cu.m reused for backfilling, 5,839 cu.m utilized for laterite blocks, and the balance 9000 cu.m will be transported and disposed at approved locations. An Environmental Management Plan is proposed covering dust suppression, noise control, waste management, drainage, and occupational health & safety, with a total EMP capital cost of ₹164.3 Lakhs (₹43.5 Lakhs during construction and ₹120.8 Lakhs during operation) and a recurring EMP cost of ₹27.8 Lakhs per annum. The total water requirement during operation is 125 KLD, comprising 83 KLD fresh water sourced from KWA supply, rainwater storage (75 KL tank), and two open wells, and 42 KLD recycled water reused for flushing and landscaping. Domestic sewage generation of 95 KLD will be treated in an on-site 100 KLD STP (Sequencing batch reactor technology with tertiary treatment), and treated water will be reused. Storm water management includes peripheral drains

(45 cm wide), recharge pits (21 nos.), recharge wells (2 nos.), and connection to public drains, ensuring no increase in surface runoff. Traffic management is planned with two 5.2 m wide entry/exit points with bell-mouth design, adequate internal road widths, smooth traffic circulation, and congestion-free movement. Parking provision includes 198 car parking spaces and 691 sq.m of two-wheeler parking, which is adequate as per KMBR norms. Solid waste generation during operation is about 400 kg/day, managed through on-site segregation, 200 kg/day OWC, and authorized disposal of non-biodegradable waste. Green belt development and landscaping using native species are proposed to mitigate biodiversity impacts. The PP is intended to plant about 145 trees (136 new + 9 retained) around the periphery of the project site as part of green belt development. Energy conservation measures include solar power integration (40 kWp), LED lighting, energy-efficient equipment, and optimized building design to reduce overall energy demand. During the SEIAA presentation, a drone video of the project site was also presented to demonstrate the existing site conditions and surrounding land use. **After detailed discussion, the Committee decided the following;**

1. **As per the application, the Corporate Environment Responsibility (CER) commitment was indicated as ₹115 Lakhs, whereas during the presentation the CER proposed was ₹52 Lakhs. In view of this discrepancy, the Project Proponent shall submit a ratification letter, as an additional document, confirming the finalized CER commitment along with the proposed CER activities and consent from the respective authorities.**

<u>Item No. 43</u> **Re-appraisal application for the Environmental Clearance of Granite Building Stone Quarry project of Sri. Haris Charattiadan, M/s Malabar Sand & Stones Pvt. Ltd, for an area of 4.9005 Ha. at Re-Survey No. 1pt, in Udayagiri Village, Taliparamba Taluk, Kannur –WA No. 2403/2018, against judgment dated 16.1.2018 in WP(C) 4022/2017 filed by M/s. Malabar Sand and Stones Pvt. Ltd before the Hon'ble High Court of Kerala**
(SIA/KL/MIN/521270/2025)

The Committee deliberated the proposal in detail, considering the unique and case-specific circumstances under which the re-appraisal has arisen, including prolonged litigation, the directions of the Hon'ble High Court in WA No. 2403/2018, and the involvement of multiple statutory authorities over an extended period. The Committee noted that the proposal does not constitute a routine re-appraisal and therefore warrants evaluation primarily on the basis of site-specific

scientific studies and expert statutory reports, particularly the report of the Kerala State Disaster Management Authority (SDMA). Accordingly, pursuant to the decision taken in the 189th SEAC meeting, the Sub-Committee conducted a field inspection on 20.01.2026 with the specific objective of verifying the findings and recommendations of the SDMA report. During the inspection, it was observed that the quarry is a very old hard-rock quarry, which had operated only for a short period (about six months) with valid Environmental Clearance and has remained non-operational for nearly seven years. The geological setting comprises hard rock terrain, and based on site conditions, the chances of landslide were assessed as low. Flood proneness and the possibility of breach of impounded water were also found to be low. The Committee noted that no residential houses are located within 200 metres of the quarry boundary. Accordingly, no immediate risks to public safety were identified. Although parts of the project area fall within medium and high hazard zones, the Committee observed that the site-specific assessment, when read in conjunction with the findings of SDMA and the vibration study conducted by NIT Karnataka, demonstrates that the quarrying activity can be managed with appropriate safeguards.

The Committee on deliberations, placed substantial reliance on the SDMA report, which recommended quarrying activity subject to strict compliance with conditions prescribed on the basis of the NIT Karnataka vibration study. The SDMA report clearly concludes that the blasting parameters, vibration levels, noise levels, and fly-rock observations recorded during trial blasts are well within DGMS-prescribed permissible limits and do not pose any threat to public safety or nearby structures. The maximum Peak Particle Velocity (PPV) values recorded were significantly lower than prescribed standards, with vibration levels reducing substantially beyond short distances. The SDMA report also confirms the absence of human settlements within a 200-metre buffer zone, thereby substantially reducing exposure and vulnerability. The Committee further noted that while SDMA had recommended removal of overburden near boundary pillars BP2, BP3, and BP4 as a precautionary risk-mitigation measure, the Sub-Committee did not observe any overburden near these boundary pillars during the field inspection. This observation reinforces the conclusion that no immediate or critical slope instability exists at the site.

With respect to stipulated EC condition compliance, the Sub-Committee observed that most of the specific and general Environmental Clearance conditions are complied with, including provisions related to rainwater harvesting, environmental monitoring, green belt development, dust

suppression, pollution control consents, controlled blasting practices (including NONEL detonators), worker safety measures, and access road improvements. Boundary fencing was found to be partially complied. Several other conditions were recorded as complied with or agreed to by the project proponent, notwithstanding the present non-operational status of the quarry.

The Committee noted that the findings of the field inspection are largely consistent with the SDMA report and do not indicate any inherent geotechnical instability or unacceptable environmental risk at the site. However, it was also observed that certain documents required as per Office Memorandum dated 28.04.2023 for re-appraisal of DEIAA-issued Environmental Clearances are yet to be submitted.

In view of the above, the Committee agreed that the SDMA report provides adequate technical justification for favorable consideration of the proposal, subject to the following:

- Strict implementation of all recommendations and prescriptions of the NIT Karnataka report as endorsed by SDMA.
- Compliance with all conditions stipulated by SDMA, including the use of NONEL blasting and periodic monitoring by the District Level Crisis Management Group.
- Submission of all pending documents as required under the OM dated 28.04.2023 issued by MoEF&CC.

The Committee is of the view that, the direction to the Project Proponent for submission of the remaining documents as per OM dated 28.04.2023 may be initiated after the outcome of WA No. 2403/2018 pending before the Hon'ble High Court. Based on discussion, the Committee decided to place these observations before SEIAA and further decided to recommend that SEIAA may submit a detailed report to the Government and before the Hon'ble Court, as deemed appropriate.

<u>Item No. 44</u> Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Mohammed Sulaiman, for an area of 0.1456 Ha at Block No. 210, Re-Survey No. 4/103 of Padiyoor Village, Iritty Taluk, Kannur (SIA/KL/MIN/552591/2025)

The Committee examined the proposal and discussed the field inspection report dated 20.01.2026. The field inspection was primarily conducted to assess the possibility of soil piping phenomena in the region. The Committee observed that there are no signs of soil piping, and that the old mined-out sites have been restored with vegetation. After deliberations, the Committee noted that further quarrying is feasible in the area. The elevation ranges from 232 m to 231 m AMSL, with a general slope from the northwest to the southeast, draining naturally towards the Valapattanam river as shown in the drainage plan. The depth to water table, based on the open well located at 524 m from BP1, is 9 m BGL at 159 m AMSL, while the proposed ultimate pit level is 224 m AMSL. As per the lithological section, the Depth of Mining is 6 m from the ground surface. The hazard zonation map indicates that the medium hazard zone is 0.07 km from the project area and the high hazard zone is 1.85 km away. The expected life of mine is 1 Year. The Committee appraised the project based on Form-1, Pre-feasibility report, Approved mining Plan, Environment Management plan, DSR-2016, Field inspection report and other documents. **Based on discussions, the Committee decided to recommend Environmental Clearance for one (1) year, subject to the following specific conditions in addition to the general conditions.**

1. Mining shall not intersect the groundwater table.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
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 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)

General Note:

- **Concerns Regarding Non-Compliance with EC Conditions and Inadequate Post-Clearance Monitoring**

The Committee observed with that a large number of quarrying projects in Kerala are not complying with the conditions stipulated in the Environmental Clearances issued to them. During the appraisal of several proposals, the Committee noted that many adjacent quarries, including those that have completed mining operations, have failed to implement approved Mine Closure Plans, leaving quarry pits open and environmentally unsafe. The Committee further observed that post-clearance monitoring and enforcement of EC conditions in the State are inadequate, largely due to acute manpower constraints, resulting in limited field-level verifications. The Committee noted that abandoned and improperly closed quarries pose significant risks to the environment and public safety, and that the environmental damage caused by violations of EC conditions is substantial. The present practice of relying primarily on self-certified compliance reports (i.e HYCRs), without adequate field inspections, was found to be insufficient. The Committee therefore suggests for strengthening of existing physical compliance monitoring mechanisms. Committee also recommends that effective institutional mechanisms for involvement of the Social Forestry Wing of Kerala Forest Department, for ecological restoration and reforestation of abandoned quarry sites may be explored to mitigate environmental and safety risks. If needed, a special meeting with Kerala Forest Department may be organized for this purpose.

❖ **Concerns Regarding Issuance of Letters of Intent in High Hazard Zone**

The Committee noted that, as per the latest GSI landslide hazard zonation maps, several areas that were previously classified as non-hazardous have now been reclassified into Low, Medium, and High Hazard Zones. As per the prevailing regulatory framework and established practice, mining activities are prohibited in High Hazard Zones.

The Committee observed with concern that certain quarries for which Letters of Intent (LoI) have already been issued are now falling within High Hazard Zones as per the updated GSI hazard zonation. The Committee is of the considered view that continuation of the practice of issuing LoIs without reference to the latest hazard zonation maps are inappropriate. In this context, the Committee requests SEIAA that the Department of Mining and Geology be advised to strictly refer to the latest GSI hazard zonation maps prior to issuance of any Letter of Intent, and that no LoIs be issued for quarrying activities in areas classified as High Hazard Zones.

The meeting concluded at 5.00 pm with a vote of thanks to the Chair

The Committee decided to convene its next meeting (SEAC Zone-3) tentatively on 16th February 2026.

Sd/-
Sri. Anil Kumar Bhardwaj IFS (Retd)
Chairman, SEAC

Sd/-
Suneel Pamidi, IFS
Member Secretary, SEAC

LIST OF PARTICIPANTS:

Sl.No.	Name	28.01.2026	29.01.2026
1.	Dr. Anil Kumar Bhardwaj IFS (Retd), (Chairman)	✓	✓
2.	Dr. Mahesh Mohan	✓	✓
3.	Sri.Anil Kumar S. S	✓	✓
4.	Dr. K. Vasudevan Pillai	✓	✓
5.	Dr. Anu Gopinath	x	x
6.	Sri. Suneel Pamidi, IFS (Secretary)	✓	✓