

PARIVESH FILES

PART – 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01 Environmental Clearance for the expansion of existing Building Construction of Residential Project (Condor Cyber Gardens) M/s Condor Builders Pvt. Ltd. at Sy. Nos. 157/20, 172/4 & others in Attipra Village, Thiruvananthapuram Taluk, Thiruvananthapuram.
(SIA/KL/INFRA2/443950/2023, 2420/EC3/2023/SEIAA)

The Committee examined the project and scrutinized the additional documents submitted by the project proponent as sought in 161st SEAC meeting and found them satisfactory except the clarification sought regarding the validity of the environmental clearance applicable for extension/expansion. The EC issued on 13.7.2011, was for constructing three residential towers of area 1,00,876.64 m² in 2.297 Ha of land. The EC period expired on 12.7.2018 with two-year automatic extension over the original EC period of 5 years. Therefore, the project does not have EC at present. As per the CCR dated 18.8.2023, the project was in operational phase on the day of visit and two towers had been completed and only external structure of the third tower is completed and the work stopped due to expiry of EC period. As per the application, the existing built-up area is 87, 245.55 m² in a plot area of 2.297 Ha with 522 dwelling units. The proposed expansion is for a built-up area of 32,190.23 m² having 163 dwelling units. The Proponent has also procured an additional land area of 0.45409 Ha. Thereby, the total built up area will be 1,19,435.78 m² for 685 dwelling units and plot area will be 2.75109 Ha. The proposed Project cost is Rs. 263.8 Crores. The height of the structure is 58.35 m. The field inspection was conducted on 18-02-2024. **During the discussion on the proposal, it is observed from the photograph in the field inspection report that some work is progressing in the project site. Therefore, the Committee decided to seek explanation from the Proponent for the same.**

Item No.02 Environmental Clearance for Commercial Complex Project including Hyper Market, Retail shops, Multiplex, Restaurant/food court, and amusement center by M/s Lulu International Shopping Malls Pvt. Ltd. at Survey Nos. 409/2, 408/2, 407/2, 400/7, 407/3, 407/1, 410/2, 409/1, 405/4, 403/3, 403/2, 403/6, 406/2, 406/4, 406/6, 406/5, 405/2, 406/3, 405/3, 403/4, 403/5, 412/2, 409/3, Ayyanthole Village, Thrissur Municipal Corporation, Thrissur Taluk & District, Kerala.
(SIA/KL/INFRA2/452684/2023, 2477/EC3/2023/SEIAA)

The Committee examined the proposal and discussed the field inspection report conducted on 05/04/2024. As per the application, the cumulative built-up area of the project is 39,251.48 m² and plot area is 2.1772 ha. The maximum height of the building is 28 m and the FAR is 1.191. The total project cost is Rs. 115.376 Crores. There are two Cases under WP(C) No. 38444 of 2022(E) and WP(C) No. 1045 of 2023(E) pending against the project in the Hon.

High Court of Kerala. It is stated that the excavated topsoil (1,143 cu.m.) will be used for landscaping work. The excavated earth used for backfilling work will be 2,335 cu.m. and internal road construction work will be 5,393 cu.m. within the site. It is stated that the rest of the excess excavated quantity of about 60,128 cu.m. would be sent to the tile manufacturing units at Peramangalam, Perinchery and Poochunnipadom in Thrissur. The land use of the project site and its surroundings were paddy land and the Proponent produced the land conversion order no. D1-3723/2021 dated 16.07.2021 & D7/5897(A)/2021 dated 15.10.2022 issued by Revenue Divisional Officer, Thrissur. As per the provisions of Kerala Conservation of Paddy Land and Wetland Act, 2008 as amended in 2018, 10% of the converted land has to be protected as 'Water Conservation Area'. An international convention centre and a 5-star hotel was developed and commissioned by M/s Lulu International Convention Centre Pvt. Ltd. adjacent to the project site on the Northern side. The existing STP of 400 KLD attached to the Convention Centre & Hotel is proposed to be used for this project as well. The *Puzhakkal* river is at a distance of 350m. During the field inspection, the proponent informed that they are planning to modify the plans considering the soil profile and shallow water table and proposed parking facility in the basement leading to changes in the conceptual plan. It is also informed that a detailed traffic study is commissioned through M/s. NATPAC for detailed traffic management plan and plan for avoiding traffic congestion near the proposed site. It is also noted that the CER proposal does not include provision for maintenance. **Based on discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application:**

1. Details of the change in the conceptual plan proposed, if any
2. Details of the change in the building plan and associated changes reported during the field inspection.
3. A legible sketch / plan of the 10% area approved and specified as 'Water Conservation area' for conversion of previous land use of paddy field and an affidavit to the effect that this area will not be utilized for any other developmental activities.
4. Current status of two court cases regarding the project/project area mentioned in the application.
5. CER proposal as per the guidelines uploaded in the website of SEIAA-Kerala incorporating the maintenance cost.
6. Site-specific EMP incorporating CER along with proof of stakeholder consultation
7. Movement details of excavated soil outside the project area and proof of demand letter/certificate from the end-user of the ordinary earth.
8. Traffic management plan based on detailed traffic study, classification of different roads in the impact zone and carrying capacity assessment of roads within the impact zone and plan for avoiding traffic congestion near the proposed site.

Item No.03 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Arif for an area of 2.3045 Ha in unsurveyed Land in Kurumbalangode Village, Nilambur Taluk, Malappuram (SIA/KL/MIN/277649/2022, 2105/EC6/2022/SEIAA)

The proposal was submitted on 19.12.2022 for mining granite building stone from an area of 2.3045 Ha in unsurveyed Land in Kurumbalangode Village, Nilambur Taluk, Malappuram. The 137th meeting of SEAC decided to recommend rejection of the proposal as the site is in an ESA village. Considering the reconsideration request of the proponent dated 16.02.2023, the 124th meeting of SEIAA referred the proposal to SEAC to appraise the project as per the conditions stipulated in the 123rd meeting of the SEIAA. The 141st meeting of the SEAC directed the proponent to submit a Certificate from a revenue official not below the rank of Tahsildar with a duly signed cadastral level map published in the website of KSBB demarcating the ESA and non-ESA areas in the village. The certificate should include the nature of land, nature of possession, and a report on natural hazards like landslides, etc., if any. The project proponent submitted the documents and the 147th meeting of SEAC examined the documents and noted that the ESA status submitted by the proponent is not in consonance with the decision taken by SEIAA in its 123rd meeting. The SEAC also noted that the ecological sensitivity data for 10km is not submitted, the Mine Plan along with tables and figures are not found uploaded, the Survey map is not legible and the CER plan includes only a demand letter from Project Officer, ITDP, Nilambur. Therefore, the SEAC decided to recommend delisting of the application. The 131st SEIAA meeting agreed with the recommendation of SEAC to delist the proposal and intimated the same to the project proponent vide letter dated 20.09.2023. The project proponent submitted the additional documents dated 25.03.2023 and enlisted the project proposal and therefore, the proposal was placed in 140th SEIAA meeting held on 25th & 26th March 2024. The Authority decided to refer the proposal to SEAC for further appraisal of the project. The Committee on verification observed that the project was rejected as the project proponent did not submit the required 5 documents even after a long period. **The documents pertaining to the relaxation of ESA guideline for the proposal is not as per the direction of the 123rd meeting of the SEIAA and hence is not acceptable. Based on discussion, the Committee decided to recommend rejection of the proposal.**

Item No.04 Environmental Clearance for the Granite building stone quarry of Shri. Cherian K Jose, Managing Partner, M/s. St. Jude Granites for an area of 3.2083 Ha. at Re - Sy Block No. 8, Re - Sy. Nos. 254/3-1, 254/4 & 257/1, in Kumaramagalam Village, Thodupuzha Taluk, Idukki (SIA/KL/MIN/406820/2022, 2211/EC3/2023/SEIAA)

The Committee discussed the field inspection report conducted on 05/04/2024. As per the application, the mineable reserve is 7,89,575MT with an Average Annual Production of 98,696.75 TPA. Total area of the proposed site is 3.2083 Ha and the Life of Mine as per mining plan is 8 years. The depth to water table is 3m bgl in the nearest dug well. The highest elevation of the proposed area is 80m above MSL and the lowest elevation is 65m above

MSL. The Committee observed that there is an abandoned quarry, which is a part of the proposed area, the depth of the existing pit is inferred as 37m above MSL. The distance to nearest house is 54.7m. The distance to moderate hazard zone is 2.15 km and the distance to high hazard zone is 9.41 km. **Based on discussion, the committee decided to recommend EC for a mine life of 8 years subject to the following specific conditions in addition to the general conditions.**

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

15. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
16. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
17. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
18. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.05 Environmental Clearance for the Granite Building Stone Quarry project of M/s. P. J. Associates (Represented by its Managing Partner, Sri. Pious Antony) for an area of 2.6465 Ha at Re-Survey Nos. 93/1, 94/1, 95/1, 95/1-1, 95/2, 95/2-1 in Lalam Village, Meenachil Taluk of Kottayam. (SIA/KL/MIN/410881/2022, 2186/EC3/2023/SEIAA)

The Committee reexamined the application and noted the decision of the 140th SEIAA meeting. As per the Cluster Certificate of Mining & Geology Department, dated 09.12.2022 there is another quarry with an area of 0.6993 Ha owned by the same Project Proponent. As per the field inspection report dated 26.07.2023 observed that there is another quarry with EC having the validity up to 25.07.2024 (EC- K 41/DEIAA/Q41/2017 dt. 26-07-2018 of DEIAA, Kottayam) and the mine closure is not done so far. **Hence, the committee decided to direct the project proponent to submit revised Cluster Certificate form the Mining and Geology Department considering all the working quarries, quarries that are not issued mine closure certificates and that are given LoI and located within a radius of 500m.**

Item No.06 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Shaji. P for an area of 1.3153 Ha at Re Survey nos. 242(981), 242 (982), 242 (930) in Valayam Village, Vatakara Taluk, Kozhikkode. (SIA/KL/MIN/411362/2022, 2344/EC2/2023/SEIAA)

The Committee examined the proposal, discussed the field inspection report and scrutinized the additional documents submitted by the Project Proponent and found them satisfactory. The depth to water table as per the additional document submitted is 3m bgl at 71m above MSL. The total mineable reserve is 10,93,092 MT with an annual production of 91,091 MTA. The life of mine is 12 years. Nearest house is at 242.6 m. The highest elevation of the site is 160 m above MSL and lowest is 115 m above MSL. The total project cost is Rs.1.43 crore. The slope is moderate to steep. The soil thickness varies up to 2.5m. The distance to Medium Hazard Zone is at a distance of 1.23km and High hazard zone is at a distance of 2.05km. The Cluster Certificate dated 20/10/2022, states that no working quarry is in operation within a 500m radius. **Based on discussion, the committee decided to recommend EC for a mine life of 12 years subject to the following specific conditions in addition to the general conditions.**

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

**Item No.07 Environmental Clearance for Granite Building stone quarry of Sri. Pradeep Kumar S, Managing Partner, M/s RKP Minerals and Metals Private Ltd for an area of 0.4790 Ha at Block no.30, Re Survey No. 233/2-3-1, 233/2-5-1, 233/2-2, 233/6, 233/6- 1, 234/5, in Thekkada Village, Nedumangad Taluk, Thiruvananthapuram, Kerala.
(SIA/KL/MIN/414351/2023, 2210/EC1/2023/SEIAA)**

The Committee reexamined the hearing note dated 11/04/2024 submitted by the project proponent. Since the effective date of implementation of the report of the SEAC regarding viability of mining in area less than 0.5 Ha is 13.11.2023 and the application was submitted on 3.2.2023, the Committee reappraised the proposal. As per the application, the total mineable reserve is 96,100 MT and the annual production is 24,000 TPA for mine life of 4 years. The highest elevation of the lease area is 165m MSL and the lowest is 140m MSL. The depth to water table is 5.8m bgl. The project cost is 65 lakh. The nearest house is located at a distance 51m away from mine boundary. The distance to the medium hazard zone is 8.14 km. As per the Cluster Certificate dated 07.01.2023, the lease/permit of the two quarries within 500 m radius has expired. Accordingly, it is estimated that there will be feasibility for mining a quantity of 86862 MT up to a depth of 137m above MSL by providing one bench of 3m below the ground level after maintaining the stipulated buffer area and providing an area of about 865 m² at the ultimate mine pit for essential environmental safeguards. **Based on discussion, the committee decided to recommend EC for a mine life of 4 years subject to the following specific conditions in addition to the general conditions.**

1. Depth of mining should be limited to a maximum depth of 3m below ground level up to 137m above MSL for extracting mineable reserve of 86862 MT
2. Temporary wall of height 5m should be erected connecting the boundary pillars BP3, BP4 and BP5 of the project making use of light roofing sheets to avoid nuisance to the nearby houses.
3. Development of green belt using indigenous species should be initiated prior to the commencement of mining operation.
4. Compensatory afforestation should be initiated prior to the commencement of mining.
5. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
6. CER Plan should be implemented within the first one year and it should be operated and maintained till the mine closure plan is implemented
7. The haulage road should be maintained well with frequent sprinkling
8. 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.
9. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
10. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).

11. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
12. Overburden should be stored at the designed place at lower elevation and gabion wall should be provided for the topsoil and overburden storage sites
13. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
15. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
16. Adequate energy conservation measures should be implemented including solar power installations.
17. 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.
18. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.
19. An adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.

Item No.08 Environmental Clearance for Laterite (Building Stone) Quarry of Sri. Bharathan for an area of 0.9532 ha at Survey Nos: 7/2-14, 7/2- 15, 7/2-8, 7/2-7 in Koppam Village, Pattambi Taluk, Palakkad District, Kerala (SIA/KL/MIN/415821/2023, 2222/EC1/2023/SEIAA)

The Committee reexamined the proposal as directed by the SEIAA and found that 3 other proposals viz. Quarry of Sri. Suhaib Kunnan (SIA/KL/MIN/413609/2023, 2204/EC1/2023/SEIAA), Sri. Sameer Ali (SIA/KL/MIN/46290/2019, 1493/EC1/2019/SEIAA-EC granted), and Sri. Abdu Rasak (SIA/KL/MIN/415955/2023, 2221/EC1/2023/SEIAA) are adjacent to the proposed area sharing the same boundary. **Based on discussion, the Committee decided to direct the PP to submit Comprehensive EMP prepared by a NABET Accredited consultant by considering the impacts of all the four projects located adjacently and their mitigation measures.**

Item No.09 **Environmental Clearance for Laterite (Building Stone) Quarry of Sri. Abdu Rasak for an area of 0.9400 ha at Block No 25, Re-Survey Nos: 7/2-10, 7/2-9, 7/2-8, 7/2-16, 7/2-17 in Koppam Village, Pattambi Taluk, Palakkad District, Kerala.**
(SIA/KL/MIN/415955/2023, 2221/EC1/2023/SEIAA)

The Committee reexamined the proposal as directed by SEIAA and found that 3 other proposals viz. Quarry of Sri. Suhaib Kunnan (SIA/KL/MIN/413609/2023, 2204/EC1/2023/SEIAA), Sri. Sameer Ali (SIA/KL/MIN/46290/2019, 1493/EC1/2019/SEIAA-EC granted), and Sri. Bharathan (SIA/KL/MIN/415821/2023, 2222/EC1/2023/SEIAA) are adjacent to the proposed area sharing the same boundary. **Based on discussion, the Committee decided to direct the PP to submit Comprehensive EMP prepared by a NABET Accredited consultant by considering the impacts of all the four projects located adjacently and their mitigation measures.**

Item No.10 **Environmental Clearance for Granite building stone quarry project of Sri. P T Vincent, Managing Partner, M/s St. Antony's Building Stone Quarry for an area of 0.8276 Ha at Survey No. 1102/2 in Chittanda Village, Thalappilly Taluk, Thrissur. (SIA/KL/MIN/421384/2023, 2469/EC3/2023/SEIAA)**

The Committee examined the proposal and scrutinized the additional documents submitted by the Project Proponent and found them satisfactory. As per the additional document submitted dated 15/04/2024, the depth to water table is 8m bgl at 53m AMSL. As per the application, the total mineable reserve is 90775 MT and the proposed production capacity is 30412 TPA. The life of mine is 3 years. The highest elevation of the project area is 90 m above MSL and the lowest is 74 m above MSL. The Moderate Hazard Zone is at a distance of 7.2 Km. The depth to water table is 8m below ground level. An abandoned quarry form part of the proposed site and depth of the pit is around 50m above MSL. The total project cost is Rs.1 Crore. As per the Cluster Certificate dated 19.07.2023, states that two non-working quarries are situated within the 500m radius. **Based on discussion, the committee decided to recommend EC for a mine life of 3 years subject to the following specific conditions in addition to the general conditions.**

1. The green belt should be initiated prior to the commencement of mining using indigenous species.
2. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
3. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
4. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate sedimentation and filtration

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

Item No.11 Environmental Clearance for Building Stone Quarry project of Sri. Sreejith S.S., Managing Partner of M/s VSC Villaments at Block No.47, Re-Survey 319/7, 318/13, 322/5, 320/1-1, 320/4-2, 320/1-3, 320/1-4, 320/1-6 in Aryanad Village, Nedumangad Taluk, Thiruvananthapuram, Kerala for an area of 2.700 hectares. (SIA/KL/MIN/426206/2023, 2261/EC1/2023/SEIAA)

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. As per the application, the total mineable reserve is 12,81,015 MT with an average annual production of 1,28,100 TPA. The total project cost is Rs. 647 Lakh. The life of the mine as per mining plan is 10 years. The highest elevation is 125 above MSL

and the lowest elevation is 95 above MSL. The proposed depth of mining is up to 75m above MSL. The depth of water table is 10m bgl. The nearest house is at a distance of 61 m and a water tank is located at a distance of 103m. Considering the importance of the overhead tank for drinking water supply, it is desirable to maintain a buffer distance of 150m with the water tank. The medium hazard zone is at 6 km and the high-hazard zone is at 10 km from the proposed area. The Cluster certificate dated 04/03/2023, states that no other quarries situated within 500m radius. The Peppara Wild Life Sanctuary is at 4.75 km and Neyyar Wild Life Sanctuary is at 3.75 km from the project area. The Proponent stated that wild clearance is not applicable to the project as it is located outside the ESZ. However, no document to prove the same is submitted. **Based on discussion, the committee decided to recommend EC for a mine life of 10 years with the following specific conditions in addition to the general conditions subject to production of proof of Wildlife Clearance from the SCNBWL or authenticated exemption letter from the Forest Department.**

1. The Project proponent should submit the mandatory Wildlife Clearance from the SCNBWL prior to the issuance of EC
2. Temporary wall using light-roofing material of height 5m should be erected on the boundary connecting the boundary pillars BP1-BP2-BP3-BP4-BP5-BP6.
3. A buffer distance of 150m should be maintained between the Overhead Water Tank and the project boundary.
4. The green belt should be initiated prior to the commencement of mining using indigenous species.
5. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
6. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate sedimentation and filtration
8. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
9. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
10. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
11. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
12. The haulage road should be provided with sprinkling facility to prevent dust pollution.
13. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).

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

Item No.12 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Jaimon Joseph, for an area of 0.4236 Ha. at Block No.23, Re-Survey Nos.397/3 in Mulakkulam Village, Vaikom Taluk, Kottayam (SIA/KL/MIN/426441/2023, 2411/EC4/2023/SEIAA)

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. The depth to water table is 6m bgl. The total mineable reserve is 35,020 MT. The mine life is 1 year. The project cost is 20 Lakh. The highest elevation of the proposed area is 26m above MSL and the lowest elevation is 14m above MSL. The medium hazard zone is at a distance of 18 km and the High Hazard Zone is at a distance of 31.2 km. The Proponent submitted a plan for maintaining the stipulated buffer distance between the building and the project boundary. Accordingly, the stipulated distance between the project boundary and the house shall be maintained at 20 m at the level of the house of 18m above MSL. The excavation of laterite shall be restricted up to 18m above MSL at the level of the house at 18m above MSL at BP4. The area between BP3 and BP4 shall be backfilled up to the level of house at 18m above MSL from level of 14m. The garland drain passing between BP3 and BP4 shall be constructed with laterite stone to prevent erosion. A laterite wall of 1.5m height shall be constructed all along the edge of the backfilled area for stability. Also, the surroundings of the house shall be provided with laterite wall all along the project boundary. Considering this and **based on discussion, the Committee decided to recommend EC for a period of 1-year subject to the following specific conditions in addition to the general conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area

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

Item No.13 Environmental Clearance for the Granite Building Stone Quarry of Sri. Thomas Joseph for an area of 0.9674 Ha at Survey No. 79/1-5-1pt in Manjalloor Village, Muvattupuzha Taluk Ernakulam (SIA/KL/MIN/434759/2023, 2410/EC1/2023/SEIAA)

The examined the proposal and discussed the the field inspection report conducted on 26/03/2024. As per the application, total mineable reserve is 1,44,425 MT and the annual production is around 70000 MT. The life of mine is 2 year as per the application. The nearest house is at 181 m. The highest elevation of the permit area is 120 m above MSL and lowest is 84 m above MSL. The mining is proposed up to a depth of 70m above MSL. The depth to water table is 6m below ground level. The total project cost is Rs.1.6 crore. The Committee noted the following shortcomings with the application:

1. The compensatory afforestation plan is proposed in an already vegetated area which is not acceptable
2. There are mistakes and inadequacies in the Biodiversity Assessment Report and therefore, it needs reworking and correction
3. Such hill-ridges are normally rich repositories of flora and fauna often with rare, endemic and threatened (RET) species. The thermal variations in the rocky surfaces enable the sustenance of certain species and such details are necessary to be known prior to considering any intervention in such areas.

4. The proposed terrain demands very carefully designed drainage system which is lacking in the proposal
5. The Environmental Management Plan (EMP) is not prepared considering the various environmental impacts, particularly land fragility, natural resource scenario, ecological importance, possibility of high air pollution potential etc. and appropriate environmental mitigation measures and therefore, need reworking by a NABET accredited consultant
6. CER Proposal is not prepared based on local stakeholder consultation as envisaged in the procedure and therefore, it needs reworking
7. There is mismatch of life of mine given in Form 1M and in the application

Further, the following aspects do not encourage any type of intrusive intervention in the proposed site.

1. The site is located on the middle part of an extremely steep midland residual east-west trending hill ridge of length about 4.6km from Kavana in the west to Kadalikkad in the east. The elevation of the ridge varies from about 40m above MSL to 170m above MSL with site elevation varying from 84m to 120m above MSL.
2. The midland residual hill ridge of elevation of 170m above MSL and height of 130m above the ground level influences the micro climatic system and weather pattern of the region. Therefore, conservation of such ecological systems are of utmost importance to the environmental sustenance of the region.
3. The mining in such extremely steep terrain is highly risky to the houses located in the foothill regions
4. The execution of mining related activities in such an extremely slope region will be highly risky and disaster prone
5. Though the proposal is to conduct mining in less than one hectare of land at present, the Proponent obtained NOC for mining granite building materials from an area of 5.05.86 Ha. In addition, the Proponent owns about 2 Ha of land adjoining to the government land. Therefore, the mining may invariably continue to larger areas. The mining, if permitted from this residual hill once, it may continue to attract many more such mining projects. This will lead to extensive loss of the land system integrity of this fragile hillock, adversely affecting the climate, hydrology and biodiversity systems of the region and irreversible loss of natural resources. Scientifically, it should not be a priority location for mining considering the ecological significance, disaster proneness, habitations in the foothill etc.
6. The valley portion of the hill ridge exhibit rich natural resource scenario due to micro-climatic advantage of the region which will be lost, in the event of disturbance to the elongated hill-ridge.
7. Any activity impacting the landscape and ecology of such residual hill ridges is not very desirable considering its rich biodiversity, importance as a natural micro-climate regulator and relatively high-risk potential.

Based on the above aspects, the Committee decided that the principle of precaution is applicable in this case in anticipation of environmental harm and high-risk potential and therefore requires anticipatory action to be taken to prevent harm. The Committee

noted that the Principle of Precaution is based on scientific uncertainty and justified concern or risk potential and involves the anticipation of environmental harm and taking measures to avoid it or to choose the least environmentally harmful activity. It is also noted that environmental protection should not only aim at protecting health, property and economic interest but also protect the environment for its own sake. Considering these, the Committee decided to recommend rejection of the proposal.

Item No.14 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Benny Abraham, Managing Partner, M/s. Amayoor Granites for an area of 3.6733 Ha at Re-Sy Block No: 2, Re-Sy. No: 33/8-2, in Pattambi Village and Re-Sy Block No: 24, Re-Sy. No's. 314/5 & 314/6 in Koppam Village, Pattambi Taluk, Palakkad (SIA/KL/MIN/440361/2023, 2184/EC1/2023/SEIAA)

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. As per the application, the total mineable reserve is 1260199.75MT with an annual production of 150636.15 MTA. The life of mine is 12 years. The highest elevation of the permit area is 170 m AMSL and lowest is 101.8 m AMSL. The depth to water table is 9m bgl. The nearest habitation is at 205 m towards north side. The distance to the high hazard zone is 20.19 km and to the medium hazard zone is 10.48 km. The public hearing was conducted on 04.07.2023. The total project cost is Rs.3,32,42,863/-. **Based on discussion, the committee decided to recommend EC for a mine life of 12 years subject to the following specific conditions in addition to the general conditions.**

1. The depth of mining should be limited to 95m above MSL considering the depth to water table.
2. The adjacent land is gradually at higher elevation along the top edge of the proposed quarry in some of the areas, where necessary channels should be made for smooth flow of rain water.
3. A bund of at least 1m height should be constructed at the project boundary at the top to arrest any rolling of boulders from the higher elevation.
4. Effective drainage channels of width of at least 1.5m should be maintained to channelize the rain water and prevent its entry to the quarry. It shall also serve the purpose of arresting the boulders that may roll down.
5. Haulage road should be laid with drainage channels on both sides and black-topping to prevent water logging and dust emission.
6. Regular water sprinkling should be done in the access roads including the sensitive areas such as the school/educational zones (MES college & Govt. UP school, Amayur).
7. The green belt should be initiated prior to the commencement of mining using indigenous species. The existing indigenous trees and rubber trees in the buffer zone should not be removed.
8. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.

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

Item No.15 Environmental Clearance for the Granite Building Stone Quarry of Sri. Ratheesh P S, M/s Higrange Granites at block no. 52, Re-survey no: 67/1 (Govt. land) in Karunapuram Village, Udumbanchola Taluk, Idukki.
(SIA/KL/MIN/440674/2023, 2386/EC2/2023/SEIAA)

The Committee examined the additional documents submitted by the Project Proponent sought in 159th SEAC meeting and found them satisfactory except the details regarding the ESA Village. As per the application, the total mineable reserve is 15,46,545 MT. The life of mine is 10 years. The total project cost is Rs. 2.2 Crore. The highest elevation of the permit area is 1060 m AMSL and lowest is 990 m AMSL. Building owned by the Proponent exists at 55.5 m and a crusher unit is at 25 m. The depth to water table is 25m below ground level. The site is located in the moderate hazard zone and the distance to high hazard zone is 2.61 km. As per the Cluster Certificate dated 19/07/2023, there is no quarry located within 500m radius. The PP has submitted valid NOC for the government land and NOC from the DLCMG, Idukki No. DCIDK/3710/2018-E9 dated 15.11.2023. The PP has not submitted the certificate for exemption from ESA guidelines from the Revenue Officials as envisaged in the 123rd SEIAA Meeting though the site falls in Karunapuram Village, an ESA village listed in Kasturirangan report. However, the PP has submitted a Certificate from the Tahsildar dated 17/02/2024 which states that there are no areas falling in ESA in Karunapuram village, Udumbanchola Taluk. It is noted that the map of KSREC collaborates with the certificate of Tahsildar. **Based on discussion, the Committee decided to recommend EC for 10 years to the project subject to the following specific conditions in addition to the general conditions and also subject to the acceptance of the Certificate of Tehsildar No. TLKUDM/384/2023-C5 dated 17.2.2024 by the SEIAA.**

1. A buffer distance of 150m should be maintained between the nearest wind mill and the boundary of the proposed site as a precautionary measure in anticipation of harm to the structure and as part of taking measures to avoid it.
2. The green belt should be initiated prior to the commencement of mining using indigenous species.
3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees as proposed by the proponent at the designated location..
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate sedimentation and filtration. A minimum of 4 siltation tanks should be constructed and the drain water shall be monitored and the results should be included in the HYCR.
6. Overburden should be stored at the designed place and concrete wall should be constructed with weep holes for the protection of OB dump.
7. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of

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

8. Temporary wall of height 5m should be erected connecting B2-B3-B4-B5-B6-B7-B8-B9-B10-B11 and connecting B1 and B13. making use of light roofing sheets.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.
10. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
16. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.
17. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan.
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.16 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Mohammed Shereef for an area of 0.7227 Ha is in Survey No. 272/1-5 of Alipparamba Village, Perinthalmanna Taluk, Malappuram (SIA/KL/MIN/441164/2023, 2467/EC1/2023/SEIAA)

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. As per the application, the total mineable reserve is 1,28,425 MT with an annual production of 42,808 TPA. The life of mine is 3 years. The nearest house is at 203 m. The highest elevation of the permit area is 120 m AMSL and the lowest is 100 m AMSL. The depth to water table is 6.8m bgl. Mining is proposed up to a depth of 95m above MSL. The high hazard zone is at 14.11km and the medium hazard zone is at 3.51 km. The

depth to water table is 6.8 m at 88 m AMSL. The medium hazard zone is in a distance of 3.51 Km from the project site. The high hazard zone is in a distance of 14.11 KM from the site. The Cluster Certificate dated 12/06/2023 states that no quarry is in operation within 500m radius. **Based on discussions, the Committee decided to recommended EC for 3 years subject to the following specific conditions in addition to the general conditions.**

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

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

Item No.17 Environmental Clearance for the mining of Ordinary Earth by Sri.Varghese. M. P for an area of 0.8120 Ha at Survey No. 194/11, 194/12 in Aikaranadu south Village, Kunnathunad Taluk, Ernakulam. (SIA/KL/MIN/446468/2023, 2454/EC1/2023/SEIAA)

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. The mineable reserve is 64,960 MT and the annual production is 32,480 TPA. The life of mine is 2 years. The project cost is Rs. 25 lakhs. The highest elevation is 84m above MSL and lowest is 68m MSL. The depth to water table is 8m below ground level at 58m MSL. The distance to Thattekad Bird sanctuary is 31.66km. There are 3 built structures located at a distance of 20, 30 and 45m from the project boundary. The Committee observed that it is desirable to carry out the mining activity for better safeguard of the built structures located at lower level. **Based on discussion, the Committee decided to recommend EC for a period of 2 years subject to the following specific conditions in addition to the general conditions:**

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

15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)

Item No.18 Environmental Clearance for the Granite Building Stone Quarry of Sri.M K Nassarudeen Musliar, M.K.N Bricks and Blue Metals Pvt. Ltd for an area of 4.9800 Ha at Block No.18, Re-survey nos: 86/7, 83/25, 83/12-1, 83/13-1-1, 84/2-3, 84/2, 84/2-5, 84/2-6, 84/2-4, 84/2-2, 84/2-1, 84/1, 84/6, 84/5, 84/16, 84/17, 84/18, 84/19, 80/1, 80/1-1, 80/14, 80/12, 80/12-1, 80/11, 80/8-3, 80/8-4, 80/8-1, 80/8-1-1, 80/13 in Anad Village, Nedumangad Taluk, Thiruvananthapuram. (SIA/KL/MIN/446910/2023, 2448/EC3/2023/SEIAA)

The Committee examined the additional documents submitted by the Project Proponent on 09/04/2024. The Committee observed that the adjacent quarry is not closed and closure certificate is not produced. The letter of the District Geologist 09/04/2024 also indicates that the closure application was submitted and the application is under processing. **In the circumstance, the committees decide to direct the PP to submit application for ToR.**

Item No.19 Environmental Clearance for the Granite Building Stone quarry project of Sri. Sainudheen C. K, M/s Yesco Granites LLP for an area of 0.9460 Ha in Survey No.202/2, in Elankur Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/46586/2019, 1573/EC3/2019/SEIAA)

The Committee examined the additional documents submitted by the Project Proponent sought in 159th SEAC meeting and found them satisfactory. The total mineable reserve is 3,52,995MT. The highest and lowest elevation is at 115m and 90m above MSL respectively. The total mineable reserve is estimated based on mining from 115m above MSL to a depth of 65m above MSL. However, as per the production plan given in the Mine plan, it is proposed to extract only 1,25,000 MT @ 25,000 TPA during 5 years, the life of mine given in the mine plan and application. The depth to water table is reported as 6.2m below ground level. The proposed mining for the first five years is from 110m to 90m above MSL. The estimated project cost is 97.80 Lakh. The distance to the nearest built structure is 98.73m. The distance to moderate hazard zone is 8.58km and distance to high hazard zone is 12.63km. The Subcommittee conducted Field Inspection Report on 14.12.2023. **Based on discussion, the Committee decided to recommended EC for 5 years subject to the following specific conditions in addition to the general conditions.**

1. The depth of mining should not exceed 85m above MSL.
2. The green belt should be initiated prior to the commencement of mining using indigenous species. The existing vegetation including the rubber trees should not be removed from the buffer zone.
3. Compensatory afforestation should be done prior to the commencement of mining as proposed and it should be ensured that the number of trees planted should be more than 1685 nos.

4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate sedimentation and filtration.
6. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites.
7. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
8. Temporary wall of height 5m should be erected connecting the boundary pillars BP2-BP1-BP4 to avoid nuisance to the houses and adjacent road.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.
10. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
16. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.
17. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan.
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.20 Environmental Clearance for the apartment Project by Nest Realities Pvt. Limited, submitted by Sri. Rahul K R., Finance Manager, for an area of 0.7355 Ha at Sy No. 323/7 in Keezhmad Village, Aluva Taluk, Ernakulam.
(SIA/KL/MIS/289728/2022, 2269/EC3/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the additional documents, the total project is 52.76 Crores. The PP also submitted the area of the existing building certified by Chartered Engineer dated 12/03/2024. The existing Built-up area is 19990.58m². The area proposed for expansion is 4934.52m². The cumulative built up area is 24925.10m². The FAR is 2.26. The proposal was presented in the 153rd meeting of the SEAC and the field inspection was conducted on 20/01/2024. From the proof of approval of the local body and the certificate from the Chartered Engineer, no violation is observed in the site. **Based on discussions, the committee recommended EC for 10 years for the project subject to the following Specific Conditions in addition to the General Conditions.**

1. The CER proposal is for building environment improvement facility should be carried out in the first two years and maintained during the rest of the EC period.
2. The Project Proponent should ensure that the stormwater discharge from the compound should be strictly according to the carrying capacity of the public drain and in case required its carrying capacity should be enhanced by considering the terrain condition.
3. The STP as proposed with MBBR technology, including Tertiary Treatment Unit to ensure quality of treated water for re-use /recycle for flushing / gardening/ firefighting/ recharge of local ground water should be installed.
4. Treated water from STP should be reused to the maximum extent and balance if any should be discharged through a series of soak pits for recharging the local ground water, and for avoiding discharge of treated water into the nearby public drain.
5. The proponent should implement the drainage plan as proposed.
6. Water efficient plumbing features for saving water use should be adopted as per the plan submitted.
7. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
8. The Project Proponent should make provision for the housing of construction labour with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).
9. Climate responsive design as per Green Building Guidelines in practice should be adopted
10. The green building criteria notified in the GO (Ms) No. 39/2022/LSGD dated 25.2.2022 should be adopted

11. Vegetation should be developed appropriately on the ground as well as over built structure such as roofs, basements, podiums etc.
12. Exposed roof area and covered parking should be covered with material having high solar reflective index
13. Building design should cater to differently-abled citizens
14. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow
15. Energy Conservation Building Code Rules, 2018 should be complied with.
16. Energy conservation measures as proposed in the application should be adopted in total
17. Buildings should be barricaded with GI sheets of 6 m. (20 feet) height so as to avoid disturbance to other buildings nearby during construction.
18. Construction work should be carried out during day time only.
19. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
20. All vehicles carrying construction materials should be fully covered and protected.
21. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
22. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
23. Occupational health safety measures for the workers should be taken during the construction.
24. All vehicles during the construction phase should carry PUC certificate.
25. D.G. set should be provided with adequate stack height and regular maintenance should be carried out before and after the construction phase and would be provided with an acoustic enclosure.
26. Green belt should be developed along the periphery of the site with indigenous species.

PARIVESH FILES

PART – 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01 Environmental Clearance for Laterite (Building Stone) Quarry of Sri. Suhaib Kunnan for an area of 0.9588 at Re-Survey Nos. 7/2-6, 7/2-12, 7/2-13, 7/2-20 in Koppam Village, Pattambi Taluk, Palakkad District, Kerala (SIA/KL/MIN/413609/2023, 2204/EC1/2023/SEIAA)

As invited, the project proponent Sri. Suhaib Kunnan and RQP V. K. Roy were present. The RQP presented the revised Mining plan, revised CER along with geotagged photographs and video of the site and surroundings. The 149th meeting of SEAC directed the Proponent to submit a revised Mining Plan which was approved on 26.12.2022 due to contradiction in estimates. The Proponent submitted a revised Mine Plan on 2.10.2023. The 151st SEAC verified the additional documents and found them satisfactory except the proposal for Corporate Environmental Responsibility. Subsequently, the proponent submitted CER along with proof of stakeholder consultation. The 158th SEAC meeting examined the application and noted that the total mineable reserve is 1,07865 MT with an annual production of 53932.5 MT and the life of mine is 2 years. The distance of the nearest house is 67 m. The highest elevation of the permit area is 94m AMSL and the lowest is 88m AMSL. The depth to water table is 6m below ground level. The total project cost is Rs. 22 Lakh. The average thickness of laterite is 12m, but the mineable laterite is only 5m thick. The distance to high hazard zone is 30.36km and the distance to medium hazard zone is 6.90km. During the presentation, the Committee noted the following:

- The revised mining plan submitted is not approved by the Mining & Geology Department
- There are 4 other proposals viz. Quarry of Sri. Bharathan (SIA/KL/MIN/415821/2023, 2222/EC1/2023/SEIAA), Sameer Ali (SIA/KL/MIN/46290/2019, 1493/EC1/2019/SEIAA-EC granted), and Abdu Rasak (SIA/KL/MIN/415955/2023, 2221/EC1/2023/SEIAA) adjacent to the project area.

Based on discussion, the Committee decided to direct the PP to submit the following.

- 1. Revised Mining plan after obtaining approval from the Mining & Geology Department**
- 2. A Comprehensive EMP prepared by a NABET Accredited consultant by including all the above-mentioned laterite mining projects.**

Item No.02 Environmental Clearance for the Laterite Building Stone Quarry Sri. Ahammed Kunji ATP, for an area of 0.1942 Ha. at Re-Survey No.100/384 in Panappuzha Village, Payyannur Taluk, Kannur (SIA/KL/MIN/434903/2023, 2380/EC4/2023/SEIAA)

As per the decision of the 152nd SEAC meeting, the Project proponent was invited for presentation in the 156th and 159th SEAC meetings. Even after prior intimation, the project

proponent was absent for the presentation and requested to postpone the presentation. Now the project proponent was again invited for the presentation and vide email dated 4th May 2024 the project proponent again requested to postpone the presentation. **Based on discussion, the Committee decided to recommend to reject the proposal at the risk of the project proponent.**

Item No.03 Environmental Clearance application for the Granite Building Stone Quarry Project of Sri. Ranju K. K., Managing Director, M/s. Neeloor Aggregates Pvt Ltd., for an area of 3.2225 Ha. at Block No. 30, Re. Survey No.422/1, 422/2, 440/1, 440/3, 440/4, 441/5, 442/1 in Kadanadu Village, Meenachil Taluk, Kottayam (SIA/KL/MIN/435475/2023, 2331/EC3/2023/SEIAA)

As invited the project proponent Sri. Ranju K. K. and the RQP, Sri. C. Balaraman were present. The RQP made the presentation. As per the application, the total mineable reserve is 16,15,463 MT with an annual production of 1,34,621.91 TPA. The life of mine is 12 years. The highest elevation of the permit area is 338 m AMSL and the lowest is 280 m AMSL. The total project cost is Rs.350 lakh. The distance to nearest built structure is 61m. The site falls under medium hazard zone and the distance to high hazard zone is 3.26km. As per the cluster certificate dated 24/02/2023 there is no working quarry within a distance of 500m. The PP submitted the recently monitored baseline data. **Based on discussion, the Committee observed the following shortcomings and decided to entrust Dr. Mahesh Mohan and Dr. K.N. Krishnakumar for field inspection and report.**

1. **Approval of the District Level Crisis Management Committee as the project site fall in medium hazard zone.**
2. **Revised EMP prepared by a NABET accredited agency, which is not found submitted.**

Item No.04 Re-appraisal of DEIAA issued Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K.N. Balakrishnan for an area of 3.7227 Ha at Block No: 27, Re survey No. 45/1, 45/2, 46 in Erumely south Village, Kanjrappally Taluk, Kottayam (SIA/KL/MIN/ 441059/2023, 2438/EC4/2023/SEIAA)

As invited Sri. Rajeev KA on behalf of the project proponent Sri. K.N. Balakrishnan and RQP Sri. V.K. Roy were present. The RQP made the presentation. The Committee observed that EC was issued by DEIAA, Kottayam on 11.04.2018 for a period of five years. As per the application, the total mineable reserve is 510312.5 MT with annual production of 42526 MT. The life of mine is 12 years. The highest elevation is 175 m MSL and lowest is 115 m MSL. The depth to water table is 6m bgl. In Form 1M it is mentioned that a church is situated at 280 m. The project cost is Rs.75 lakh. As per the presentation, the Periyar Tiger Reserve is at a distance of 5.76 km. The proposed area falls under low hazard zone. The distance to high hazard zone is 5.5 KM and the distance to moderate hazard zone is 2.3 KM. **Based on**

discussions the committee decided to direct the project proponent to submit the following additional documents:

1. Recent non-monsoon baseline monitoring data.
2. Recent Cluster Certificate.
3. Detailed drainage Plan.
4. Recent legible survey map indicating distance to all the built structures within 200m distance from the project boundary.
5. Scheme of mining or Production details with balance quantity to be extracted, authenticated by the Department of Mining & Geology.
6. Depth to water table measured in the nearest open well to the site with geo-tagged photographs, elevation of the site above MSL and distance from the project boundary are not submitted.
7. CER proposal as per the guidelines uploaded on the website of SEIAA-Kerala.
8. Site specific EMP with mitigation measures.
9. Proposal of re-grassing the mining area and any other area which may have been disturbed due to the mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna, etc. in compliance to the direction dated 8th January 2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No.114/2014, Common cause vs Union of India & Others.
10. Non-assignment Certificate from the Village Officer.
11. Overburden dumping location, geo-tagged photograph of the proposed site and protection plan
12. CCR from the IRO, MoEFCC, Bangalore.
13. Valid mine lease document
14. District Survey Report
15. Affidavit regarding the compliance of the Hon'ble Supreme Court judgment dated 2.08.2017 passed in Common Cause Vs Union of India WP(C) 114 of 2014

Item No.05 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Muhammad Rajil for an area of 0.6030 Ha at Block No.18, Re-Survey No.477/21-2 in Vazhakkad Village, Kondotty Taluk, Malappuram. (SIA/KL/MIN/446706/2023, 2404/EC1/2023/SEIAA)

As invited the Project Proponent Sri. Muhammad Rajil and RQP V.K. Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 75,169 MT. with an average annual production of 25,906 MT in the first year and 26,712 MT in the second year. The total project cost is 16.175 lakh. The nearest built structure is at a distance of 151.5m. The depth to the water table is 6m bgl at 86m AMSL. The subcommittee conducted Field Inspection on 14/12/2023. The area falls within medium hazard zone and the distance to high hazard zone is 12km. The highest elevation of the proposed area is 107m above MSL and the lowest elevation is 98m above MSL. As per the cluster certificate dated 14/08/2023, there is no cluster situation. **Based on discussions the committee decided to forward the copy of Complaints by the Mudakoimala natives and get the response from**

the PP. The Committee noted the following shortcomings and requirement of additional documents for further appraisal of the application:

1. Approval of the District Level Crisis Management Committee as the project site falls in medium hazard zone.
2. Recently certified survey map from the Village Officer indicating all the houses and other built structures within 100m radius.
3. Endorsement of the authorities/the consent letter from the Anganwadi for the CER proposal for renovation of the kitchen.
4. Geo-tagged photographs of all the boundary pillars.
5. A site specific EMP by considering nearby operational and other proposed laterite quarries

The SEIAA Secretariat shall provide a copy of the complaint from the Mudakoimala natives to the project proponent.

Item No.06 Re-appraisal of the DEIAA issued Environmental Clearance for the mining of Granite Building Stone Quarry project of Sri. Biju Thomas, for an area of 1.6540 Ha at Sy. No. 146/1 in Kallar Village, Vellarikundu Taluk, Kasaragod (SIA/KL/MIN/452003/2023, 2511/EC4/2024/SEIAA)

As invited, Sri. Justin K Mathew on behalf of the project proponent of Sri. Biju Thomas and the RQP Sri. Thambu Cheriyan were present. The RQP made the presentation. As per the application, the life of mine is 7 years with an annual production of 76,695 TPA. The project cost is Rs. 323.9 lakh. The environmental clearance was issued by DEIAA, Kasargod vide EC No A 6500/17 dated 20/10/2017 and was valid up to 19.10.2023 (with Covid relaxation). As per the presentation, the distance to high hazard zone is 0.70 km and the distance to medium Hazard Zone is 9.26 km. The highest elevation is 418m above MSL and the lowest elevation is 365m above MSL. **Based on discussions the committee decided to direct the project proponent to submit the following additional documents:**

1. Recent legible survey map from the concerned Village Officer
2. Recent baseline environmental data monitored during non-monsoon season
3. Compensatory Afforestation Plan along with geotagged photograph of the proposed site, species details and land ownership details.
4. Non-assignment Certificate
5. CER plan as per the guideline published in the SEIAA website.
6. Recent Cluster Certificate from the M&G Department.
7. Scheme of Mining or Certificate from the Mining & Geology Dept regarding the quantity mined out so far and the balance quantity available for mining.
8. Depth to water table in the nearest dug well along with geo-tagged photograph of the well, elevation of the well site and distance to the well from the project boundary
9. CCR from the IRO, MoEFCC, Bangalore.
10. Valid mine lease document
11. District Survey Report, if not submitted
12. Project Feasibility Report, if no submitted

13. Biodiversity Assessment Report, if not submitted
14. Affidavit regarding the compliance of the Hon'ble Supreme Court judgment dated 2.08.2017 passed in Common Cause Vs Union of India WP(C) 114 of 2014
15. Proposal of re-grassing the mining area and any other area which may have been disturbed due to the mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna, etc. in compliance to the direction dated 8th January 2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No.114/2014, Common cause vs Union of India & Others.

Item No.07 Environmental Clearance application for the Laterite Building Stone Quarry of Sri. Jabir C. P. for an area of 0.0971 Ha at Block No: 91, Re-Survey No: 3/597 at Kalliad Village, Iritty Taluk, Kannur (SIA/KL/MIN/454073/2023, 2509/EC4/2024/SEIAA)

As invited Sri. Abdhul Asees on behalf of project proponent Sri. Jabir C P and the RQP Sri. V.K. Roy were present. The RQP made the presentation. As per the application, the available quantity proposed for mining is 13,351 MT with a recoverable quantity of 9346 MT. The life of mine is 1 years. The nearest house is 57.4m. The depth to the water table is 6m below ground level at 192m AMSL. The distance to medium hazard zone is 1.73km. The total project cost is Rs. 3,68,750/-. **Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:**

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

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

Item No.08 Environmental Clearance for the Laterite Building Stone quarry project of Sri. Nassar E.L., for an area of 0.0971 Ha, at Survey No. 96/pt20 in Ambalathara Village, Hosdurg Taluk, Kasaragod (SIA/KL/MIN/454516/2023, 2510/EC4/2024/SEIAA)

As invited, Sri Sarath Kumar, on behalf of the project proponent Sri. Nassar E.L. and the RQP Sri. A. Mahammad Kunhi were present. RQP made the presentation. The total mineable reserve is 6807 MT with a recoverable quantity of 4084 MT. The life of mine is 1 year. The project cost is Rs. 10 Lakh. The distance to the nearest built structure is 65 m. The highest elevation of the permit area is 109 m MSL and the lowest is 106 m MSL. The depth to water table is 12m bgl at 114m AMSL. As per the cluster certificate dated 29/11/2023, there is no cluster situation. The high hazard zone is at a distance of 5.63 km and the moderate hazard zone is at a distance of 17.07 km. **Based on discussion, the Committee decided to recommend EC for mine life of 1-year subject to the following Specific Conditions in addition to the General Conditions:**

1. Instead of financial support, essential equipment supports equivalent to the financial support earmarked should be provided to the Pain and Palliative Care as part of CER
2. Intensive dust suppression measures should be adopted to prevent dust pollution, as there is a solar plant at 300m radius.
3. The excavation activity should not involve blasting.
4. The excavation activity should be restricted to 2m above the groundwater table at the site.
5. The excavation activity should not alter the natural drainage pattern of the area
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
10. Workers/laborers should be provided with facilities for drinking water and sanitation.
11. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
12. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.

13. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
14. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
16. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
17. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).

Item No.09 Environmental Clearance application for the Laterite Building Stone Quarry of Sri. Shaji M. M., for an area of 0.0971 Ha in Re-Survey No: 60/146 at Payam Village, Iritty Taluk, Kannur (SIA/KL/MIN/454544/2023, 2514/EC4/2024/SEIAA)

As invited the project proponent, Sri. Shaji M. M. and RQP V. K. Roy were present. The RQP made the presentation. The total quantity proposed for mining is 8496 MT with a recoverable quantity of 5,947MT. The life of mine is 1 year. The depth to water table is 8m below ground level at 78m AMSL. The total project cost is Rs. 3,56,100. The nearest house is at a distance of 168m. The medium hazard zone is at a distance of 3.45km. **Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:**

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

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

Item No.10 Environmental Clearance application for the Laterite (Building Stone) Quarry of Sri. V. T. Joseph for an area of 0.1942 Ha at Block No: 064, Re-Survey No: 100/6080 in Thimiri Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/454922/2023, 2512/EC4/2024/SEIAA)

As invited, Sri. Akhil Joseph, on behalf of the project proponent Sri. V. T. Joseph and the RQP Sri. V. K. Roy were present. The RQP made the presentation. The total mineable reserve is 19,420 MT with an annual production of 6,797 MT. The life of mine is 2 years. The total project cost is Rs. 6,12,000/-. The depth to the water table is 7m below the ground level at a 171 m AMSL. The mining is proposed up to a depth of 4m. The nearest house is at a distance 104.9m. The high hazard zone is at distance of 3.9 km and the medium hazard zone is at distance of 64.1m. **Based on discussion, the Committee decided to recommend EC for mine life of 2 years subject to the following Specific Conditions in addition to the General Conditions:**

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

14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).

Item No.11 Environmental Clearance application for the Laterite (Building Stone) Quarry of Sri. Santhosh Kombrain, for an area of 0.1943 Ha. at Block No:42, Re-Survey No:35/966 in Panappuzha Village, Payyannur Taluk, Kannur (SIA/KL/MIN/455037/2023, 2502/EC4/2024/SEIAA)

As invited, Sri Shaiju E, on behalf of the Project proponent Sri. Santhosh Kombrain and the RQP Sri. V. K. Roy were present. The RQP made the presentation. The total quantity proposed for mining is 21,860 MT with an annual production of 6,797 MT in the first year and 8,505MT in the second year. The life of mine is 2 years. The depth to the water table is 7m below ground level at 118m AMSL. The total project cost is Rs 6,84,400/-. The distance to high hazard zone is 4.9km and the distance to medium hazard zone is 2km. The committee observed a build structure near to the proposed area. **Based on discussions the committee decided to direct the project proponent to submit clarification regarding the distance to the building near to the project area along with survey map certified by the Village Officer.**

Item No.12 Environmental clearance for the Granite Building Stone Quarry of Sri. Udayan. S over an extent of 0.9882 Ha at Re-Survey No.324/1-2pt, 320/7-2pt & 324/2pt in Veliyam Village, Kottarakara Taluk, Kollam. (SIA/KL/MIN/455590/2023, 2503/EC1/2024/SEIAA)

As invited the project proponent Sri Udayan. S and RQP V.K Roy were Present. The RQP made the presentation. As per the application, the total mineable reserve is 1,64,485 MT. The life of mine is 3 years. The highest elevation of the permit area is 104 m above MSL and the lowest is 86 m above MSL. The moderate hazard zone is 26 Km away from the permit area. The total project cost is Rs 1.03 crore. As per the cluster certificate dated 05/12/2023, there is no cluster situation. The nearest built structure is at a distance of 55.1m. The Kallada irrigation Canal is found at a distance of 63.5 m. The depth to water table is 10m bgl as per the presentation made. The low hazard zone is at distance of 3.3km and high hazard zone is at a distance of 26km. The medium hazard zone is located away at 10.00 km from the proposed area. **Based on discussions the committee decided to direct the project proponent to submit the following additional documents:**

1. NOC from the Irrigation Department.
2. The current land use given seems to be wrong and hence needs revision.
3. Proof of stakeholder consultation for CER.
4. Depth to water table in the nearest dug well along with geo-tagged photograph of the well, elevation of the well site and distance to the well from the project boundary.

5. Compensatory afforestation plan along with geotagged photograph of the proposed site, species proposed to be planted and ownership details of the land

Item No.13 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Abdul Kareem for an area of 0.8499 Ha at Survey No.77/2B-1, 77/2C, 77/6 in Thirumittacode -1 Village, Pattambi Taluk, Palakkad. (SIA/KL/MIN/456000/2023, 2515/EC4/2024/SEIAA)

As invited, the project proponent Sri. Abdul Kareem and the RQP Dr. Nazar Ahammed were present. The RQP made the presentation. The total mineable reserve is 1,06,237.5 MT with recoverable quantity of 74366.25MT. The life of mine is 3 years. The highest elevation of the permit area is 57m above MSL and the lowest is 51m above MSL. The total project cost is Rs. 30 lakh. The depth to water table is 8m below ground level at 44m AMSL. The distance to high hazard zone is 15.86 km and distance to moderate hazard zone is 13.32 km. As per the cluster certificate dated 11/12/2023, there is no cluster situation. The proposed depth of mining is 5.5m. **Based on discussion, the Committee decided to recommend EC for mine life of 3 years subject to the following Specific Conditions in addition to the General Conditions:**

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

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

Item No.14 Environmental Clearance application for the Laterite Building Stone Quarry project of Sri. Vinod V., for an area of 0.1943 Ha at Block No. 28 Re-Survey No: 149/101 in Kankol Village, Payyannur Taluk, Kannur (SIA/KL/MIN/456236/2023, 2506/EC4/2024/SEIAA)

As invited the project proponent Sri. Vinod V. and the RQP Sri. V.K Roy were Present. The RQP made the presentation. The mineable reserve is 17,002 MT with a recoverable quantity of 10,201 MT. The life of mine is 1 year. The total project cost is Rs. 3,57,250/-. Depth to water table 10 m below ground level. The distance to the nearest built structure is 130m. The medium hazard zone is at a distance of 6.80km. Average depth of mining is 3.5m. The cluster certificate dated 18/12/2023, there is no cluster situation. **Based on discussion, the Committee decided to recommend EC for mine life of 1-year subject to the following Specific Conditions in addition to the General Conditions:**

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

Item No.15 Environmental Clearance application for the Laterite (Building Stone) Quarry project of Sri. V. K. Vijayan, for an area of 0.0972 Ha. at Block No: 138, Re-Survey No. 368/49 in Chuzhali Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/456681/2023, 2513/EC4/2024/SEIAA)

As invited project proponent Sri. V. K. Vijayan and the RQP Sri.V.K Roy were Present. The RQP made the presentation. The total mineable reserve is 13,365MT with a recoverable quantity of 9,356 MT. The life of mine is 1 year. The distance to the nearest house is 85.7m. The depth to water table is 6m below ground level at 146 m above MSL. The total project cost is Rs. 4,14,600/-. The distance to high hazard zone is 9.8km and the distance to medium hazard zone is 1.14km. The proposed depth of mining is 5.5m. **Based on discussion, the Committee decided to recommend EC for mine life of 1-year subject to the following Specific Conditions in addition to the General Conditions:**

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

Item No.16 Environmental Clearance application for the Laterite Building Stone Quarry project of Sri. Sujith C. S. for an area of 0.0971 Ha at Block No: 91, Re-Survey No. 46/1204 in Kalliyad Village, Iritty Taluk, Kannur (SIA/KL/MIN/456785/2023, 2516/EC4/2024/SEIAA)

As per the decision of the 158th SEAC meeting, the Project Proponent was invited for presentation, but the proponent was absent with prior intimation vide e-mail dated 04th May 2024. **Hence the Committee decided to defer the proposal for hearing in the subsequent meeting.**

Item No.17 Environmental Clearance application for the Laterite Building Stone Quarry of Sri. Venu Nair P.P, for an area of 0.0971 Ha, at Re survey No.45/1PT14 in Pullur Village, Hosdurg Taluk, Kasaragod (SIA/KL/MIN/457294/2024, 2508/EC4/2024/SEIAA)

As invited, Sri Girish B was present on behalf of the project Proponent Sri. Venu Nair P.P. The RQP A. Mahammad Kunhi made the presentation. The total mineable reserve is 6117MT with a recoverable quantity of 3670MT. The life of mine is 1 year. The highest elevation of the permit area is 89m AMSL and the lowest is 87m AMSL. The depth to water table is 11m below ground level. The depth of mine is 4m. The total project cost is Rs 10 lakh. The high hazard zone is at a distance of 10.45 km and the moderate hazard zone is at a distance of 22.83 km. The distance to nearest built structure is 113.76m. As per the cluster certificate dated 06/12/2023, there is no cluster situation. **Based on discussion, the Committee decided to recommend EC for mine life of 1-year subject to the following Specific Conditions in addition to the General Conditions:**

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

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

Item No.18 Environmental Clearance for the Granite building stone quarry project of M/s. Crushed Metal Products, Managing Partner, Sri Aju Varghese for an area of 0.8250 Ha, at Re-Survey Nos. 329/3, 329/4, 329/6, 336/2, 330/8, 336/6 of Vellinezhi Village, Ottappalam Taluk, Palakkad. (SIA/KL/MIN/457432/2024, 2507/EC2/2024/SEIAA)

As invited the project proponent Sri Aju Varghese and RQP Dr. Nazar Ahammed were present. The RQP made the presentation. The total mineable reserve is 2,17,770 MT with an annual production of 54442.5 MT. The life of mine is 4 years. The highest elevation of the permit area is 120m above MSL and the lowest is 100m above MSL. The total project cost is Rs. 1.30 crore. The nearest built structure is located at distance of 152.30m. The distance to moderate hazard zone is 6.68 Km and the distance to high hazard zone is 17.97km. **Based on discussion, the committee decided to direct the project proponent to submit the following additional documents:**

1. Depth to water table in the nearest dug well along with geo-tagged photograph of the well, elevation of the well site and distance to the well from the project boundary.
2. The committee observed that there is functional quarry at a distance of 65m. But, the Cluster Certificate dated 08/12/2023 doesn't mention about the same. Hence, the committee decided to direct the project proponent to submit revised Cluster Certificate form the Mining and Geology Department considering all the working quarries, quarries that were not issued mine closure certificates and the quarry projects for which LoI were issued within a radius of 500m radius.

Item No.19 Environmental Clearance for the Laterite (Building Stone) Quarry of Sri. Muhammed Ali for an area of 0.4046 Ha at Block No.38, Re Survey No: 372/12 in Oorakam Village, Tirurangadi Taluk, Malappuram. (SIA/KL/MIN/457543/2024, 2504/EC1/2024/SEIAA)

As invited by the project proponent Sri. Muhammed Ali and the RQP V. K. Roy were present. The RQP made the presentation. The total production of the mine is 50,576 MT with annual production of 16,863MT in the first two years and 16850MT in the third year. The life of mine is 3 years. The total project cost is Rs 12,90,150/-. A temple is located at a distance of 52.4m and the distance to nearest house is 62.9m. The depth to water table is 7m below ground level at 125m above MSL. The distance to medium hazard zone is 2 km. As per the cluster certificate dated 27/11/2023, there is no cluster situation. **Based on discussions the**

committee decided to direct the project proponent to submit the following additional documents:

1. Revised CER as per the guidelines published on SEIAA website.
2. Depth to water table in the nearest dug well along with geotagged photograph of the well, the elevation of the well location and distance to the well from the project boundary.
3. Revised EMP incorporating management of mine waste and augmentation of ground water table.

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

Item No.01 Environmental Clearance for the proposed quarry project of Sri. Vinu Mani, Mng. Partner, M/s. Paramount Granites at Sy. Nos. 223 pt, 223/2, 223/6 pt, 118/14 pt, & 118/15 in Vandazhi - I Village, Alathur Taluk, Palakkad. (SIA/KL/MIN/308007/2024, 664/SEIAA/EC1/5179/2014)

As invited the project proponent Sri. Vinu Mani and the RQP Dr. Nazar Ahammed were present. The RQP made the presentation. As per the EC No. 664/SEIAA/EC1/5179/2014 dated 18/08/2017, the maximum production capacity was 3,00,000 TPA with a mine life of 7-8 years. As per the lease order the annual production proposed is 2,60,000 MT for about a period of 6 years. As per the Scheme of Mining dated 25.08.2023, the life of mine is about 15 years in the Scheme of mine. As per the revised mining plan, the proposed project area is 3.8669Ha. The total project cost is 4crore. The balance mineable reserve is 14,94,523 MT with an annual production of 1,00,000 MT. The distance to nearest house is 72.6m. The highest elevation of the proposed area is 115m above MSL and the lowest elevation is 100m above MSL. The mining is proposed up to 70m above MSL. The depth to water table is in 8.2m bgl. The subcommittee conducted field inspection on 27/09/2022. Based on discussion, the Committee decided to recommend EC for 12 years subject to the following Specific Conditions in addition to the General Conditions.

1. Mining should be limited up to a depth of 90m above MSL as groundwater table is not encountered up to that depth.
2. The green belt should be initiated prior to the commencement of mining using indigenous species.
3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration

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

PARIVESH FILES

PART – 3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01 Environmental Clearance for the Proposed Granite Building Stone Quarry Project of Sri. Rajesan K, Managing Director, M/s Kodancheri Granites and Stones Pvt.Ltd, for an area of 4.3073 Ha at Re-Survey Nos.159/3208, 159/3209, 159/5172, 159/8673, 159/8746, 159/8747, 159/8556, 159/8557, 159/8709, 159/4875, 159/7525, 159/8745 in Nellipoyil Village, Thamarassery Taluk, Kozhikode (SIA/KL/MIN/406104/2022 2173/EC4/SEIAA/2022)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. The total mineable reserve is 1669110.5 MT and the average annual production is 104319.4 MTA. The life of mine is 16 years. The highest elevation is 252m and the lowest elevation is 150m. The depth of mining is proposed up to 140m above MSL. The depth to the water table is 8m bgl. The Malabar Wildlife Sanctuary is at 12.89 km. The distance to Malabar Wildlife Sanctuary is 11 km. The area falls within the moderate hazard zone and the distance to High Hazard Zone is 2.32 Km. The Proponent submitted NoC dated 4.4.2024 from the District Level Crisis Management Committee for mining. As per the Cluster Certificate dated 22/10/2022, there is no working quarry within 500m radius. The nearest built structure is at 50m and nearest house is at 204m from the project boundary.

Based on discussions the Committee decided to recommend EC for 16 years subject to the following specific conditions in addition to the general conditions:

1. The project proponent has to comply with all conditions in the NOC of the District Crisis Management Group
2. Mining should be limited to 150m above MSL as part of precautionary safe-guard to prevent formation of mining pit
3. The EMP submitted should be implemented strictly in accordance with the EMP budget estimate submitted on 2.4.2024.
4. A bund of height about 1.5m height and 1.5 m width should be constructed at around 60m from toe of the quarry to prevent rolling down of boulders. Appropriate drainage facility should be provided to avoid water logging due to the proposed bund.
5. Trenches of 2m width and 1m depth should also be provided at the bottom portion of the mine in the inner side of bund to arrest the rolling of boulders, which should be designed to facilitate drainage as well.
6. Adequate care should be taken to minimize the disturbance to flora and fauna considering the rich biodiversity status of the area.
7. Gabion-type retaining wall of appropriate height should be provided at the overburden dumping site.

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

Item No.02 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Manikandan K., for an area of 0.1943 Ha. at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur.
(SIA/KL/MIN/429142/2023, 2280/EC4/2023/SEIAA)

The committee examined the additional document as sought in 159th SEAC meeting as per the direction of 137th SEIAA meeting. The committee observed that there is no combined agreement and no responsibility sharing stated in the Comprehensive EMP for the adjacent projects, viz., SIA/KL/MIN/429142/2023, SIA/KL/MIN/429176/2023 and SIA/KL/MIN/429187/2023. Further, CER activities are not incorporated in the EMP. **Therefore, the proponent is directed to submit a sworn affidavit by the three project proponents indicating the responsibility sharing and cost sharing required for implementation of the comprehensive EMP.**

Item No.03 Environmental Clearance application for the Laterite Building Stone Quarry project, of Sri. Santhosh Kumar K. for an area of 0.1943 Ha. at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur (SIA/KL/MIN/429176/2023, 2291/EC4/2023/SEIAA)

The committee examined the additional document as sought in 159th SEAC meeting as per the direction of 137th SEIAA meeting. The committee observed that there is no combined agreement and no responsibility sharing stated in the Comprehensive EMP for the adjacent projects, viz., SIA/KL/MIN/429142/2023, SIA/KL/MIN/429176/2023 and SIA/KL/MIN/429187/2023. Further, CER activities are not incorporated in the EMP. **Therefore, the proponent is directed to submit a sworn affidavit by the three project proponents indicating the responsibility sharing and cost sharing required for implementation of the comprehensive EMP.**

Item No.04 Environmental Clearance for the Laterite (Building Stone) Quarry project of Sri. M. Rajan, for an area of 0.1943 Ha. at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur
(SIA/KL/MIN/429187/2023, 2277/EC4/2023/SEIAA)

The committee examined the additional document as sought in 159th SEAC meeting as per the direction of 137th SEIAA meeting. The committee observed that there is no combined agreement and no responsibility sharing stated in the Comprehensive EMP for the adjacent projects, viz., SIA/KL/MIN/429142/2023, SIA/KL/MIN/429176/2023 and SIA/KL/MIN/429187/2023. Further, CER activities are not incorporated in the EMP. **Therefore, the proponent is directed to submit a sworn affidavit by the three project proponents indicating the responsibility sharing and cost sharing required for implementation of the comprehensive EMP.**

Item No.05 Environmental Clearance for the mining of Ordinary Earth project of Sri. Eliyas, for an area of 0.2895 Ha at Survey Nos.535/2,535/2-1 in Velloor Village, Vaikom Taluk, Kottayam (SIA/KL/MIN/431975/2023, 2378/EC4/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. The project proponent has submitted the latest work order for supply of red earth. The depth to water table is 28m below ground level. The total mineable reserve is 34,250 MT. The life of mine is 1 year. The highest elevation is 62 m MSL and the lowest elevation is 48 m MSL. The total project cost is Rs.10 lakh. The Committee noted that the nearest house is at a distance of 37.8 m. **Based on discussions, the Committee decided to recommend EC for a period of 1 year subject to the following specific conditions in addition to the general conditions:**

1. Depth of mining should be limited to 50m AMSL considering the depth to water table
2. A buffer of 50 m shall be kept from the boundary of the project to the nearest house situating at 37.8m
3. The excavation activity should not involve blasting.
4. The excavation activity should be restricted to 2m above the groundwater table at the site.
5. The excavation activity should not alter the natural drainage pattern of the area
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
10. Workers/laborers should be provided with facilities for drinking water and sanitation.
11. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
12. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
13. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
14. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
16. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
17. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm)

Item No.06 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Rafeeq P K for an area of 0.7772 Ha at Block No. 18, Re Survey No: 479/1 in Vazhakkad Village, Kondotty Taluk, Malappuram. (SIA/KL/MIN/435779/2023, 2336/EC6/2023/SEIAA)

The Committee discussed the proposal and the Judgment 19.04.2024 in WP(C) No.15137/2024 filed by the Project Proponent before Hon'ble High Court. The Hon'ble High Court disposed the case directing the 1st Respondent (SEAC) to consider the petitioner's case in the next meeting and pass orders within a period of six weeks, after the decision is taken by the Committee. The Committee verified the additional documents and found them satisfactory. The Committee noticed that there is a complaint against the mining in the Mudakoimala area submitted by the local residents and it was decided to defer the decision on the proposals from that area after hearing the Complainants. Though the Complainants are called for hearing, they informed their inability to attend the hearing as they have another case in an Hon'ble Court and therefore, the Committee decided to defer the hearing to the next meeting. Considering the direction of the Hon. Court, the Committee examined whether a decision on the proposal will affect the Complainants adversely. As per google satellite image, the Mudakoimala and the proposed site are located at two different locations on top of a U-shaped hill-ridge and the direct distance between the two sites is around 800m. The elevation of Mudakoimala is 127m above MSL and that of the proposed site is 145m above MSL and there is valley in between at 60m above MSL. The approach roads to Mudakoimala and the proposed site are different and in different directions. Considering all these, it is inferred that mining in the proposed site will not adversely impact the complainants of Mudakoimala if adequate safeguards are taken by the Proponent. **In the circumstance, the Committee decided to take a decision on the project considering the direction of the Hon. High Court and the nature of the complaint submitted by the Mudakoimala natives to the District Collector.**

The total mineable reserve is 74806 MT with an annual production of 37403 MTA. The life of mine is 2 years. The total project cost is Rs.20.5 lakh. The depth to water table is 8m below ground level and maximum depth of mining is 6m below ground level. The site does not fall in the landslide hazard zone. **In the circumstance, the Committee decided to recommend environmental clearance to the project for two years subject to the following specific conditions in addition to the general conditions.**

1. The topsoil, estimated to be of the order of 7772 MT should be stored in a plain land with retaining wall around so that it will not be carried to the adjacent low lands during heavy rainfall.
2. A temporary wall of 3m height should be erected all around the site to prevent dust pollution to the nearby areas
3. The mine area and the haulage road should be maintained dust-free by frequent sprinkling of water
4. Holding of rainwater in the mine pit should be prevented to avoid possibility of soil piping and accidental outflow.

5. The excavation activity should not involve blasting.
6. The excavation activity should be restricted to 2m above the groundwater table at the site.
7. The excavation activity should not alter the natural drainage pattern of the area
8. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
10. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
11. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
12. Workers/laborers should be provided with facilities for drinking water and sanitation.
13. 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.
14. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
15. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area before the commencement of mining.
16. 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.
17. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
18. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
19. 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).

Item No.07 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 discussed the report of the evaluation of the EIA report and the field inspection conducted on 21/03/2024. As per the application, the total mineable reserve is 3316864.925 MT with an annual production of 165834 TPA. The life of mine is 20 years. The highest elevation of the area is 280 m AMSL and lowest is 160 m AMSL. The distance to the high hazard zone is 0.67 km. The nearest habitation is at 211 m towards the eastern side. The public hearing was conducted on 07.06.2023. The total project cost is Rs.3,51,25,397/-. The committee noted the following salient aspects in the EIA evaluation report and field inspection report.

1. Huge quantity of soil is dumped near the boundary of the proposed site allegedly by another mine operator located adjacently. This poses a serious threat of accident/disaster
2. CER is not with adequate stakeholder consultation and without O&M provision
3. Non-assignment certificate submitted is not legible
4. Topsoil and overburden to the tune of 42002.4 m³ and 22910.4 m³ respectively are proposed to be dumped separately at the eastern part of the lease area (Sy No.430/1pt843). The details of the type of protection for the dump and reuse of the dump after mining is not stated
5. The life of mine is given as 20 years in the application and EIA report, but production and development plan is given only for 10 years.
6. Road development plan is not provided
7. Specific study proposed for landslide proneness is not done. Instead, the EIA report quotes the details given in the NCESS report. Detailed site-specific study based on slope map, digital elevation model and other parameters influencing possible landslides is necessary
8. Specific study proposed for soil piping is inconclusive. The report describes the theoretical aspects and states that a reconnoiter study was conducted using the electromagnetic method. The map showing the result does not give the units of the x-axis and y-axis and lack specific interpretation. No site specific study conducted for mapping the drainages from the first order, obstructions and discontinuities, possible zones conducive for soil piping.
9. Specific study proposed to assess vibration impact is not found conducted based on field level vibration study
10. Surface cum geological cross-sections do not provide distance values in the x-axis, thereby slope analysis/assessment is not possible
11. Land proposed for Compensatory afforestation is already vegetated
12. Distance to Wildlife Sanctuary, National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed) is not given.
13. Detailed drainage plan incorporating garland drain, silt traps, settling ponds and connectivity of overland flow to natural drain
14. Agreement with other quarries in the cluster to avoid simultaneous blasting
15. Selection of baseline monitoring locations are not as per the EIA guidelines for mining
16. ToR 4 is not addressed adequately as all the corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area is not provided. Such an imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone)
17. ToR 7- It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors. If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or

forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large may also be detailed in the EIA Report- It needs to be redrafted as per ToR.

18. ToR 8- Issues relating to Mine Safety, including slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided- The cross-section maps prepared for slope analysis do not indicate the distance and therefore, it cannot be validated. It is also desirable to conduct slope analysis using digital elevation model and ortho-map generated based lidar based survey.
19. ToR 9-The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period. Attempted to consider overburden and top soil of other two quarry in the cluster but it is not found adequate to cover the ToR
20. ToR 15- The vegetation in the RF / PF areas in the study area, with necessary details, should be given- Not given
21. ToR 22- Site-specific meteorological data should also be collected- This is not done.
22. ToR 23- Air quality modelling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modelling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing predominant wind direction may also be indicated on the map- This is not found provided as envisaged in the ToR.
23. ToR 24- The source of water, their sustainable yield potential etc are not given
24. ToR 25- Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided- It is not found provided
25. ToR 26- Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided- It is not found provided as envisaged in the ToR.
26. ToR 27-Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided- It is not found provided as envisaged in the ToR
27. ToR 33-Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report- It is not found provided as envisaged in the ToR
28. ToR 34- Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report- It is not found detailed as envisaged in the ToR
29. ToR 35 Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical

examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed-It is not found detailed as envisaged in the ToR

30. ToR 36-Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations- It is not found included as envisaged in the ToR
31. ToR 37- Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation- It is not found given as envisaged in the ToR
32. ToR 38- Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project- It is found mostly generalized, both description of environmental issues and mitigation measures.

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

1. Revised CER with adequate stakeholder consultation and O&M provision for the mine life
2. Legible non assignment certificate
3. Type of protection and reuse plan of the overburden and top soil dump after/during mining
4. Clarification regarding life of mine
5. Detailed road development plan
6. Detailed site specific study on landslide proneness based on slope map, digital elevation model and other parameter influencing possible landslides
7. Conclusive specific study proposed for soil piping based on mapping of the drainages from the first order, obstructions and discontinuities of drainages, possible zones conducive for soil piping etc.
8. Specific study proposed to assess vibration impact based on field level vibration study
9. Slope analysis/assessment based on surface cum geological cross-sections by providing distance values in the x-axis
10. Alternate plan for compensatory afforestation along with geotagged photographs of the alternate site, ownership details and species proposed as the land proposed is vegetated
11. Distance to ecologically sensitive areas such as wildlife sanctuary, National Parks etc.
12. Detailed drainage plan incorporating garland drain, silt traps, settling ponds and connectivity of overland flow to natural drain
13. Agreement with other quarries in the cluster to avoid simultaneous blasting
14. Baseline monitoring data from monitoring stations located as per the EIA guidelines for mining

15. Clarification for the huge soil dump at the boundary of the proposed site and the possibility for removing the same.
16. Revised study and reporting of various aspects as envisaged in ToR 4, ToR 7, ToR 8, ToR 9, ToR 15, ToR 22, ToR 23, ToR 24, ToR 25, ToR 26, ToR 27, ToR 33, ToR 34, ToR 35, ToR 36, ToR 37, ToR 38.

Item No.08 Environmental Clearance for Granite Building stone quarry of Sri. Bissy Kunjappan for an area of 2.1361 Ha at block no: 5, Resurvey no 209/1,220/2, in Kodanad Village, Kunnathunad Taluk, Ernakulam. (SIA/KL/MIN/444781/2023, 2414/EC1/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the application, the total mineable reserve is 901513 MT and the life of mine is 10 years. The highest elevation of the permit area is 42 m AMSL and lowest is 26 m AMSL. The depth to water table is 7m below ground level. The distance to high hazard zone is 7.6 km and to the moderate hazard zone is 2.61 km. The total project cost is Rs.2.25 crores. **Based on discussion, the committee decided to forward the proposal to SEIAA Secretariat for seeking legal opinion on the complaint dated 06/02/2023 submitted by Sri. Ashokan K.P and Sri. Chandralal M.S against the quarrying activities in the proposed site. In the complaint, it is stated that the proposed area is a rubber plantation and there was stay for conducting blasting activities as per the order of the Munsiff Court in O S No. 387 of 2003 dated 25.06.2006.**

Item No.09 Environmental Clearance for the Proposed Residential Project of M/s Good Earth India Infra (P) Ltd at Sy.No 587/25-2-2, 587/25-4, 587/25-3, 587/25-3-2, 587/23, 587/24, 587/25, 587/61, 587/6 in Cheranellur Village & Panchayat, Kanayannur Taluk, Ernakulam. (SIA/KL/INFRA2/453455/2023, 2471/EC1/2023/SEIAA)

The Committee examined the proposal and discussed the field inspection report conducted on 26/03/2024. As per the application, the total built-up area of the project is 25,632.6m² in plot area of 0.5034 ha, for the construction of 68 Apartments (4 BHK) & amenities. The maximum height of the building is 59.90m. The total project cost is Rs. 55.73586 crores. The distance from Mangalavanam Bird Sanctuary is 6.50 km and it is informed that application for Wildlife Clearance is submitted to the SCNBWL. **Based on discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application:**

1. Details of precautions taken before discharging the storm water to Muttar river along with detailed storm water management plan.
2. Revised CER as per the guidelines published in the SEIAA website
3. Yield potential of the proposed wells
4. Details of the existing trees to be cut and the compensatory afforestation plan proposed.
5. Details of flood level at the site and its impact

6. Details of the management of construction and demolition waste considering anticipated demolition.
7. Water quality characteristics of water in the existing wells
8. Assess the feasibility of bottom sealed radial wells to meet the water requirement as a measure for preventing saline water intrusion in the long-run.

Item No.10 Environmental Clearance for the existing Steel making and Rolling Mill by Sri. Moidu K E at Sy. No. 50 (Part), 53 (Part), 54 (Part), 55 (Part), 56 (Part) and 58 (Part) in Cheruvanoor Village, Kozhikode Taluk , Kozhikode. (SIA/KL/IND1/439827/2023, 2209/EC4/2023/SEIAA)

The Committee examined the application submitted by Sri. Moidu K.E. and the EIA report and Environmental Management Plan and discussed the field inspection report conducted on 03/04/2024.. It is noted that as per S.O.3250 (E) dated 20.07.2022 of MoEF&CC, public consultation is exempted for the proposed activity. The proposed production capacity is 100 TPD of MS Billets and 110 TPD of TMT Bars. The nearest habitation from the plant site is Nallalam village at a distance of 100m in the NW direction (as in PFR). The total water requirement is 120.5 KLD. The total project cost is Rs. 5350 lakh. The land area is 2.18 Ha. The Project cost is 5350 Lakhs. The Kadalundi Bird Sanctuary is located at a distance of 8.73Km. The committee noted the following salient aspects in the field.

1. Presently the industry is equipped with (1) Induction Furnaces (2) Re- Heating Furnaces (s) Re-Rolling Mills and (4) Continuous casting machines.
2. MS Scrap, Sponge Iron, and Ferro Alloys are used as the raw materials
3. Nallalam village is 0.01 km north-west of the industry.
4. High Tension electric lines pass through the site and the 220 KV Nallalam substation is 40 meters west to the industry.

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

1. Precipitation details over three months as per guidelines
2. Details of yearly runoff of water from the project site (secondary data) and a proposal for improving the rainwater harvesting facility to reduce the dependency on public water sources (KWA).
3. Detailed water balance statement (A mismatch between water requirement and its source is noted)
4. Consent from the KWA regarding the dedicated supply of water for the project.
5. Quantity of raw material requirement and detailed material balance statement as there is a mismatch noted in the data provided.
6. Maximum credible accident analysis and appropriate management measures.
7. Details of stack monitoring and its capacity enhancement plan
8. Details of proposed energy conservation measures and renewable energy generation
9. Details regarding sources of effluents, treatment process, sludge generation, and sludge management processes.

10. A revised CER proposal as per the guidelines uploaded in the SEIAA-Kerala website
11. Legible schematic map of the multi-layer green belt proposed to be developed at the site.
12. Revised compensatory afforestation plan as the location proposed for it at present seems to be part of wetland.
13. Confirmation on the concentration of PM 2.5 and PM 10 within and adjacent regions to the project site as the values shown are much lower than that in an industrial environment
14. Proposed plan for dust suppression at strategic locations within the site.
15. Proposed noise level control measures considering the high noise level at the rolling mill installations
16. Proposal for slag management considering the possibility of higher proportion of toxic heavy metals in it.
17. Details of safety measures for the workforce at different phases of the plant.

**Item No.11 Integrated Clearance for CRZ & Environment Clearance Proposed Special Residential (A2 Category as per KMBR) (Hotel, Resort project) to be developed by M/s Travancore Enterprises Pvt. Ltd. at Re-Survey Nos.19/6, 19/8,2911-1, 1911, 1912, Vizhinjam Village, Thiruvananthapuram Corporation, Neyyattinkara Taluk, Thiruvananthapuram.
(SIA/KL/INFRA2/420272/2023, 2231/EC1/2023/SEIAA)**

The Committee decided to defer the item for the discussion of the field inspection report in the next meeting.

**Item No.12 Environmental Clearance for the proposed Residential project to be developed by M/s Tektoninfra India Pvt. Ltd at Re-Survey Nos. 121/7, 121/5, 121/6, 126/2, in Pantheerankavu Village, Olavanna Panchayat, Taluk Kozhikode, Kozhikode.
(SIA/KL/INFRA2/431555/2023, 2302/EC4/2023/SEIAA)**

The Committee examined the additional documents submitted by the project proponent dated 08-05-2024 and found them satisfactory. As per the application, the total plot area is 1.35 ha. and total built-up area is 64,816.14 sq.m. for 272 residential units. The Chaliyar river is at 170m from the project site. The project cost is 96 crores. The Kadalundi Bird Sanctuary is located at a distance of 9.5 km away from the project site. The field inspection was conducted on 21.11.2023. **Based on discussion, the committee decided to recommend EC for 10 years for the project subject to the following specific conditions in addition to the general conditions.**

1. The CER expenditure proposed and agreed by the Project Proponent should be expended through a separate bank account and the account statement and the beneficiary list should be uploaded along with half yearly compliance report.
2. The proposed STP of 200 KLD with MBBR technology and Tertiary Treatment should enable and ensure the re-use /recycle of treated water to the maximum extent and balance if any should be discharged through a series of soak pits for recharging the local ground water.
3. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
4. The Project Proponent should make provision for the housing of construction labour with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).
5. Climate responsive design as per Green Building Guidelines in practice should be adopted
6. The green building criteria notified in the GO (Ms) No. 39/2022/LSGD dated 25.2.2022 should be adopted
7. Vegetation should be developed appropriately on the ground as well as over built structure such as roofs, basements, podiums etc.
8. Exposed roof area and covered parking should be covered with material having high solar reflective index
9. Building design should cater to differently-abled citizens
10. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow
11. Design of the building should comply with Energy Building Code as applicable
12. Energy conservation measures as proposed in the application should be adopted in total
13. Buildings should be barricaded with GI sheets of 6 m. (20 feet) height so as to avoid disturbance to other buildings nearby during construction.
14. Construction work should be carried out during day time only.
15. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
16. All vehicles carrying construction materials should be fully covered and protected.
17. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
18. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
19. Occupational health safety measures for the workers should be adopted during the construction.
20. All vehicles during the construction phase should carry PUC certificate.

21. D.G. set should be provided with adequate stack height and regular maintenance should be carried out before and after the construction phase and would be provided with an acoustic enclosure.
22. Green belt should be developed along the periphery of the site with indigenous species.

The Committee also decided to notify the Authority to issue EC subject to CRZ Clearance, if required

Item No.13 Environmental Clearance for Granite Building Stone Quarry of Sri. Deepak Jose, Managing Director, M/s.Optimum Granites Pvt Ltd for an area of 2.1044 ha at Survey No. 274 in Thirumittacode-II Village, Pattambi Taluk, Palakkad. (Evaluation Report Received) (SIA/KL/MIN/415585/2023, 1418/EC1/2019/SEIAA)

The Committee examined the proposal and discussed the evaluation report. As per the mining plan, the mineable reserve is 603813MT, the average annual production is 60381.3 MTA and the mine life is 10 years. The highest elevation of the lease area is 160 m MSL and lowest is 115 m MSL. The depth to water table is 4m bgl. The nearest house is at 103m. There are no wildlife sanctuary within 10km from the project boundary and the proposed site does not fall in any landslide hazard zone. The Kochusheema Forest is at 588m on SW side and Erumapetty Forest Station is situated at 1.45km on the southern side. Considering the depth to water table, the mining should be limited to 115m above MSL. **Based on the above observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application.**

1. Plan along with sketch for draining out the water from the proposed quarry to natural drain.
2. Water quality of the stream water, where drain water from the quarry ultimately reaches.
3. Detailed Compensatory afforestation plan with the geo-coordinates and photographs of the proposed site, list of plant species (trees, shrubs, climbers, etc.), time frame, planting details, and a maintenance plan for the first five years.
4. Revised budget estimate for the EMP incorporating all the mitigation measures proposed and environmental monitoring required.
5. Depth to water table measured in the nearest dug well along with geo-tagged photograph of the well, relative relief of the well location, distance of the well from the project boundary.

PARIVESH FILES

PART – 4

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01 Environmental Clearance application for the Laterite (Building Stone) Quarry of Sri. Bijumon George, for an area of 0.1942 Ha at Re-Survey No: 109/106 in Peringome Village, Payyannur Taluk, Kannur (SIA/KL/MIN/423966/2023, 2259/EC4/2023/SEIAA)

The Committee discussed the field inspection report conducted on 23/02/2024. During the field inspection, the Subcommittee members visited several abandoned laterite quarries in the area and examined the post mining activities and mine closure plan. As per the application, the mineable reserve 13,594 MT and the life of mine is 1year. The depth to water table is 6 m below ground level. The distance to nearest house is 143.4m. the Project cost is Rs. 2.36 lakhs. The distance to moderate hazard zone is 1 km and distance to high hazard zone is 6.70 km. **Based on discussion, the Committee decided to recommend EC for a period of 1year subject to the following specific conditions in addition to the general conditions:**

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

15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)

PARIVESH 2.0

Item No.01 Environmental Clearance application for the Laterite Building Stone Quarry project of Sri. Jithesh Kumar A. E., for an area of 0.2920 Ha at Block No. 138, Re-Survey No. 365/5 in Chuzhali Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/459828/2024)

As invited the project proponent Sri. Jithesh Kumar A. E. and the RQP Sri. V. K. Roy were present. The RQP made the presentation. As per the application, the mine life is 3 years. The total minable reserve is 40,149 MT. The nearest built structure is 85.3 m from the project area. The depth to water table is 6m below ground level at 148m above AMSL. The total project cost is 6.975 lakhs. The distance from high-hazard zone is 9.6 km and from medium hazard zone is 1.1km. As per the Cluster Certificate dated 18/12/2023, there is no working quarries within 500m radius. **Based on discussion, the Committee decided to recommend EC for a period of 3 years subject to the following specific conditions in addition to the general conditions:**

18. The excavation activity should not involve blasting.
19. The excavation activity should be restricted to 2m above the groundwater table at the site.
20. The excavation activity should not alter the natural drainage pattern of the area
21. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
22. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
23. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
24. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
25. Workers/laborers should be provided with facilities for drinking water and sanitation.
26. 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.
27. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
28. 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.
29. 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.
30. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
31. Measures incorporated in the CER should be implemented within 6 months from the date of EC.

32. 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.02 Environmental clearance application for the Laterite Building Stone Quarry of Sri. Jithesh E., for an area of 0.1944 Ha at Block No: 70, Re-Survey Nos: 49/367, 49/482 in Nedyenga Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/459858/2024)

As invited the project proponent Sri. Jithesh E. and the RQP V. K. Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 26,730 MT and life of mine is 2 years. There are no houses within a 50 m distance of the project boundary. The depth to the water table is 6m below ground level at 168 m above MSL. The total project cost is 7.21 lakh. The distance from the high hazard zone is 6.3km and the medium hazard zone is 2.2km. The Cluster Certificate dated 15/12/2023, states that there is no working quarry within 500m radius. **Based on discussions, the Committee decided to recommend EC for a period of 2 years subject to the following specific conditions in addition to the general conditions:**

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

Item No.03 Environmental clearance for the Laterite Building Stone Quarry of Sri. Unnikrishnan for an area of 0.0967 Ha Survey No. 35/8B-271 of Karakurissi Village, Mannarkkad Taluk, Palakkad. (SIA/KL/MIN/459988/2024)

As invited the project proponent Sri. Unnikrishnan and the RQP, Dr. Nazar Ahammed were present. The RQP made the presentation. The life of mine is 1 year. The total mineable reserve 7252.5 MT. The highest elevation of the proposed area is 119m AMSL and the lowest elevation is 117m AMSL. The expected project cost is 10 Lakh. The nearest house is at a distance of 87.72 m. The depth to the water table is 9m bgl at 105 m above MSL. The high hazard zone is at a distance of 4.04 and the moderate hazard zone is at a distance of 3.62 km. The Cluster Certificate dated 29/01/2024, states that no working quarries within 500m radius. **Based on discussion, the Committee decided to recommend EC for a period of 1 year subject to the following specific conditions in addition to the general conditions:**

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

Item No.04 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. L Syju, M/s K Lekshmanan Company Infrastructures & Industries Pvt. Ltd., for an area of 1.4754 Ha at Block No. 40, Re-Survey Nos. 28/4pt (Govt Land), 28/8 and 28/3-1 (Pvt Land) in Nilamel Village, Kottarakkara Taluk, Kollam District. (SIA/KL/MIN/463911/2024)

As invited the project proponent Sri. L Syju, M/s K Lekshmanan Company Infrastructures & Industries Pvt. Ltd., and the RQP Gireesh G. R. were present. The RQP made the presentation. As per the application, the total mineable resource is 7,52,100 MT. The life of mine is 10 years. The project cost is Rs. 255 lakh. The highest elevation of the proposed area is 134m above MSL and the lowest elevation is 114 m above MSL. The high hazard zone is at distance of 28.2km. The depth to water table is 16m bgl. As per the Cluster Certificate dated 08/02/2024 there is no working quarries within 500m radius. **Based on discussion, the Committee observed the following shortcomings and decided to entrust Dr. Mahesh Mohan and Smt. Beena Govindan for field inspection and report.**

1. Revised CER as per the guidelines uploaded on the website of SEIAA-Kerala incorporating proof of stakeholder consultation, and need assessment of the proposed activity.
2. Valid NOC for the government land involved in the proposal
3. Proposal for regressing the mined-out area.
4. The area proposed for the compensatory afforestation program is already vegetated. Hence an alternate area should be identified and geo-tagged photographs of the identified area along with the affidavit of the land owner, if the land does not belong to the project proponent should be submitted.

Item No.05 Environmental Clearance for the Granite Building Stone Quarry Project of Sri Hamsa. M.K, Managing Partner, M/s. Kayiliad Granites, for an area of 1.7029 Ha at Re-survey Block No. 46, Re-Survey Nos. 316/1-2, 317/1, 317/4, 318/1-3 in Chalavara Village, Ottappalam Taluk, Palakkad District. (SIA/KL/MIN/456096/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the mineable reserve is 5,54,513 MT with an average annual production 85,000 MT. The life of mine is 7 years. The total project cost is 209 lakh. The depth to water table is 11.4m bgl. The highest elevation of the permitted area is 145m above MSL and the lowest elevation is 95m above MSL. The distance to high hazard zone is 29.62km and the distance to medium hazard zone is 6.03km. A canal is located at a distance of 139.1m from the proposed site. Reserve forest is located at a distance of 8.51km. Forest Junda is located at a distance of 103.1m and 129.2m. As per the cluster certificate dated 19/06/2023, there is only one working quarry with an area of 1.61 ha within 500m radius. **Based on discussion, the committee decided to invite the project proponent for presentation. The project proponent shall upload the presentation in the portal.**

Item No.06 Environmental Clearance for the proposed Building Stone Mine Quarry Project of Sri Muhammed Ali, for an area of 4.9876 ha at Block no. 37, Re-Sy. No. 9/1, 9/2, 9/3, 9/4, 9/4-2, 9/4-3, 9/5, 9/6, 10/1-1, 10/1-2, 10/1-3, 10/2-1, 10/3-1, in Oorakam Village, Thirurangadi Taluk, Malappuram District, Kerala. (SIA/KL/MIN/460888/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the mineable reserve is 29,60,414 MT with an annual production of 2,40,000 MT. The project cost is 7.3615 Crores. The ToR for the project was approved vide letter No. SIA/KL/MIN/436470/2023, 2316/EC6/2023/SEIAA dated 03/10/2023. The mine life is 13 years. The lowest elevation of the proposed area is 190 m above MSL and the highest elevation is 255 m above MSL. The distance to nearest habitation is 57 m. The committee observed that the site is located at a distance of 110m from medium hazard zone. The survey map submitted by the PP is of the year 2019. **Based on discussion, the Committee decided to entrust the sub-committee consisting Sri. S. Sheik Hyder Hussain and Dr. R. Ajayakumar Varma to evaluate the EIA report and conduct a field inspection and submit report.**

Item No.07 Environmental Clearance for the Granite Building Stone Quarry Project of Mr. Umerali. N, for an area of 0.8985 Ha at Re. Survey Nos. 1169/162, 1169/161, 1169/108 of Melmuri Village, Ernad Taluk, Malappuram District (SIA/KL/MIN/463740/2024)

The Committee examined the proposal and discussed it in detail. As per the application, total mineable reserve is 155874.30 MT with an average annual production of 77937.15MT. The mine life is 2 years. The depth to water table is 7m below ground level at 142 MSL. The lowest elevation of the permit area is 205 m above MSL and highest elevation is 225 m above MSL. As per the survey map dated 19/04/2022, there is no built structure within 100m. The total project cost is 1.5 crore. The distance to medium hazard zone is 51m. **Based on discussions the committee decided inform the project proponent regarding the shortcomings in the application and invite the proponent for presentation:**

1. Cluster Certificate form the Mining and Geology Department considering all the working quarries, quarries that were not issued mine closure certificates and the projects for which LoI were issued in the 500m radius
2. CER is to be revised according to the project cost as per the guidelines published on the SEIAA website.
3. The depth to water table in the nearest dug well with geo-tagged photograph of the well and the distance from the project area

Item No.08 Environmental Clearance for the Granite Building Stone Quarry project of Sri. Bijulal D, for an area of 2.4113 Ha at Re-Survey Block No.4, Re-Survey Nos. 199/11-2, 200/2, 200/4, 200/5 in Pattazhy Village, Pathanapuram Taluk, Kollam District. (SIA/KL/MIN/459288/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the mineable reserve is 5,75,430 MT with an average annual production of 1,15,000 MT. The life of mine is 5 years. The project cost is 2.56 crore. The highest elevation of the proposed area is 165m AMSL and the lowest elevation is 80m above MSL. The depth to water table is 6m bgl at 66 m above MSL. The high hazard zone is at a distance of 14.35 km and the medium hazard zone is at a distance of 7.4km. The KWA Water tank is located at a distance of 168m and KWA Pump house is located at a distance of 250m. The distance to nearest house is 146.1m. Two reserve forests are located at a distance of 6.37km and 6.7km distance from the project boundary. **Based on discussions, the Committee decided to entrust the sub-committee consisting of Smt. Beena Govindan and Dr. Mahesh Mohanan to conduct field inspection and submit report.**

Item No.09 Environmental Clearance for the Proposed Granite/Building Stone Quarry Project of Mr. Vinod Bhaskar, for an area of 0.5910 ha at Re-Survey no.391/5/4/10 Varappetty Village, Kothamangalam taluk, Ernakulam District. (SIA/KL/MIN/463487/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the total mineable reserve is 98,705 MT with a maximum annual production of 40,005 TPA. The life of mine is 3 years. The total project cost is Rs.65 Lakhs. The lowest elevation of the proposed area is 38 m RL and the highest elevation is 80 m RL. As per the mining plan, there are no residential buildings within 100m radius. The ToR for the project was approved vide letter SIA/KL/MIN/403837/2022, 2127/EC3/2022/SEIAA dated 15/02/2023. The committee found that the baseline monitoring data and ecology and biodiversity study are not seen enclosed with annexures. **Based on discussion, the Committee decided to entrust Dr. Mahesh Mohan to evaluate the EIA report and invite the PP for presentation.**

Item No.10 Re-appraisal of DEIAA issued Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Mr. Ilyas Babu, for an area of 4.7493 Ha, Survey Nos. 249 pt in Anakkayam village, Eranad Taluk, Malappuram District. (SIA/KL/MIN/443864/2023)

The Committee examined the proposal and discussed it in detail. The application is for reappraisal of the DEIAA-issued EC No-DEIAA/MAL/EC/002/2016 dated 08-06-2017. The scheme of mine is proposed for 5 years. The mineable reserve is 15,25,146 MT with an annual production of 1,50,000 MTA. The distance to medium hazard zone is 2 km and the distance to the nearest high hazard zone is 18 km. The highest elevation of the permit area is 120 m above MSL and lowest elevation is 50 m above MSL. **Based on discussion, the committee decided that the project can be appraised only after obtaining the documents**

mentioned in the OM for reappraisal of the project for which EC was issued by DEIAA. Therefore, the Committee decided to direct the the project proponent to submit the following additional documents:

1. Cluster Certificate from the Mining and Geology Department considering all the working quarries, quarries that were not issued mine closure certificate and the projects for which LoI were issued in the 500m radius
2. Affidavit regarding the compliance of the Hon'ble Supreme Court judgment dated 2.08.2017 passed in Common Cause Vs Union of India WP(C) 114 of 2014
3. Proposal for regrassing the mined-out area.
4. Valid mining lease
5. Legible survey map indicating houses and other built structures within 200m radius.
6. Depth to water table from the nearest dug well with geo-tagged photographs and distance from the project area.
7. Elevation difference of the area.
8. EMP prepared by a NABET-accredited agency.
9. Revised CER as per the guidelines published on the SEIAA website.
10. CCR from the IRO, MoEFCC, Bangalore
11. Approved mine plan (Only scheme of mining is found submitted)
12. ESA & ESZ details, if applicable.

Item No.11 Environmental Clearance for the Granite Building Stone Quarry project of Sri. Nadukkanchira Abdulkasim, Designated Partner, M/S Cruston Aggregates LLP for an area of 0.9995 Ha at Survey Nos. 418/1-2, 418/2-1, 418/3-1, 418/3-2, 418/4, 418/5, 418/6, 418/7 in Kulukkallur Village, Pattambi Taluk, Palakkad District. (SIA/KL/MIN/464787/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the life of mine is 3 years. The mineable reserve is 2,22,772 MT with an average annual production of 74,257.3 TPA. The highest elevation of the proposed area is 108m above MSL and the lowest elevation is 87m above MSL. The depth to water table is 11m bgl. The medium hazard zone is at a distance of 16.6km and the high hazard zone is at a distance of 27.5km. The project cost is 1 crore. The nearest house is located at 100m from the project boundary. The Committee observed that the CER need revision as per the guidelines of SEIAA. **Based on discussions, the Committee decided to invite the Proponent for presentation.**

Item No.12 Re-appraisal of EC issued by DEIAA for the Granite Building Stone Quarry of Sri. R Krishnamoorthy, for an area of 3.9342 Ha at Re-Survey Nos. 166/2, 166/3, 166/4, 166/6pt in Pattazhy Village, Pathanapuram Taluk, Kollam District. (SIA/KL/MIN/464925/2024)

The Committee examined the proposal and discussed it in detail. The project proponent had obtained an EC from the DEIAA Kollam vide no. B/DEIAA/23743/17 dated 20/02/2018 for a period of 5 years. The balance mineable reserve available as per scheme of mining is

10,49,300 MT with an annual rate of production is 2,00,000 MT. The highest elevation of the proposed area is 175m above MSL and the lowest elevation is 100m above MSL. The distance to nearest house is 83.8m. The project cost is 3.50 crore. The Committee noted that all the documents required as per the OM pertaining to the reappraisal of projects that obtained EC from DEIAA has not been submitted by the Proponent. The Committee observed that there is another quarry of Sri. Honey Vasanth (SIA/KL/MIN/425701/2023, 2313/EC2/2023/SEIAA) having an area of 1.225Ha is around 100m from the proposed quarry, and both together come to an area of more than 5 ha and hence is a cluster. **Based on discussion, the Committee decided to direct the project proponent to apply for ToR for conducting EIA study.**

Item No.13 Environmental Clearance for the Granite Building Stone Quarry project of Sri. Sanker T Ganesh, Partner, M/s. Ellora Stones, for an area of 3.9001Ha 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 in Block No. 45 of Vayakkara Village and 135/1,135/101,135/116,135/118,135/119, in Block No. 42 of Peringome Village, Payannur Taluk, Kannur District. (SIA/KL/MIN/457313/2024)

The Committee examined the proposal and discussed it in detail. As per the application the, total mineable reserve is 1,56,7903 MT with an annual production 1,55,000 MT. The life of mine is 10 years. The project cost is 600 Lakh. The highest elevation of the proposed area is 340m above MSL and the lowest elevation is 275m above MSL. Bedoor Reserve Forest is located at a distance of 6.75 km. The medium hazard zone is at distance of 81m and high hazard zone is at a distance of 139.47m. The ToR for the project was approved vide letter SIA/KL/MIN/426310/2023, 2257/EC4/2023/SEIAA dated 21/07/2023. The Public Consultation was conducted on 19.10.2023. The Committee also considered the complaint received through Public Grievance of MoEF&CC, dated 28th February 2024 filed by Shri. Chandran CP. **Based on discussion, the Committee observed the following shortcomings and decided to entrust Dr. A.N. Manoharan and Sri. V. Gopinathan to examine the complaint, evaluate the EIA report and conduct field inspection and submit report.**

1. The depth to water table in the nearest dug well along with geotagged photograph of the well, distance to it from the project boundary and altitude of the well site.
2. Recent legible survey map showing all the built- structures within in 200m radius authenticated by the Village Officer.
3. EMP is not site specific.
4. CER proposal is not satisfactory as per the guideline published on the SEIAA website.

Item No.14 Environmental Clearance for the Granite Building Stone Quarry Project of Smt. Savithri Thamban, Managing Partner, M/s Sree Siva Granites, for an area of 2.9727 Ha at Re-Survey No. 428/pt in Thayannur Village, Vellarikkund Taluk, Kasargod District. (SIA/KL/MIN/458791/2024)

The Committee examined the proposal and found that the ToR letter No. SIA/KL/MIN/455634/2023, 2472/EC4/2023/SEIAA approved on 11/04/2024, for the same project. But the application does not include the EIA report, Proceedings of the Public Consultation, CCR from the IRO, MoEF, Bangalore and all other documents required for the project having cluster situation. **In the circumstances, the Committee decided to recommend rejection of the proposal. The Committee also noted that there is possible violation of EC conditions as has been observed by a subcommittee deputed by the SEAC for field inspection of the proposal no. SIA/KL/MIN/438095; 2033/EC2/2022/SEIAA, located in the adjacent land. Therefore, the Committee also decided to place this observation before the SEIAA for seeking an inspection by the Mining & Geology Department and the State Pollution Control Board for examining the violations, if any, of the mining rules and EC conditions, respectively.**

Item No.15 Environmental Clearance for the Granite Building stone quarry Project of Sri. J Roberters, for an area of 0.5734 Ha at Block No.4, Re- Sy No. 263/6-3,264/11-6-2,264/11-6,263/6-4, 263/6-3-1, 264/11-5,264/11-2 in Pallichal Village, Neyyatinkara Taluk, Thiruvananthapuram District. (SIA/KL/MIN/457206/2023)

The Committee examined the proposal and discussed it in detail. The proposal (SIA/KL/MIN/167896/2020, 1808/EC1/2020/SEIAA) was earlier rejected by SEIAA in its 111th meeting as recommended by the 123rd SEAC meeting as there is a building within 50m from the project boundary. Now the project Proponent submitted a fresh application through PARIVESH on 08/03/2024 after demolishing the structure. As per the application, the total mineable reserve is 1,34,700 MT. The project cost is 70 lakhs. The life of mine is 5 years. The lowest elevation of the proposed area is 82 m above MSL and the highest elevation is 116 m above MSL. The distance to high hazard zone is 18.1km and the distance to medium hazard zone is 18km. The nearest house is at a distance of 52.6m. A temple is located at a distance of 75.1m. **Based on discussion, the Committee decided to invite the Proponent for presentation.**

Item No.16 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Asharaf S V, for an area of 0.3821 Ha at Block No. 38, Re-Survey No. 174/186 in Vellora Village, Payyannur Taluk, Kannur District. (SIA/KL/MIN/465646/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the total mineable reserve is 36,778 MT with an annual production of 12,263 MT in the first two years and 12,252 MT in the third year. The life of mine is 3 years. The project cost is 8.777

Lakh. The depth to water table is 6m below ground level at 138m above MSL. The highest elevation of the proposed area is 148m above MSL and the lowest elevation is 146 m above MSL. The distance to medium hazard zone is 754.5m and the distance to high hazard zone is 1.93km. No houses are reported within 100 m radius. A temporary shed is at a distance of 40 m. As per Cluster certificate dated 14/02/2024, no working quarries within 500m radius.

Based on discussion, the Committee decided to recommend EC for a period of 3 years subject to the following specific conditions in addition to the general conditions:

1. The depth of mining should be limited to 4m bgl.
2. The excavation activity should not involve blasting.
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
9. Workers/laborers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
11. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area 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.
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 Granite Building Stone Quarry project of Smt. Mariyamma Mathew, Managing Partner, M/s Valiyakalathil Rock Crushing Unit, for an area of 1.2047 Ha at Block No. 40, Re-Survey Nos. 438/7 in Pampady Village, Kottayam Taluk, Kottayam District. (SIA/KL/MIN/460544/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the total mineable reserve is 5,74,976.5 MT with an annual production of 90,000 TPA for first 6

years and 34976.5 TPA for the 7th year. The life of mine is 7 years. The highest elevation of the proposed area is 100 m above MSL and the lowest elevation is 70 m above MSL. The project cost is Rs.1.87 Crores. The distance to the nearest building is 17 m, a crusher is 42 m and a quarry is 10m from the proposed site. The high hazard zone is at a distance of 16.60km and the medium hazard zone is at a distance of 16.30km. As per the cluster certificate dated 14/12/2023, there is no operational quarries 500m radius. **Based on discussion, the Committee observed the following shortcomings and decided to entrust Dr. Mahesh Mohan and Dr. K.N. Krishnakumar for field inspection and report.**

1. Cluster Certificate from the Mining and Geology Department considering all the working quarries, quarries that are not issued mine closure certificate and the projects for which LoI is issued in the 500m radius
2. Revised CER proposal as per the SEIAA guideline.
3. Recent Cluster Certificate.
4. Detailed drainage plan.
5. Geo-tagged photograph of OB dump site with plan for protection.
6. Detailed compensatory afforestation plan along with geo-tagged photographs of the site, species proposed to be planted and ownership details of the land as the site proposed is vegetated.
7. Modified EMP prepared by NABET accredited Consultant.
8. Revised Project Cost

Item No.18 Re-appraisal of EC issued by DEIAA for the Granite Building Stone Quarry of Sri Prakashan P, Managing Director, M/s. Kayyar Aggregates Pvt Ltd for an area of 2.4767 Ha at Survey Nos. 242/3A(pt), 242/3A,3B, 242/3B(pt), 243/2(pt) in Kayyar Village, Manjeshwaram Taluk, Kasaragod District. (SIA/KL/MIN/459541/2024)

The Committee examined the application for reappraisal of the DEIAA-issued EC No. A/11133/17/DEIAA dated 26/04/2017. The committee noted that the Authority in its 137th meeting rejected the extension application submitted by the Antony Raphel (SIA/KL/MIN/269491/2022) in the same survey number based on the OM dated 28.04.2023 issued by MoEF&CC. The rejection order was issued dated 22/02/2024. Currently the Project Proponent Sri Prakashan P applied through PARIVESH portal on 12/03/2024.

As per the, approved mining plan, the mineable reserve is 9,21,825 MT, out of which a quantity of 1,71,315 MT is already extracted and balance of 7,50,510 MT is remaining. As per the Form 1, the estimated total cost of the project operation phase is Rs. 20,57,250 of non-recurring cost and Rs. 16,59,500 are recurring cost. The life of mine is 6 years. The highest elevation of the permitted area is 81.224 m above MSL and the lowest elevation is 34.685 m above MSL. The nearest built structure is at a distance of 18.1m. As per the Google map, a built structure is found within the proposed site. It is also noted that the mining encroached beyond the boundary. The committee also noted that the EC was issued in the name of Sri. Antony Raphel and the present applicant is Mr. Prakashan.P. The Committee also noted that all the documents required as per the OM pertaining to the reappraisal of

projects that obtained EC from DEIAA has not been submitted by the Proponent. **Based on discussion, the Committee observed the following shortcomings and decided to entrust Dr. A.N. Manoharan, Sri. V.Gopinathan and Dr. R. Ajayakumar Varma for field inspection and report.**

1. Clarification regarding the change in the name of applicant
2. CER proposal is not satisfactory as per the guidelines published on the SEIAA website
3. Revised compensatory afforestation plan along with geo-tagged photographs of the site, species proposed to be planted and ownership details of the land.

Item No.19 Environmental Clearance for the Building and Construction project, M/s KGA International Trades Pvt. Ltd. of Sri. K.C. Eapen at Survey Nos. 56/67, 28/65, 29, 51/2, 3, 4, 5, 6 & 9 in Block 105 & Survey Nos. 4/1 in Block 104 in Vazhappally East Village, Changanassery Taluk, Kottayam District. (SIA/KL/INFRA2/460048/2024)

The Committee examined the proposal submitted for expansion of existing Commercial Complex and discussed it in detail. The PP obtained Environmental Clearance for the construction of Commercial Complex from MoEF&CC vide File no. 21-9512021-IA-III dt. 10-12-2021 for a built-up area of 50,911 sq.m. in a plot area of 16,117 sq.m. (1.6117 ha.). As per the application, total Built-up area is 59,811 sq.m. (EC obtained built-up area is 50,911 sq.m.+ proposed built-up area 8,900 sq.m). The total plot area is 1.6117 ha. The height of the building is 32.75m. The cumulative project cost is Rs. 221 Crores. As per the Form 1 the FAR is 1.9. **Based on discussion, the Committee decided to entrust Dr. Mahesh Mohan and Dr. K.N. Krishna kumar for field inspection and report.**

Item No.20 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Deepak Cheerthy, for an area of 0.9601 Ha at Survey No. 40/1K pt in Parappa Village, Vellarikundu Taluk, Kasaragod District. (SIA/KL/MIN/464326/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the total mineable reserve is 2,68,508 MT with an average annual production is 53,500 MT. The life of mine is 5 years. The project cost is 244 Lakh. The highest elevation of the proposed area is 205m above MSL and the lowest elevation is 180 m above MSL. The depth to water table is 18m below ground level and depth of mining proposed is 15m below ground level. The distance to nearest house is 117.5m. The Beemanady reserve forest is located at a distance of 3.69km. The high hazard zone is at a distance of 1.18km and the medium hazard zone is at a distance of 8.24km. The low hazard zone is found at distance of 75m. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include the following shortcomings and shall be uploaded in the Parivesh portal.**

1. **Revised site-specific EMP with budget prepared by a NABET accredited consultant**

2. Revised CER as per the guideline published on the website of SEIAA.
3. Geo-tagged photographs and video (Panoramic view) of the site and its surrounding from all the boundary pillars.

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

As invited, Sri. Balendra Sharma (G.M), Sri. Devakumar P, (G.M-Civil engineering) and Sri A. S. Mahesh (Joint G.M.) were present on behalf of the Proponent, Director, Calicut International Airport and Consultant Sri.PZ Thomas represented the EIA consultant. The EIA Coordinator, Sri. Aman Sharma made the presentation online. As per the presentation, the proposed RESA (Runway End Safety Area) is 240 m×90 m against an existing RESA of 90 m. x 90 m. The total project cost is Rs. 484 Crore. The proposed land area is 5.0736 Ha for the expansion of RESA. The total filling volume of ordinary earth is 67,05,410 MT. It is proposed to source ordinary earth from 54 identified mine sites. The existing fresh water consumption is 461 KLD from the Kerala Water Authority, no additional water requirement is estimated for the proposed project. **The committee noted the following shortcomings in the EIA report.**

1. All the details presented before the Committee are not found included in the EIA report.
2. Clarification regarding the additional land acquired and further requirement for implementation of the proposed expansion.
3. In the event of increased length of runway, there will be increased flight and passenger movement and consequently, there will be increased requirement of water. However, additional source of water is not stated.
4. EMP does not adequately address the complaints from the local people regarding the increased noise level, light impact etc. consequent to the expansion of the airport.
5. The EIA also does not address the increased traffic flow to the airport consequent to the expansion based on a detailed traffic study.
6. It is required to restate the present parking facilities and additional requirements consequent to the increased traffic load.
7. The impact pertaining to the filling of land, including the protection during the rainy season.
8. EMP need reworking including revision of the budgetary estimate
9. Environmental monitoring programme is not detailed as per the EIA guidelines highlighting the parameters
10. Proposal for compensatory afforestation

11. Proposal for CER as per the SEIAA-Kerala guidelines including the revision of budget estimate indicated during presentation
12. Detailed proposal for extraction of the required ordinary earth along with impacts anticipated during extraction, mitigation measures for adverse impact, EMP and additional safeguards, if any required

Based on discussion, the Committee, decided to entrust Dr. R. Ajayakumar Varma, Sri. S. Sheik Hyder Hussain and Dr.C.C. Harilal to evaluate the EIA report and to conduct field inspection and submit report.

Item No.22 Environmental Clearance for the Integrated Manufacturing Cluster (IMC) at Kannambra for Palakkad Node in Kerala Under Kochi-Bengaluru Industrial Corridor (KBIC) at Kannambra I village of Alathur Taluk in Palakkad District (SIA/KL/INFRA2/456060/2023)

The Committee examined the proposal and discussed it in detail. As per the application, the total built up area is 36000 sq.m. The total plot area is 126.74 ha. The ToR for the project was approved vide letter No. SIA/KL/INFRA2/421647/2023, 2238/EC1/2023/SEIAA dated 17/06/2023. Number of floors proposed is 5. The project cost is 405.75 Crores. Peechi-Vazhani Wildlife Sanctuary is located at a distance of 1km from Project site. **Based on discussions, the decided to entrust Dr. R. Ajayakumar Varma and Sri. S. Sheik Hyder Hussain for field inspection and report.**

General Decisions:

1. Inadequacy of the cluster certificate issued by the Mining and Geology Department

As per EIA notification 2006, and the orders of the NGT dated 13.09.2018, the cluster situation in the project area is to be verified and accordingly, scoping is to be done to ascertain the necessity of ToR for the Project. The Authority took a view that if the quarry projects in the 500m radius are not closed as per the approved mine closure plan and issued the mine closure certificate from the Mining and Geology Department, those projects are to be considered for assessing cluster situation. Besides, the Committee noticed that projects which are issued LoI by the Mining and Geology Department are often not included/reported in the cluster certificate. In these circumstances, the Committee decided to inform the SEIAA to issue appropriate direction to the Mining and Geology Department for including the area of all the mining proposals that are issued LoI and all the mines that are not issued closure certificates falling within the 500m radius of the proposed mine while issuing Cluster Certificate.

2. Note on specific environmental issues linked to laterite mining and the status of closure plan implementation -feasibility of combined closure plan

The Committee discussed the note prepared by Dr. K. Vasudevan Pillai and Prof. V. Gopinathan on specific environmental issues linked to laterite mining, the status of closure

plan implementation, and the feasibility of a combined closure plan in detail and decided to circulate the note among the members for their remarks

The Committee decided to convene its 165th meeting on 20th May 2024 (Online platform) and its 166th meeting on 11th to 13th of June 2024 (Physical)

The Meeting ended by 5.00pm

Sd/-
Suneel Pamidi, IFS
Member Secretary, SEAC

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

LIST OF PARTICIPANTS:

Sl.No.	Name	08.05.2024	09.05.2024	10.05.2024
1.	Dr. R. Ajayakumar Varma (Chairman)	√	√	√
2.	Sri. S. Sheik Hyder Hussain	√	√	√
3.	Dr.A.Bijukumar.	X	X	X
4.	Dr.A.N.Manoharan	√	√	√
5.	Shri. M. Dileepkumar	X	X	X
6.	Smt. Beena Govindan	√	√	√
7.	Dr.C.C. Harilal	√	√	√
8.	Dr.K.VasudevanPillai	√	√	√
9.	Dr. MaheshMohan	√	√	√
10.	Dr.K.N. Krishna kumar	√	√	√
11.	Sri.V. Gopinathan	√	√	√
12.	Dr.A.V. Raghu	√	√	√
13.	Dr.N. Ajithkumar	X	√	√
14.	Suneel Pamidi(Secretary)	√	√	√