

Item No.158.12 **Legislative Committee on Environment Petition lodged by "Ammachiveedu Moorthidevi Kshethram Bharanasamithi" regarding the Environmental problems caused by the construction of flat by ARTECH GROUP - reg. (File No: 1453/A1/2021/SEIAA)**

The Committee examined the Complaint, the letter from the Government dated 04.07.2023 and the direction of the 136th SEIAA meeting. As directed by the SEIAA, the Committee decided to entrust a Sub-Committee consisting of Dr. R. Ajayakumar Varma and Dr. A. Bijukumar for field inspection and report.

PARIVESH FILES

PART- 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01 **Environmental Clearance for the Granite Building Stone Quarry project of Sri. Ziyad K.T., for an area of 0.9653 Ha. at Re. Survey No. 122, 123/1, Block No. 22 in Kolari Village, Iritty Taluk, Kannur. (SIA/KL/MIN/130412/2019, 1647/EC4/2020/SEIAA)**

The Committee examined the proposal along with the additional documents submitted by the PP and observed that the proposed area falls in the medium hazard zone. On verification of the documents, the Committee observed the following:

1. Instead of the Digital Elevation Model of the proposed area the PP has submitted the Contour Map.
2. The Contour map indicates that the slope of the proposed area is highest considering the surrounding area.
3. The thickness of the soil is found to be deep, i.e., 2.0 to 2.5m deep, which is extremely deep.
4. The soil property indicates high porosity, medium permeability condition; indicates the possibility of high saturation and slide potential.
5. The EMP submitted is not site specific.
6. A first order seasonal stream emerges from mid part of the project area and flows down towards the SW direction.
7. There is a slope break at the mid-part of the project area and rock exposure is also observed in the central part of the area.

Based on detailed discussion, the Committee noted that the proposed area is environmentally fragile and an activity like mining shall adversely affect the stability of the area. Therefore, the Committee decided to recommend rejection of the application invoking the Precautionary Principle.

Item No.02

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

The Committee examined the additional documents submitted by the project proponent as sought in the 153rd SEAC meeting and observed that the following additional documents sought are either not submitted or not satisfactory.

1. The revised project cost is not realistic, as the land cost is not included.
2. The EMP submitted is not site specific.
3. Clarification for the 2 sheds near the project area.
4. The Video showing the entire project area.

The Committee observed that the PP failed to submit all the documents sought earlier satisfactorily and hence decided to give a second chance.

Item No.03

Environmental Clearance application for the Granite Building Stone Quarry project of Sri. Sebastian George, for an area of 0.8752 Ha. at Re Survey Nos. 599/1A1, 599/1A2 & 599/3 of Belur Village, Vellarikund Taluk, Kasaragode, Kerala (SIA/KL/MIN/159687/2020, 1853/EC2/2020/SEIAA)

The Committee examined the additional documents submitted by the project proponent and observed that the following five documents are either not submitted or not satisfactory.

1. The plan submitted for protecting the surangam is not feasible. A detailed plan for the catchment area conservation of Surangam for protecting the pond near the BP2.
2. The plan for the development of the access road proposed is not given.
3. The Compensatory Afforestation plan proposed is in a vegetated area, and hence an alternate area for the compensatory afforestation with geo-tagged photographs and consent of the land owner is to be provided.
4. Sanitation facilities suggested are inadequate
5. The environment management plan submitted is not site-specific.

The Committee observed that the PP failed to submit all the documents sought earlier and hence decided to give a second chance for providing the documents/plans.

Item No.04

Environmental Clearance for the granite building stone quarry of Sri. Aboobacker. P.M, Managing partner, M/s M A Granites in Re Survey No: 84/1, 84/2B Resurvey Block No: 1 Balussery Village, Koyilandy Taluk, Kozhikode, Kerala (SIA/KL/MIN/166371/2020 , 1758/EC4/2020/SEIAA)

The Committee examined the documents submitted by the project proponent and found them satisfactory, except the compensatory afforestation plan. The area proposed for compensatory afforestation is a vegetated area. Therefore, the PP directed to submit an alternative plan with

suitable site along with geo-tagged photographs and ownership details and consent of the land owner of the area. **The committee decided to invite the PP for presentation.**

Item No.05 **Environmental Clearance for the Granite Building Stone Quarry project of Sri. K.C Krishnan for an area of 0.6199 Ha at Re.Sy. Nos. 173/1 & 173/3 in Maruthonkara Village, Vatakara Taluk, Kozhikode. (SIA/KL/MIN/183677/2020 , 1849/EC4/2020/SEIAA)**

The 153rd meeting of the Committee decided to recommend delisting of the application, as the project proponent has not provided proof of application submitted to SCNBWL even after repeated instructions. The 136th meeting of the SEIAA noticed that the RQP is misleading the project proponent in the matter and delaying the project and decided to obtain an explanation from concerned RQP within 15 days. The Authority also decided to refer the case back to SEAC to provide one more opportunity to the project proponent. **The Committee agreed to the decision of the Authority and decided to grant one more opportunity to the project proponent to submit the additional documents sought.**

Item No.06 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Shijo T. Paul for an area of 0.9235 Ha at survey No: 797/1 Apt in Kalloorkad Village, Muvattupuzha Taluk, Ernakulam. (SIA/KL/MIN/255880/2022, 2081/EC3/2022/SEIAA)**

The Committee evaluated the hearing note submitted by the project proponent in detail along with the affidavit and the NOC from the PWD. The proponent submitted the following assurances/ plan to safeguard the area

1. The transportation shall be carried out by smaller trucks of 10 ton capacity to take care of the limitation of road width. As per the GO (P) No. 59/2015/Trans dt. 29.9.2015, goods vehicle having loading capacity of more than 10 tons is prohibited on roads with width less than 8m.

Considering the explanations of the project proponent the Committee decided to relook the earlier decision to reject the application and decided to direct the Proponent to submit a revised affidavit incorporating the following in addition to the statements already included in the affidavit submitted earlier.

1. The noise and vibrations shall be reduced by limiting vehicle speed below 10 km/hrs in that portion of the area.
2. The dust pollution shall be managed by installing and operating sprinklers in the location where houses are located.
3. The disturbance to the nearby houses will be prevented by erecting temporary wall of height 2m around the project area where houses are located (connecting BP4, BP1, BP2 and BP7), making use of light roofing sheets.

The Committee decided to direct the PP to submit the revised affidavit as stated above and certificate from PWD/LSGD regarding the width of the each road within 500m radius and proposed to be used for transportation of the mined material.

Item No.07

Environmental Clearance for the building stone quarry of Sri. Shijo .T. Paul for an area of 1.8501 Ha at Block No.12 , Re-Survey No.120/5 in Kombanad Village, Kunnathunadu Taluk, Ernakulam.

(SIA/KL/MIN/258433/2022, 2063/EC3/2022/SEIAA)

The Committee examined the baseline environmental quality report of the project area as directed by SEIAA in its 136th. The committee noted that the total mineable reserve is 622303 MT and the average annual production is 51859 TPA. The project cost is 2 crore. The site elevation vary from 52m to 90m above MSL. The depth to the water table is reported to be 10m bgl. Therefore, mining has to be limited at 45m above MSL to prevent groundwater intersection. The distance to the nearest built structure is 62m. **Based on detailed discussion, the committee decided to recommend EC for an area of 1.8501 Ha for a mine life of 12 years subject to the following Specific conditions in addition to the General Conditions.**

1. Depth of mining should be limited to a maximum of 45m above MSL
2. Compensatory afforestation should be initiated prior to the commencement of mining.
3. A retention wall of appropriate height should be provided at the overburden dumping site
4. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented
5. The haulage road should be maintained well with frequent sprinkling to avoid dust pollution
6. Development of green belt using indigenous species should be initiated prior to the commencement of mining
7. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
8. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
9. 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).
10. 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.
11. Overburden should be stored at the designed place at lower elevation and gabbion wall should be provided for the topsoil and overburden storage sites
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 pm).
13. Adequate sanitation, waste management and rest room 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 should be met from the solar power.
15. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
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.
17. 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 the Granite Building Stone Quarry of Sri.Krishna Kumar. E for an area of 0.9400 Ha at Sy. No.486 in Vadakkethara Village, Thalappilly Taluk, Thrissur, Kerala.
(SIA/KL/MIN/266526/2022, 2040/EC6/2022/SEIAA)**

The Committee examined the proposal as per the direction of the SEIAA in its 136th meeting. The committee noted that in the 153rd SEAC meeting, the direction for limiting the depth of mine to 75m was an oversight and therefore it is corrected as 50m AMSL. The elevation of the site vary from 55 to 66m aboe MSL and depth to water table reported is 9m bgl. **The Committee decided to recommend EC for 5 years as recommended earlier with the following specific conditions in addition to the general conditions.**

1. Considering the depth to water table, the depth of mining should be limited to 50m AMSL.
2. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
3. The Project proponent should get the mandatory Wildlife Clearance from the SCNBWL before the commencement of the mining activity.
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. 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.
6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. 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).
8. 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.

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

Item No.09

Environment Clearance for Granite Building Stone Quarry project of M/s Perumannoor Granites Private Limited for an area of 3.5238 Ha at Sy Nos. 611/1A/19W/17, 611/1A/19W/19, 611/1A/83/13/16, 611/1A/84/14/23 & 611/1A/196/73/2 in Keerampara Village, Kothamangalam Taluk, Ernakulam. (SIA/KL/MIN/267357/2022, 2034/EC3/2022/SEIAA)

The Committee examined the proposal as directed in the 136th SEIAA meeting and observed that as per the Cluster Certificate dated 04.09.2023 of Mining & Geology Department, there are four quarries all together having a total area of 1.6795 Ha thereby, the total area within the 500 m radius cluster is more than 5 Ha. The four quarries are reported to be not working but not closed by implementing mine closure plan. Since the quarries are not closed, it may have to be considered for the cluster situation. But relying on SO dated 01.07.2016 of MoEFCC, the Committee decided that the stipulations of cluster condition is applicable only to the quarry licenses granted on and after 9.9.2013. But as per the direction of the SEIAA, the NGT order dated 13.09.2018 abolishing DEIAA, cluster situation prevails whenever the total area within 500 m is more than 5 Ha irrespective of the commencement of individual mines. **In the circumstance, the Committee evaluated the cluster situation and decided to direct the proponent to submit TOR application. The Committee also noted that the proposed area is in moderate hazard zone and hence requires the approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05-2014.**

Item No.10

**Environmental Clearance for the Granite Building Stone Quarry project of Sri.. Sajeev. M.A for an area of 1.8592 Ha at Survey Nos. 959/1L, 959/1L2, and 959/1L-8 in Kothamangalam Village, Kothamangalam Taluk ,Ernakulam.(FIR Received)
(SIA/KL/MIN/269321/2022,2174/EC3/2022/SEIAA)**

The Committee discussed the field inspection report and observed that there is a case pending in the Munsiff Court, Kothamangalam (O.S.155/23) in which an injunction was granted preventing the proponent from entering the project site. The proponent filed an OP in the High Court of Kerala (OP No. 2335 of 2023) against the order of the Munsiff Magistrate Court Kothamangalam on 2-11-2023, one day before the field visit of the SEAC sub-committee. **The Hon'ble High Court allowed the conduct of the field inspection by the SEIAA team on 3-11-2023 and ordered that the merit of the case shall be decided by the Munsiff court irrespective of the outcome of the filed inspection. In the circumstance, based on the discussion of the field inspection report, the Committee decided to get the following additional documents from the PP for further appraisal:**

1. The depth to water table measured in the nearest dug well along with geo-tagged photographs of the well, distance from the nearest boundary point of the quarry, and relief of the well site.
2. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation, detailed implementation plan of the proposals and cost of maintenance.
3. Revised compensatory afforestation plan incorporating ownership details, species proposed to be planted and geo-tagged photographs of the proposed area.
4. Revised site specific EMP with mitigation measures and budget allocation.
5. Topsoil storage and management proposal.
6. Plan for OB dumping site and its protection
7. Land use details of the proposed site.
8. Source of water with its yield characteristics and sustainability aspects.
9. Proof of application submitted for wild life clearance from the NBWL as the Thattekkad Bird Sanctuary is located only at a distance of 6 km
10. Drainage plan showing connectivity of overland flow to natural drain.
11. Plan of the new access road proposed by the project proponent

Item No.11

**Granite Building Stone quarry project of Sri. Thomas Varghese at Block No. 28, Survey Nos. 496/2, 496/2-1, 496/3, 496/4, 496/14, 497/4-1-1 in Mallappally Village, Mallappally Taluk, Pathanamthitta
(SIA/KL/MIN/409822/2022, 2161/EC1/2022/SEIAA)**

The Committee examined the additional documents submitted by the PP as directed in the 149th SEAC and observed that most of the documents submitted are not satisfactory. **Based on discussions, the Committee decided to give one more chance to the PP to submit the revised factual documents/feasible plans and details:**

1. Road development and traffic plan.
2. Modified CER catering to the water demands of the settlement.
3. Revised EMP incorporating site-specific mitigation plan and adequate implementation cost.
4. Compensatory afforestation plan.
5. Plan for protective measures at lower elevation (between BP-7 and BP-8) where more people are living downside of the rocky region.

The committee also decided to direct the PP to make a presentation of the revised documents before the Committee after its submission.

Item No.12 Environmental Clearance for the Granite Building stone quarry project of Sri. Sasidharan E.M for an area of 0.8533 ha at Re Survey Nos.106/1, 106/4 in Kayakkodi village, Vatakara Taluk, Kozhikode.
(SIA/KL/MIN/420061/2023, 2285/EC4/2023/SEIAA)

The Committee examined the direction of the SEIAA in its 136th meeting to referback the proposal to verify that as per the groundwater details provided by the project proponent, groundwater level of open well is -1.5m MSL, which is below mean sea level and perhaps lead to saline water intrusion. The Committee examined the documents and noted that as per the ground water details submitted by the project proponent, it is stated that the depth to water table is 10.3m below ground level in a well located at an elevation of 14m above MSL. Therefore, the depth to water table at that point is 3.7m above MSL. Taking this into consideration, they have submitted that they propose to mine only upto 5m above MSL. Considering this and the lowest elevation of the site as 10m above MSL, the PP submitted that the annual production capacity is curtailed to 4 years as against the 5 year period as earlier calculated. Consequently the project life has been limited to 4 years. Based on discussion, the Committee decided to revise the earlier decision. **Therefore, the Committee decided to recommend EC for the mine life of 4 years subject to the following specific conditions in addition to the general conditions:**

1. The depth of mining should be limited to 5m above MSL considering the ground water table.
2. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
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. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration

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

Item No.13

Environmental Clearance for the Granite Building Stone Quarry Project of Sri.Abdul Kareem, M/S. U. K. Granites for an area of 0.5009 Ha at Block No.03, Re-Survey Nos.29/39, 29/37, 29/41, 29/40, 29/38, 29/47 in Edayur Village, Tirur Taluk, Malappuram (SIA/KL/MIN/423070/2023, 2254/EC6/2023/SEIAA)

The Committee examined the additional documents submitted by the PP and observed that all the documents, except the compensatory afforestation plan is satisfactory. The area proposed for compensatory afforestation is a vegetated area and hence an alternate site is to be submitted. The Committee also noted that the site elevation vary from 90m to 100m above MSL and depth to water table is 8m bgl. Considering the depth to water table, the depth to mining has to be limited to 85m above MSL instead of 75m above MSL as proposed in the mine plan. **Based on discussions, the Committee decided to direct the PP to submit an alternate site for the compensatory afforestation plan along with geo-tagged photographs, species details proposed to be planted and proof of ownership of the proposed site. The Committee also decided to note that the depth of mining should be limited to 85m AMSL considering the depth to water table.**

Item No.14**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Abdul Basheer. P for an area of 1.4867 Ha at Sy.No.252 & 259/1 in Ooragam Village, Thirurangadi Taluk, Malappuram. (SIA/KL/MIN/425229/2023, 2266/EC6/2023/SEIAA)**

The Committee examined the proposal with the additional documents submitted by the PP and observed that as per the application mineable reserve is 4,80,325MT and mine life is 10 years. The project cost is 251 lakhs. The proposed area is 57m from medium hazard zone and the Mini Ootty is at 1.5Km. The nearest building is at 67m. Though there are two quarries adjacent to the site, there is no cluster condition. The depth to water table is 7m bgl and the minimum and maximum elevation of the site is 100m to 135m above MSL. **The Committee on detailed scrutiny, decided to recommend to issue EC for a mine life of 10 years subject to the following specific conditions in addition to the general conditions.**

1. The mining should be limited to 95m above MSL considering the depth to water table.
2. The plan for the protection/stabilization of OB of adjacent working quarry stored on the northern side of the proposed site should be implemented before the commencement of mining.
3. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
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. 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.
6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. 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).
8. 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.
9. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
10. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
11. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
12. Adequate sanitation, waste management and restroom facilities should be provided to the workers.

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

Item No.15 Environmental Clearance for the Granite Building Stone Quarry of Sri. Sibi P Alias for an area 0.7837 Ha at Survey No. 194/9, 194/9, 194/11, 194/11/1 in Varappetty Village, Kothamangalam, Ernakulam. (SIA/KL/MIN/432348/2023, 2296/EC3/2023/SEIAA)

The Committee examined the documents submitted by the PP and observed that the total mineable reserve is 2,08,848 MT. The total project cost is Rs.80 Lakh. The life of mine is 4 years. The high hazard zone is at 16.36 km and the moderate hazard zone is at 13.30 km. The Thattekkad Bird Sanctuary is at 14.16 km. The nearest house is at 88 m. The highest elevation of the site is 56 m and the lowest elevation is at 37 m above MSL. The depth of mining proposed is upto 15m above MSL. The ground water details submitted indicates only depth of the well and does not indicate the depth to the ground water table. **Therefore, the Committee decided to direct the Proponent to submit the depth to ground water table in the nearest dug well along with the geo-tagged photograph of the well, distance to it and elevation of the well site.**

Item No.16 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Shans Paul, M/s Chattupara Granites Pvt Ltd, for an area of 3.0274 ha at Re-S nos. 734/1B-1, 734/1B-4, 734/1B-5, 734/1B-6, 734/1B-7, 734/1B-8, 734/1B-9 in Kalloorkkad Village, Muvattupuzha Taluk, Ernakulam. (SIA/KL/MIN/437379/2023, 2342/EC3/2023/SEIAA)

The Committee discussed the field inspection report conducted on 20-01-2024 and noted the following salient aspects:

1. A small building without building number is existing in the project area
2. There are rocky outcrops and boulders in the project area
3. Present road passes through proposed buffer zone at several places
4. Compensatory afforestation site is already vegetated and the intention is to remove the present vegetation in it and replant it with indigenous species
5. The proposal is for the planting of 1377 plants in 5 years

6. The water table is at 4m in the nearest well at a distance of 195m from BP5
7. An old quarry pit with a vertical fall of 25m borders the boundary of the proposed quarry site at BP9 & BP10 leaving hardly a distance of 3m.
8. The Proponent received an EC recently for quarrying 0.9700ha located at a distance of 200m (EC 61/Q/2023 issued on 15-3-2023; File SIA/166510/2020)
9. Though the project site is a rubber plantation, it is uploaded as wasteland in the application (Form-1, 3.1.5 of Part B)
10. The Proponent has agreed to install renewable energy plant of capacity 12kW (Form-1, 2.7.3 of Part B)
11. Proposal is for removal existing 60 rubber trees present in earmarked buffer zone and to plant with natural vegetation (EMP, Page 37)
12. Has also agreed to do afforestation in offices and road side with fencing alongwith frequent maintenance including watering for the upkeep of planted seedlings (Mine Plan – page 51 & 52)
13. CER is not submitted

Based on the observations above the Committee noted the following shortcomings and requirement of additional documents for further appraisal of the application:

1. Plan for maintaining a buffer distance of 50m between the building and quarry site.
2. Plan for safe removal of boulders prior to the mining as proposed
3. Plan of re-alignment of internal road avoiding the buffer zone area
4. Compensatory afforestation plan in an alternate site along with geo-tagged photographs of the site, its ownership details, species proposed to be planted etc.
5. Explanation for uploading wrong information that the project area is a wasteland and the actual landuse data of the site
6. Detailed drainage plan incorporating garland drains, silt-traps, settling ponds, outflow channel and connectivity to natural drain along with drainage map depicting the above aspects
7. Affidavit for ensuring the construction of retaining wall/gabion structure for the top soil and overburden storage
8. Detailed CER plan as envisaged in the SEIAA-Kerala website.
9. Revised EMP incorporating site-specific environmental issues identified, environmental mitigation measures, adequate budget estimates for implementation and maintenance for the entire life of mine along with CER as per the OM and guidelines of the SEIAA Kerala.

The Committee also noted the specific conditions suggested by the Sub Committee, if and when EC is recommended. The Committee noted that the life of mine proposed is 5 years, the elevation of the site vary from 135m to 176m above MSL, depth of mining proposed is upto 105m above MSL and the depth to ground water table is 4m bgl. **Based on discussions, the Committee decided to invite the Proponent for presentation.**

Item No.17

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

The Committee discussed the salient aspects of the project and noted that a field inspection report is placed for discussion. As per the application, the total mineable reserve is 2195430 MT. The life of mine is 12 years. The highest elevation of the permit area is 170 m AMSL and lowest is 105 m AMSL. The ultimate depth of mining is 90m above MSL. The depth to water table reported is 82m above MSL. The total project cost is Rs.9.36 crores. The public hearing was conducted on 01.07.2023. The nearest habitation is about 203m. The Committee observed that the Peppara Wildlife Sanctuary is at 6.3 km and Neyyar Wildlife Sanctuary is at 9.6 km. The proponent has not submitted the proof of application submitted to the NBWL for Wild Life Clearance. The CER proposal does not indicate specific location of implementation and beneficiary details. There is 1st order stream flowing in the east direction of the proposed ML area. The Compensatory Afforestation Plan for the removal of proposed 1100 trees from the proposed mining area lacks clarity. **Based on discussions, the Committee decided to defer the item for scrutiny in the next meeting.**

Item No.18

Environmental Clearance of Existing Granite Building stone Quarry project of Sri. M.I Mohammed for an area of 4.7134 Ha at Block No. 29, Sy. Nos. 301/2, 285/1-2 in Mazhuvannur village and Block No. 28, S.F.Nos. 410/8-2, 410/7-2, 410/5-2 Arackappady Village, Mazhuvannur Grama Panchayath, Kunnathunad Taluk, Ernakulam (SIA/KL/MIN/63669/2019, 1925/EC3/2021/SEIAA)

The Committee discussed the field inspection report conducted on 20-01-2024 and observed that . And noted that during the field visit the sub-committee noted that the proposed site is an old granite quarry with mined out pits and walls /blocks of rocks with varying dimensions. A huge jointed block of rock is seen in the North East part of the area. **Based on discussions, the Committee decided to direct the PP to submit the following additional documents for further appraisal of the application:**

1. Revised CER proposal incorporating plan for its implementation within the first two years and its operation and maintenance for the rest of the EC period.
2. Revised EMP incorporating revised CER as per the OM.
3. Revised report of the cumulative impact of adjacent quarries within 500m radius.
4. Response of the proponent based on relevant records regarding the complaint raised during the public hearing regarding the over extraction of rocks from the quarry.
5. Legible survey sketch showing distance to the nearest house and built structure

6. Plan for removal of the isolated rock block with jointed and fractured structure by ensuring ultimate care as the process of its removal is risky and can lead to accident. The Committee also noted the specific conditions suggested by the Sub Committee, if and when EC is recommended.

Item No.19 **Environmental Clearance for Granite Building Stone Quarry of Sri. Eldho Issac for an area of 4.7023 Ha at Survey. No. 208/1 of Alanallur- III Village, Mannarkkad Taluk, Palakkad, Kerala (SIA/KL/MIN/72951/2022, 1590/EC1/2019/SEIAA)**

The Committee examined the application and scrutinized the additional documents submitted by the PP and observed that the project proponent has applied for wildlife clearance from the National Board of Wildlife. **The Committee decided to seek the following clarifications and details for further appraisal of the application:**

- Regarding the traffic study report, the project proponent has to conduct the study and estimate the PCU and highest traffic flow during peak time (9-11am), However the PCU capacity of 5 roads are not provided, therefore conclusion cannot be arrived in this aspect
- Regarding the periodic studies w.r.t the ecological and socioeconomic assessment is a welcome measure, however the purpose of the study needs to be elaborated.
- The impact of the project on the poultry and honey bee farmers, need to be studied in detail and included in the compliance report. It is suggested that the studies should help to assess the impact of biodiversity and socio-economic aspects of all identified farming communities particularly honey bee farmers, and poultry farmers The report shall be enclosed with half yearly compliance report.
- Since the impact of the project on honey bee farmers and poultry farmers are almost certain, it should be addressed in the CER and CER proposal shall be revised accordingly.
- Committee specifically highlighted the incorporation of watershed conservation proposed by the proponent in the case of Puliyamthodu as a specific condition.
- Clarification regarding the operation of quarries by the proponent in and around the proposed site

The Committee decided to take a final decision after obtaining the above additional documents.

Item No.20 **Environmental Clearance for the Apartment Project by Nest Realities Pvt. Limited, of 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 discussed the field inspection report conducted on 20-01-2024 and noted the following:

1. As per the building permit issued by Keezhmad Grama Panchayat on 20-11-2014, the total area of the building was 18759.74 sq.m. A deviation from the building plan executed without permission from Grama Panchayat was regularized by Keezhmad Grama Panchayat as per order No. A2/4871/2020 dated 31-01-2022. As per this order, the revised built up area is 19990.58sq.m.
2. The drainage on the side of the project area needs to be developed
3. The yield of the bore well is not provided. It is felt that an open well in the project area could reduce the dependence on public water supply system
4. The proponent, in the presentation made in the 153rd meeting had reported that two court cases are pending. During the site visit, the proponent clarified that both the cases were related to the delay in the release of dwelling units to the buyers.

The Committee decided to direct the PP to submit the following additional documents for further appraisal of the application:

1. Proof of approval from local bodies for the existing building and the built-up area.
2. Detailed drainage plan including the width and depth of the channel to be developed on the side of the project area considering the regular flow of water from outside the project area.
3. Safe Yield of the bore well in the site and the potential of an open well in the site to augment the water resources/reduce dependence on public water supply system
4. Total budget of the project and budget for expansion
5. Revised EMP incorporating environmental issues identified, site-specific environmental mitigation measures
6. Detailed CER Plan with proof of consultation and as per the guidelines of the SEIAA Kerala on CER Plans.
7. Details of pending court cases
8. KML file with project boundaries
9. Revised Project cost for the expansion considering the increase in EMP cost
10. Proposal for enhancing the proposed STP
11. Details of renewable energy generation proposed
12. Area of the existing building certified by Chartered Engineer
13. Details of water recharging facilities

**Item No.21 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)**

The Committee discussed the field inspection report and noted the following:

1. The site is a rubber plantation
2. Gentle slope towards north
3. Proposed OB dump site is on Northern side at lower portion
4. Drainage is proposed towards North west corner and connects to natural drain
5. The site falls in a medium hazard zone

6. There is an existing laterite mining site at the southern side where the depth of mining has gone upto 8m in the eastern side of mine. The EC for this mine is for an extent of 0.7325ha as per the cluster certificate, but the actual extent of the mine seems to be more.

The Committee decided to get the following additional documents from the PP

1. Recently certified Survey map from the Village Officer indicating all the houses and other built structures within 100m radius.
2. Endorsement of the authorities for the consent letter for CER from the Anganawadi worker for the renovation of kitchen.
3. Geo-tagged photographs of the all the boundary pillars.
4. A site specific EMP by considering nearby operational laterite quarry and other proposed quarry nearby.
5. Since the area falls in medium hazard zone, approval from the District Level Crisis Management Committee.

As per the report of the District Collector against mining in Vazhakkad Village and that there is a request to hear the Complainants in the area, the Committee decided to hear the complainant first. Subsequently the proponent may be heard preferably on the same day along with presentation on the salient aspect of the project.

Item No.22

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

The Committee discussed the field inspection report and noted the following:

1. Proposed site is located on the flank of hillock extending from top of the hill to the foot-hill area.
2. Boulders seen at upper reaches (North)
3. OB dump site is shown as in Re.Sy.No. 74 (South-east side), but not shown in any of the maps
4. Though the quantity of Top soil to be removed is given as 45246MT, the thickness of Top soil is not mentioned in Mine Plan.
5. Similarly thickness of OB is not mentioned but the quantity is estimated as 71621MT
6. Details of trees to be cut and removed are not listed
7. The drainage plan and biodiversity report have need modification

The Committee decided to get the following additional documents required to be submitted:

1. Geo-tagged photograph of OB dump site with plan for protection, consent of the owner, sketch showing the site location
2. Thickness of topsoil and OB and the estimated quantity the top soil & OB storage required and their storage plan
3. Revised Project cost

4. Revised site-specific EMP incorporated with revised CER
5. Details of trees to be cut and an affidavit to the effect that only trees upto the proposed mining area at 170 m above MSL shall be cut
6. Modified biodiversity report
7. Compensatory afforestation plan incorporating geo-tagged photograph of site, species proposed to be planted and ownership of the proposed land.
8. Revised drainage plan incorporating all details considering that the proposed mining will be culminated at 170m above MSL
9. Proposed Energy conservation measures
10. Proposed Sanitary and waste management details

Based on discussions, the Committee decided to invite the Proponent for presentation.

Item No.23 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Ashiq K.C for an area of 0.8761 Ha at Block No.17 , Re Survey Nos: 130/2-3, 2-5, 2-6, 139/1-33, 1-40, 1-41, 1-42, 1-43 in Cheekode Village, Kondotty Taluk, Malappura. (SIA/KL/MIN/438819/2023 , 2376/EC1//2023/SEIAA)

The Committee discussed the field inspection report and noted the following:

1. The site exhibits duricrust formation and scanty vegetation
2. Drainage is provided towards north along the downward slope
3. Top soil dump is proposed on southern side (upper slope)
4. A recently erected temporary (unnumbered cattle farm) shed is seen on the northern side at a distance of <50m.
5. Access road need development and maintenance.
6. Moderate hazard zone at 20m south of the project area.

The Committee noted that the CER need revision by incorporating geo-tagged photograph of the Anganwadi and the details of the proposal for Anganwadi. **Based on discussions, the Committee decided to invite the Proponent for presentation.**

Item No.24 Environmental Clearance of Granite Building Stone Quarry project of Sri.Abdurrahman A.C at Re Survey Block No.36, Re-Survey No: 269/1, 269/2, in Nediyruppu Village, Kondotty Municipality, Kondotty Taluk, Malappuram. (SIA/KL/MIN/78627/2019, 1543/EC3/2019/SEIAA)

The Committee discussed the field inspection report and noted the following:

1. Steep slope with terraces for coconut plantation.
2. Soil thickness is moderate to high with exposed rock on the north-western side
3. An old built structure is found on northern portion
4. An old quarry with 60m vertical wall is present at southern side of the proposed area
5. A working quarry with 50m vertical wall is sharing the boundary at northern western side. The details of this functioning quarry are not included in the cluster certificate and also are not part of the EIA study carried out.

6. The buffer zone of the above mining project is seen quarried and removed without maintaining the benches
7. An abandoned open well with water level of 20m bgl is located at south central portion of the project area
8. There are three abandoned quarry at southern side and one operational quarry on the north-western side. All these quarries are without proper benches. One abandoned quarry at southern side and operational quarry at north-western side are sharing the boundary with proposed project area. A detailed study is required to analyse the possibility of breach of impounded water

The Committee noticed that the requirement of the following additional details/documents for further appraisal of the proposal:

1. The functioning quarry on north western side is not included in the cluster certificate. A latest cluster certificate along with details of application for mine closure plan for the non functioning quarries to be collected from the Mining & Geology Department
2. There are three abandoned quarries at southern side and one operational quarry at north-western side. All these quarries are without proper benches. One abandoned quarry at southern side and operational quarry at north-western side are sharing the boundary with proposed project area. A detailed study is required to analyze the possibility of a breach of impounded water
3. Impact on the slope stability of the region in and around the project site
4. Impact of additional traffic due to transportation of mine products
5. Impact on the existing drainage adjacent to the project site including its supportive capacity for the possible augmented load
6. Impact on the nearby hazard zone
7. Plan for OB dump, its location and protection measures
8. Modified EIA report by incorporating ToR No. 19 and 23 and five additional ToRs.

The Committee decided to bring to the notice of the SEIAA regarding the suspected illegal quarrying practices going on in the area, especially the violation of mining guidelines including mining without the provision of benches and encroachment in to the stipulated buffer zone for notifying the District Geologist. The Committee also decided to invite the PP for a presentation.

**Item No.25 Environmental Clearance for the proposed Residential Building Construction Project for Fisherman to be developed by Directorate of Fisheries, Govt. of Kerala at Survey No. 2610 pt, 2778/pt in Muttathara Village, Thiruvananthapuram Municipal Corporation, Taluk & District, Kerala.
(SIA/KL/INFRA2/435776/2023, 2314/EC1/2023/SEIAA)**

The Committee discussed the salient aspects of the project and noted that a field inspection report is placed for discussion. **Based on discussions, the Committee decided to defer the item for scrutiny in the next meeting.**

Item No.26 Granite Building Stone quarry project of Sri. Sukumaran, President of Ottappalam Taluk Karinkal Quarry Operators Industrial Co-Operative Society Ltd in Re. Survey No. 495 of Ananganadi Village, Ottappalam Taluk , Palakkad District.
(SIA/KL/MIN/268812/2022 , 2101/EC1/2022/SEIAA)

The Committee examined the proposal and observed that the proposed site has an area of 3332 m² and after leaving the stipulated buffer, the minable area is only 1705m². After mining to a depth of 10m, the area left within the pit will be

979m². All together the minimum area required for operating the essential mechines, setting the blasting array, and storage of materials on a day to day basis, is about 865m². Hence mining can be permitted up to a depth of 12m below the overburden. Based on discussions, the Committee decided to recommend EC as recommended in the 141st meeting for the life of mine of two years subject to the following specific conditions in addition to general conditions:

1. The mining should be limited to a depth of 12m below the over burden.
2. Compensatory afforestation plan should be implemented from the 1st year itself and the geo-coordinates and geo-tagged photographs of the area shall be submitted in HYCR.
3. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.
4. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.
5. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
6. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented
7. 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).
8. The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.
9. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
10. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office. 20% of the energy requirement shall be met from the solar energy.
11. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

<u>Item No.01</u>	Extension of Environmental Clearance of Granite Building Stone Quarry of Sri.Nishad.P.V. for an area 3.4277 Ha at Survey Nos. 348/1,2,3 in Thrithala -Village, Pattambi-Taluk, Palakkad, Kerala. (SIA/KL/MIN/265862/2022, 1989/EC1/2022/SEIAA)
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The Committee examined the proposal and observed that the EC was issued from DEIAA, Palakkad dated 21.4.2017 with a validity of 5 years based on the mine plan with a mine life of 9 years and other documents required. The Committee further examined the proposal and verified the documents submitted by the proponent in the 133rd meeting and decided to direct the proponent to submit the Certified Compliance Report from MoEF&CC, IRO, Bangalore. The PP has submitted Certified Compliance Report dated 23.12.2022. There were 15 Specific conditions and 61 General conditions mentioned in EC and all of them except 3 were compiled satisfactorily. The Committee further examined the proposal in its 142nd meeting and heard the presentation of the project details. As per the presentation, the total mineable reserve is 454426 MT (85000 MTA) and the mine life is 6 years as per revised scheme of mine. During presentation it is intimated that the Mining and Geology Department has issued transit pass as per the direction of the Hon,ble Court and hence the quarry is working even after the expiry of EC (Court considered S ON. 1807 of MoEFCC dated 12.04.2022). The Committee noted that the following additional documents are required for further processing of the application:

1. Recently certified legible survey map from the Village Office showing the distance to all the built structures within 200m from the project boundary.
2. Depth to water table measured in the nearest dug well along with the geotagged photographs of the well and ground relief of the site where well is located.
3. Revised CER based on need study with appropriate physical targets in consultation with stakeholders as per norms along with proof of stakeholder consultation.
4. Site specific EMP incorporating appropriate budget provision.
5. Biodiversity status report of the area.
6. Scheme of mining or certificate from the Mining & Geology Department regarding the balnce quantity of resource available and the revised life of mine
7. Non assignment certificate for the proposed area.
8. Compensatory Afforestation Plan along with geo-coordinates of the proposed site, geo-tagged photographs of the proposed sites, and ownership details of the proposed site with proof.
9. Plan for strengthening the haulage road
10. Location and protection plan for OB dumping site

A field inspection was also carried out at the site as per the decision of the SEAC. **As per the OM dated 28.4.2023, it is directed that all the valid ECs issued by the DEIAA shall be appraised by the SEAC/SEIAA in compliance to the order of the Hon'ble NGT in OA 142 of 2022 and a checklist has been provided in the said OM for uniform**

approach across the country. Therefore, the Committee decided to refer the proposal to the SEIAA for appropriate action.

PARIVESH FILES

PART 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01 **Environmental Clearance for the existing Steel making and Rolling Mill of 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)**

As invited, the project proponent Sri. Moidu K. E. and Consultant Sri. G.V. Reddy from TEAM Labs was present. The consultant made the presentation of the EIA report. The production capacity is to manufacture MS Billets of 100 MTPD and TMT Bars of 110 MTPD. The nearest habitation from the plant site is Nallalam village at a distance of 0.01 km in NW direction. The total water requirement is 120.5 KLD. The total project cost is 53.5 crores. The Committee evaluated the EIA report and noted the following shortcomings;

1. Precipitation details over three months is not found provided
2. There is a mismatch between water requirement and its source.
3. Mismatch of total of material balance with quantity of raw materials.
4. Consent from the KWA is not submitted regarding the dedicated supply of water for the project.
5. Maximum credible accident analysis has not been done.
6. Stack monitoring and its capacity enhancement plan are not provided.
7. Usage of renewable energy details not provided.
8. Recoverable conservation measures & renewable energy resource utilization plan.
9. Sources of effluents, treatment process, sludge generation and sludge management
10. Clarity on water balance scheme
11. Corporate Environmental Responsibility plan is not found provided

Based on the discussion, the Committee decided to entrust the Sub-Committee of SEAC including Dr. C. C. Harilal, Dr. A V Raghu and Sri. A.N. Manoharan to conduct field inspection and report. The Committee also desired the SEIAA to depute the Environmental Scientist and Environmental Officer of SEIAA to join the Sub Committee of SEAC for field inspection to understand the scientific process of steel making and re-rolling and environmental appraisal of such plants to ensure continuity of appraisal of such plants and strengthen the scientific capacity of the SEIAA.

Item No.02

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

As invited the project proponent Sri. Dirsha K Mohammed, Babu , Chief Operating Officer, and Sri. Arun K. P Quality Head were present. The consultant G.V. Reddy from TEAM Labs and Consultant made the presentation of the EIA report. As per the application, the production capacity is to manufacture TMT Bars of 290 MTPD. The nearest habitation from the plant site is Mannukkad village at a distance of 0.73 km in south direction. The total water requirement is 132 KLD. The total project cost is 20.47 crores. The Committee observed the following shortcomings;

1. Maximum credible accident analysis has not been done.
2. Stack monitoring and its capacity enhancement plan not provided.
3. Recoverable conservation measures and renewable energy resource utilization plan.
4. Revised and site-specific EMP.
5. Revised CER plan is to be submitted as per the guidelines published in the SEIAA website.

Based on discussion, the Committee decided to entrust the team of Dr. K. Vasudevan Pillai, Dr. A.V Raghunath, Sri. S. Sheik Hyder Hussain and Sri. V. Gopinathan to conduct field inspection and submit report. The Sub-Committee is also entrusted to evaluate the EIA report and submit the report along with the field verification report.

Item No.03

Environmental Clearance for the Granite Building Stone Quarry project of Sri. V K Ramachandran for an area of 0.9999 ha at Resurvey No. 124/3 and 124/4 in Akathethara Village, Palakkad Taluk, Palakkad (SIA/KL/MIN/420459/2023, 2450/EC3/2023/SEIAA)

As invited the project proponent Sri. V K Ramachandran and Sri. Haneesh Panicker, functional area expert was present. The RQP V. K. Roy made the presentation. As per the application, the total mineable reserve is 131470 MT with an annual production of 27000 MT. The life of mine is 5 years. The highest elevation is 135 m MSL and lowest is 60 m above MSL. The depth to water table is 8m bgl. The distance to the high hazard zone is 3.38 km. The project cost is Rs.131.75 lakh. **The Committee observed that the following documents/details are required for further appraisal of the proposal.**

1. Recently monitored non-monsoon baseline environmental data
2. Revised CER as per guidelines uploaded in the SEIAA website
3. Details of water requirement.
4. Depth to water table measured in the nearest open well with geotagged photographs, elevation of the well site and distance from the project boundary.
5. Recent certified legible Survey Map indicating distance to all the built structures within 200m distance from the project boundary.

6. Revised site-specific EMP incorporating CER.
7. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire project area.

The Committee decided to direct the project proponent to submit the above documents/clarification for further appraisal of the application.

**Item No.04 Environmental Clearance for Laterite building stone quarry of Sri. Luka P.J, for an area of 0.9784 Ha at Re-Survey No.149/2,150/56 in Kadalundy Village, Kozhikode Taluk, Kozhikode
(SIA/KL/MIN/428190/2023, 2279/EC4/2023/SEIAA)**

As invited the project proponent Sri. Luka P.J and RQP Dr. Nazar Ahamed K. V were present. The RQP made the presentation. As per the application, the total mineable reserve is 85610 MT with an annual production of 21402.5 MT. The highest elevation is 64 m MSL and the lowest is 41 m MSL. The mine life is 4 years. The project cost is 30 Lakh. The depth to water table is 9m bgl. The proposed quarrying is expected to cross 5 m depth. The site is sloping towards the Kadalundi river, which is around 70 meters from the project site. The magnitude of slope is high. The Committee heard the presentation and observed that the following details are not submitted by the Proponent.

1. Detailed drainage plan for the site and surrounding areas considering that the site is steeply sloping towards Kadalundi river located close by.
2. Map indicating the site of storage of OB dump / top soil with protective measures considering the slope of the terrain.
3. Road map to the project site
4. Depth to water table in the nearest dug well along with geotagged photograph of the well, distance of the well from the project boundary and elevation of the well site.
5. Litho-section of the site along with the characteristics of laterite encountered.
6. Revised site-specific EMP considering the slope and erosion proneness of the project site and with measures to control erosion / siltation to nearby water bodies.
7. Land use details of the project site along with green belt development proposal.
8. Revised CER as per the guidelines uploaded in the SEIAA-Kerala website.

The Committee also ascertained the following facts from the Proponent and RQP:

1. The site is highly sloping towards the Kadalundi river, which is around 70 meters from the project site. The chance of erosion and siltation to the river is expected to be higher during quarry operation. The drainage plan submitted is only concerning the project site.
2. Due to the slope of the terrain, OB / top soil dump requires protection and such details are not specified in the mining plan.
3. A church is in the northern side of the project site and the proposed site belongs to the church. There is no separate access road to the project site.
4. The area adjoining the project site has already been subjected to mining.

Considering the nearness to the River Kadalundi, slope of the terrain towards the river, nature and thickness of the soil and fragility of the terrain, the committee decided to recommend rejection of the proposal invoking Precautionary Principle.

Item No.05 Environmental Clearance for the Granite Dimension Stone Quarry Project of Sri. T D Ponraj for an area of 1.3065 Ha at Survey Nos.118/20,118/7,118/8, 118/27, 118/27-1, 118/21pt, 118/23pt, 120/5, 117/3pt in Ottasekharamangalam Village, Kattakada Taluk, Thiruvananthapuram. (SIA/KL/MIN/440548/2023, 2435/EC3/2023/SEIAA)

As invited, the project proponent, Sri. T.D. Ponraj and the RQPs, Sri D.P. Sreekumar and Dr. Nazar Ahamed were present. Dr. Nazar Ahammed, the RQP with consent made the presentation with a video of the project area. The Committee observed that EC dated.19.05.2018 was issued by DEIAA, Thiruvananthapuram for a period of five years and now the proponent submitted application for fresh EC as per OM dated.28.04.2023. It is reported that the mining is yet to be commenced. As per the application, the total mineable reserve is 422544 MT with annual production of 35000 MT. The life of mine is 12 years. The highest elevation is 180 m MSL and lowest is 135 m MSL. The medium hazard zone is 3.5 km away from the project site and the high hazard zone is far away from the project site. The project cost is Rs.1.5 crore. The Committee noted the requirement of the following details for further appraisal of the project.

1. Proof of application submitted to the NBWL for Wild Life Clearance as the Neyyar Wild Life Sanctuary is at 3.15 km
2. Proposal for 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 & Ors.
3. Clarification regarding the natural stream observed as per the google map
4. Certificate from the mining and geology department stating that the quantity already mined out has not exceeded the quantity as per prospective licensee and the mining has been done as per DEIAA EC dated 19.05.2018.
5. Recently certified survey map showing all the built structures within 200m radius.
6. Proposal for managing the quarry waste.

Based on discussion, the Committee decided to entrust Er. M. Dileepkumar and Dr. A. Bijukumar for field inspection and report.

Item No.06

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 per the decision of the 154th SEAC meeting, the proponent was invited for presentation by prior intimation letter dated 02/02/2024, However, the project proponent was absent due to health issues as informed. **Hence the Committee decided to defer the proposal.**

Item No.07

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K J Thomaskutty, Managing Partner, M/s Mary Matha Granites for an area of 2.0778 Ha. at Block No. 25, Re-Survey Nos. 110/1, 110/2, 112/2 & 112/3 in Akathethara Village, Palakkad Taluk, Palakkad. (SIA/KL/MIN/444012/2023, 2447/EC3/2023/SEIAA)

As invited, the project proponent Sri. K. J. Thomaskutty, Managing Partner, M/s Mary Matha Granites and the RQP Shri. Jayachandra Panicker was present. The RQP made the presentation. The Committee noticed that there is an O A No. 124 /2021, filed by Sri Sibi Joseph before National Green Tribunal regarding the illegal operation of quarries in Palakkad District owned by M/s Royal Sands and Gravels (8th respondent) and M/s Mary Matha Granites (9th respondent). The cases O.A No. 124 /2021 and I.A No. 18/2022 is disposed of on 20.12.23 (Copy annexed). The operative part of the judgment under reference is extracted below;

1. It is declared that the mining operation done by the 9th respondent-M/s. Mary Matha Granite Pvt. Ltd, in the disputed area after 15.01.2016, till 07.07.2022 (2363 days) on the basis of the old lease is illegal and unauthorized and they are liable to pay environmental compensation for the quantity of mined articles which has to be assessed by the Kerala Pollution Control Board after ascertaining the illegally and unlawfully mined quantity by Mining and Geology Department.
2. The Department of Mining and Geology is directed to assess the excess quantity mined and collect royalty lost to the exchequer for excess and illegal mining from 15.01.2016 besides collecting market rate of the quantity mined and penalty as directed by the Hon^{ble} Apex Court in Common Cause. Vs. Union of India and Ors-(2017) 9 SCC 499 on the basis of the old lease and take steps to recover the amount from 9th respondent- Mary Matha Granite Pvt Ltd., in accordance with law.
3. The Mining and Geology Department is also directed to ascertain as to whether the 9th respondent had complied with the mine closure plan provided while executing the mining lease of 2010 and if he had not complied with the same, take appropriate action against them for enforcing the mining closure plan and recover the damage, if any, caused on account of the same to the environment from the 9th respondent- M/s. Mary Matha Granite Pvt. Ltd, in accordance with law.

4. It is open to the 9th respondent- M/s. Mary Matha Granite Pvt. Ltd, to continue with the quarry operation only after obtaining prior Environmental Clearance and all the valid licenses and approvals required from the authorities concerned.

The committee found that the project proponent had suppressed the facts in connection with the Court Case while submitting the application for EC. Earlier the project proponent submitted an application for EC and based on the evaluation and field inspection, the SEIAA directed the PP to submit TOR application. In order to avoid EIA study and public consultation, the PP now submitted a fresh application by reducing the area. This seems to be against the Hon'ble Supreme Court's direction in the Deepak Kumar Vs State of Haryana case. **Considering these aspects, the SEAC decided to recommend rejection of the application. It is also suggested that the RQP may be advised to examine the suppression of fact and other aspects before applying for EC/ToR.**

Item No.08 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Ashique Ali for an area of 2.4147 Ha at Block no: 22, Resurvey no 307/3,308/12,308/13,308/15,308/26, in Malayattoor Village, Aluva Taluk, Ernakulam. (SIA/KL/MIN/444903/2023, 2449/EC1/2023/SEIAA)

As invited, the project proponent, Sri. Ashique Ali and the RQP, Sri. C. Balram was present. The RQP made the presentation along with geotagged photographs of the proposed area for Compensatory afforestation. As per the application, the total mineable reserve is 590383 MT. The life of mine is 5 years. The highest elevation is 177 m MSL and lowest is 110 m MSL. The high-hazard zone is at 4 km. The project cost is Rs.2.5 crore. About 30% of the project area is in the moderate hazard zone. The Committee observed that the following additional documents/details are required for further appraisal of the proposal.

1. Clarity regarding the CER proposal, the area of the proposed building to be constructed for the BPL family.
2. Approval of the District level Crisis Management Committee for mining as part of the site falls in the moderate hazard zone.
3. Compensatory afforestation plan along with geo-tagged photograph of the site, species proposed to be planted and ownership details of the proposed land
4. Copy of Non assignment Certificate
5. Recently monitored non-monsoon baseline environmental data as the one submitted require revalidation.
6. Depth to water table measured in the nearest open well to the site with geotagged photographs, elevation of the well site and distance from the project boundary

Based on the discussion, the Committee decided to entrust Dr. N. Ajithkumar and Sri. S. Sheik Hyder Hussain for field inspection and submission of report.

Item No.09

Environmental Clearance for the Granite Building Stone Quarry of Sri. Shemeel R, Managing Partner & Authorized Signatory, M/s. Galaxy Rocks for an area of 4.2146 Ha at Re-Survey No: 416/10, 416/12, 419/3-2, 416/3, 416/3-3, 417/8, 417/7, 417/8-2, 417/3, 417/9, 417/2, 417/1-2, 413/2, 417/1-3, 417/1-6, 417/1-4, 417/1-5 in Kummil Village, Kottarakkara Taluk, Kollam (SIA/KL/MIN/445259/2023, 2162/EC2/2022/SEIAA)

As invited, the project proponent Sri. Shemeel R, M/s. Galaxy Rocks and the RQP Sri. V. K. Roy and Smt. Ananthitha, EIA consultant, Ultra Tech Environmental Consultancy were present. The consultant made the presentation of the EIA report. The standard ToR condition was approved on 21/03/2023, as per the cluster certificate dated 29/11/2024 there is another quarry project within 500m radius. As per the EIA report the area is a hillock and is part of an undulating terrain. The highest elevation of the lease area is 130m above MSL towards the middle of the lease area and the lowest is 90m above MSL on the east. The medium hazard zone is at a distance of 5.08 km and high hazard zone is at a distance of 20.25 km. The public hearing was conducted on 22.07.2023 at Kadakkal panchayath town hall. The committee noticed that the CER requires revision including local demand by consulting the ward member or other local persons. The compensatory afforestation plan should be with the sufficient number of plants to compensate the 863 nos of trees to be removed from the area. **Based on the discussion, the Committee decided to entrust Dr A. Biju Kumar and Dr. R. Ajayakumar Varma to conduct field inspection and submit report.**

Item No.10

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Sasidharan Murikyal for an area of 0.1942 Ha at Re-Survey No. 46/933 in Kalliad Village, Iritty Taluk, Kannur (SIA/KL/MIN/445528/2023, 2431/EC4/2023/SEIAA)

As invited, the proponent, Sri. Sasidharan Murikyal and RQP Shri. V. K. Roy was present. The RQP made the presentation along with geo-tagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area. As per the application, the total mineable reserve is 3680 MT. The life of mine is 1 year. The highest elevation is 162 m MSL and the lowest is 161 m MSL. The depth to water table is 8m bgl. The project cost is Rs.10 lakhs. **Based on the discussion, the Committee decided to direct the Proponent to submit the following additional documents.**

1. Clarification regarding the sheds at close proximity to the project area and plan for maintaining a buffer of 50m between the building and proposed site.
2. Recent cluster certificate.

Item No.11 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Ajayan Joseph, Managing Partner, M/s K & K Granites for an area of 0.9920 Ha at Survey No: 32/2 in Purappuzha Village, Thodupuzha Taluk, Idukki.**
(SIA/KL/MIN/446443/2023, 2440/EC2/2023/SEIAA)

As invited, the project proponent, Sri. Ajayan Joseph and RQP Shri. V. K. Roy was present. The RQP made the presentation. As per the application, the total mineable reserve is 224600 MT with annual production of 74800 MTA. The life of mine is 3 years. The highest elevation is 140 m above MSL and lowest is 120 m above MSL. The medium hazard zone is at 929 m. The depth to water table is 8 m below ground level and therefore, mining may not be feasible beyond 115m above MSL. The nearest house is at 108.9 m. The project cost is Rs.1.5 crore. **Based on the discussion, the Committee decided direct the Proponent to submit the following additional documents.**

1. The depth to water table in the nearest dug well along with geo-tagged photograph of the well, elevation of the well site and distance from the project boundary.
2. Recently monitored baseline environmental data for revalidating the one submitted
3. The landuse map
4. Geotagged photographs of the project area and its surroundings showing the landuse-landform characteristics of the area and all the boundary pillars

Item No.12 **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)**

As invited, the proponent Sri.Varghese. M. P and RQP Dr. Nazar Ahammed were present. The RQP made the presentation. As per the application, the total mineable reserve is 64960 MT with annual production of 32480 MT. The life of mine is 2 years. The highest elevation is 84 m above MSL and lowest is 68 m above MSL. In Form IM, it is mentioned that a temple is situated at 0.469 m. It is also reported that the nearest house is at 20m and there are three buildings and sheds within 50m of the project boundary. The depth of mining is mentioned as 4m in the Mining Plan and 2 m in the PFR. The project cost is Rs.25 lakh. The depth of mining is 4m. **Based on discussion, the Committee decided to entrust Dr N Ajithkumar and Sri. S. Sheik Hyder Hussain for field inspection and report.**

Item No.13 **Environmental Clearance for the mining of Ordinary Earth by Sri. Paul Varghese for an area of 0.9099 Ha at Re. Survey Nos. 306/1-4, 306/1-5 in Keezhmad Village, Aluva Taluk, Ernakulam.**
(SIA/KL/MIN/447154/2023, 2436/EC1/2023/SEIAA)

As invited, the proponent Sri. Paul Varghese and RQP Dr. Nazar Ahammed were present. The RQP made the presentation. As per the application, the total mineable reserve is 45495 MT with annual production of 22747.5 MT. The life of mine is 2 years. A church is situated

at 67 m and a mosque at 84 m. The project cost is Rs.25 lakh. The depth of mining is mentioned as 2.5 m. The depth to water table is reported as 8m below ground level. **Based on the discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. End user demand note addressing the PP along with geotagged photographs of the place where the material will be used.
2. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary

Item No.14 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Rajan M for an area of 0.7989 Ha at Block No.05, Re Survey No: 172/1-2 in Kuruva Village, Perinthalmanna Taluk, Malappuram(SIA/KL/MIN/448740/2023, 2429/EC1/2023/SEIAA)

As invited the project proponent Sri. Rajan M and RQP Shri. V. K. Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 76893 MT with annual production of 25631 MT. The life of mine is 3 years. The medium hazard zone is at 3.10 km. The nearest house is at 51.7 m. Two more houses are at 52.7 m. The project cost is Rs.21,06,250/-. **Based on the discussion, the Committee decided to direct the Proponent to submit the following additional documents.**

1. Compensatory afforestation plan along with geotagged photograph of the proposed site, ownership details of the land and species proposed to be planted.
2. Geotagged photographs of the project area and its surroundings showing the landuse-landform characteristics of the area and all the boundary pillars
3. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary

Item No.15 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Chandradas T., for an area of 0.0972 Ha. at Survey Nos.484/1pt 891 in Pullur Village, Hosdurg Taluk, Kasaragod (SIA/KL/MIN/449770/2023, 2434/EC4/2023/SEIAA)

As invited the project proponent Sri. Chandra Das and RQP A. Mahammad Kunhi was present. The RQP made the presentation. As per the application, the total mineable reserve is 3680 MT. The life of mine is 1 year. The highest elevation is 162 m MSL and the lowest is 161 m MSL. The project cost is Rs.10 lakhs. On examining the KML file, a building is situated at 20 m. **Based on the discussion, the Committee decided to direct the Proponent to submit the following additional documents.**

1. Cluster certificate.
2. Geotagged photographs of the project area and its surroundings showing the landuse-landform characteristics of the area and all the boundary pillars
3. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary

4. Plan for maintaining a buffer of 50m between the building located at a distance of 20m and the project boundary

Item No.16 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Chakko K.M., for an area of 0.0972 Ha at Bock No: 070, Re-Survey No: 49/1055 in Nidiyenga Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/450538/2023, 2433/EC4/2023/SEIAA)**

As invited the project proponent Sri. Chakko K.M. and RQP V. K. Roy was present. The RQP made the presentation along with the geotagged photographs of the project area and its surroundings from all the boundary pillars and the video showing the entire area. As per the application, the total mineable reserve is 9356 MT. The life of mine is 1 year. The distance to the high hazard zone is 6.20 km and to the medium hazard zone is 2.20 km. The depth to water table is 7m bgl. A shed is situated at 50.3 m. The project cost is Rs.3,63,500/-. **Based on the discussion, the Committee decided to direct the Proponent to submit the following additional documents.**

1. Recently certified survey map of the project area showing all the built structures within 100m radius
2. Compensatory afforestation plan along with geotagged photograph of the proposed site, ownership details of the land and species details.
3. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary

Item No.17 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Shihabudheen for an area of 0.1787 Ha at Block No.01, Re Survey Nos: 553/1B-35, 553/1B-36 in Malappuram Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/450897/2023, 2437/EC1/2023/SEIAA)**

As invited the project proponent Sri. Shihabudheen and RQP V. K. Roy was present. The RQP made the presentation along with Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area as well as the additional details required. As per the application, the total mineable reserve is 15637 MT. The life of mine is 2 years. The depth of mining proposed is 5m bgl. The nearest house is at 101 m. The project cost is Rs.7.24 lakh. The depth to water table is 10m bgl at 91m AMSL. the thickness of mining is 5m. **Based on the discussion, the Committee decided to recommend EC for the 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/labourers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of 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 one year from the date of EC and it should be 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 pm)

Item No.18 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. A Gopalakrishnan for an area of 0.0971 Ha. at Survey Nos. 324/2PT4, in Kinanoor Village, Vellarikund Taluk, Kasaragod (SIA/KL/MIN/451346/2023, 2444/EC4/2023/SEIAA)

As invited Sri Aneesh Kumar was present on behalf of Sri. A Gopalakrishnan was present. The RQP A. Mohammad Kunhi made the presentation. As per the application, the total mineable reserve is 3667 MT. The life of mine is 1 year. The highest elevation is 103 m MSL and the lowest elevation is 99m MSL. The depth of mining proposed is 4m bgl and the depth to water table is 14 m. The project cost is Rs.10 lakh. **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/labourers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of 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.19 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Christo Cheriyan for an area of 0.3480 Ha at Block No: 211, Re-Survey No: 9/3 in Padiyoor Village, Iritty Taluk, Kannur (SIA/KL/MIN/451424/2023, 2442/EC4/2023/SEIAA)

As invited the project proponent Sri. Christo Cheriyan and RQP V. K. Roy was present. The RQP made the presentation. As per the application, the total mineable reserve is 31973 MT (16,748 MT for first year and 15,225 MT for second year). The life of mine is 2 years. The distance to the nearest house is at 178.4 m. The project cost is Rs.11.7 lakh. The depth to water table is 7m below ground level. **Based on the discussion, the Committee decided to direct the 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 and distance to it from the project boundary
2. Geotagged photographs of the project area and its surroundings showing the landuse-landform characteristics of the area and all the boundary pillars

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

As invited the project proponent Sri. Kunhimammed and RQP Dr. Nazar Ahammed were present. The RQP made the presentation. As per the application, the total mineable reserve is 28350 MT. The life of mine is 2 years. The highest elevation is 235 m MSL and lowest is 232 m MSL. The project cost is Rs.18 lakh. The depth of mining reported is 6m bgl and the depth to water table is reported as 10m bgl. **The Committee decided to direct the Proponent to submit the following documents/details;**

1. Revised CER along with a revised budget, specification and other details of the proposal
2. Compensatory afforestation plan along with geotagged photograph of the proposed site, ownership details of the land and species proposed to be planted.
3. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and distance to it from the project boundary
4. Geotagged photographs of the project area and its surroundings showing the landuse-landform characteristics of the area and all the boundary pillars

Item No.21**Environmental Clearance for the Laterite Building Stone Quarry of Sri Sebastian George for an area of 0.1942Ha at Re-Survey No: 57/110 in Peringome Village, Payyanur Taluk, Kannur (SIA/KL/MIN/451754/2023, 2445/EC4/2023/SEIAA)**

As invited the project proponent Sri Sebastian George and RQP V. K. Roy were present. The RQP made the presentation along with the geo-tagged photographs of the project area and its surroundings from all the boundary pillars and the video showing the entire area. As per the application, the total mineable reserve is 16994 MT with an annual production of 8497 MT. The life of mine is 2 years. The project does not fall in any landslide hazard zone. The depth of water table is 9m below ground level. The nearest house is at 56.5 m. The project cost is Rs.6.02 lakh. **The Committee decided recommended EC for a mine life of 2year 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/labourers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of 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.22

Environmental Clearance for the Granite Building Stone Quarry of Sri. Mohanan. G for an area of 0.8132 Ha at Block No.10, Survey Nos. 390/4, 5/1, 5/2, 392/1, 3/3, 3/4, 3/5, 392/4, 24, 25, 392/2/2, 3/2, 16 in Kalayapuram Village , Kottarakkara Taluk , Kollam.
(SIA/KL/MIN/452253/2023, 2453/EC1/2023/SEIAA)

As invited, the proponent Sri. Mohanan. G. and RQP Shri. Jayachandra Panicker. P. S was present. The RQP made the presentation. As per the application, the total mineable reserve is 161153 MT with an annual production of 53718 MT. The life of mine is 3 years. The highest elevation is 100 m AMSL and the lowest elevation is 80 m AMSL. The depth to water table is 5m bgl. The depth of mining proposed is 65m above MSL and it needs to be restricted to 75m above MSL considering the depth to water table. The nearest house is at 55 m and the nearest building is at 14m as per the survey map. The project cost is Rs.1.3 crore. The site does not fall in any landslide hazard zone. **Based on discussion, the Committee decided to recommend EC for a mine life of 3year subject to the following specific conditions in addition to the general conditions:**

1. The depth of mining should be limited to 75m AMSL by considering the depth to water table.
2. The mining should be permitted only by leaving a buffer distance of 50m between the building located at 14m from the proposed project boundary and the actual mine area.
3. A temporary wall of 2m height should be provided connecting BP12-BP13-BP14 to minimize the impact on the buildings and roads located on the west side of the project area.
4. Development of green belt should be initiated prior to the commencement of mining using indigenous species.

5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. 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.
7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
8. 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).
9. 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.
10. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
11. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
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 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. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.
16. 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.
17. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
18. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR

Item No.23

**Environmental Clearance for the Proposed Construction of Court Complex at Re-Sy. No. 16, Re-Sy. Block No. 117 in Palakkad-III Village, Palakkad Municipality, Palakkad Taluk & District, Kerala (KIIFB Assistance Project)-
(SIA/KL/INFRA2/456841/2023; 2485/EC3/2023/SEIAA)**

As invited, the representative of Court Complex Palakkad Municipality, Mr. Ragesh Chandrasekharan, Regional Manager Kerala Construction Corporation was present on behalf

of the Registrar (District Judiciary), Hon'ble High Court of Kerala. The EIA consultant Sri. P Z Thomas, M/s Environmental Engineers and Consultant Pvt Ltd presented the proposal. As per the proposal the plot area of the project is 1.1938 ha. (11,938 sqm) with a built-up area of 20,623 sq. m. The project cost estimated is Rs.6833 Lakh. The committee discussed the proposal and suggested the following.

1. Plan for maintaining the pond and drain behind the proposed site
2. Plan for enhancing the parking facility
3. Plan for reducing the traffic congestion expected by planning the entry and exit gates appropriately and also by providing additional road through the rear side

Based on discussion, the Committee decided to entrust the team of Dr A. V. Raghu and Sri. S. Sheik Hyder Hussain for field inspection and report.

Item No.24 Environmental Clearance for the mining of China clay by the Kerala Ceramics Ltd. for an area of 1.6900 Ha at Re Survey Block No. 10, Re-Survey Nos: 386/9-2, 386/10-2, 386/10, 386/21-2, 387/11, 387/13, 387/14, 387/16, 387/18, 387/18-2-2, 387/25, 387/26, 387/27, 387/28, 387/29, 387/35, 387/36, 387/37, 387/38, 387/39 and 392/1-2 in Perayam Village, Kollam Taluk, Kollam. (SIA/KL/MIN/455763/2023, 2481/EC1/2023/SEIAA)

As invited the project proponent Sri. Satheesh Kumar, Sri. Padma Kumar, Managing Director of Kerala Ceramics Ltd, Mr. Samson A., Mining Consultant and Manager, HR and Sri. Manoj, Manager P&A were present. The RQP Sri. V.K. Roy made the presentation. As per the application, the average proposed production is around 30,000 MT for the first eight year and 22,300 MT for ninth & tenth year and the expected life of mine is ten years. There are two houses near to the project area viz. the house of Mary Hamlet (within in the buffer zone of the lease area between BP2 & BP3, proposed to be demolished after the settlement of the dispute) and House of Reena, No. 628, 25.8m from north boundary (Consent for mining given by Reena.). The Depth to the water table is 6.5m below ground level. The project cost is Rs. 1,15,00,000/-. **The Committee observed that the proposal lacks the following documents;**

1. The water table is below -9AMSL hence permission from Central Ground water Authority is required.
2. The buildings/ structures in the buffer zone are to be demolished rather than the affidavit from the concerned.

Based on the discussion, the Committee decided to entrust Dr. R. Ajayakumar Varma and Dr. A. Bijukumar for field inspection and report.

PARIVESH FILES

PART 3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01 **Re-appraisal of Environmental Clearance for conversion of DEIAA EC to SEIAA EC. Granite Building Stone Quarry of Shri. Biju Thomas, over an extent of 1.6540 Ha at Sy No. 146/1 in Kallar Village, Vellarikundu Taluk, Kasaragod. (SIA/KL/MIN/452003/2023, 2511/EC4/2024/SEIAA)**

The Committee examined the application submitted by Shri. Biju Thomas and observed that the environmental clearance was issued by DEIAA, Kasargod vide EC No A 6500/17 dated 20/10/2017. As per the OM dated 28/4/2023, the project proponent having EC obtained from DEIAA have to obtain fresh EC from the SEIAA based on submission of details as per the checklist in the OM. The Committee observed the following shortcomings in the application.

1. The survey map is not legible
2. Baseline environmental monitoring data is not revalidated as per norms.
3. Compensatory Afforestation Plan with details is not submitted
4. Non-assignment Certificate is not found uploaded.
5. CER plan as per the guideline published in the SEIAA website is not provided.
6. Cluster Certificate from the M&G Department
7. Certificate from the Mining & Geology Dept.
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. All the details as per the checklist in the OM dated 28.4.2023 is not provided

The Committee decided to invite the proponent for presentation. The PPT shall address the above said shortcomings.

Item No.02 **Laterite Building Stone Quarry of 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)**

The Committee perused the proposal along with all the documents submitted and found that the plot area of the project is 0.0971 Ha. As per the application, the total mineable reserve is 9346 MT. The life of mine is 1 years. The nearest house is 57.4m. The nearest medium hazard zone is 1.73km. The depth to water table is 6m below ground level. The total project cost is 3,68,750/-. **The Committee after due verification decided to invite the project proponent for a presentation. The presentation may be done along with the geotagged photographs of the area and boundary pillars and video of the site and surroundings for visual appraisal of the area.**

Item No.03 **Environmental Clearance for Laterite building stone quarry of Mr. Nassar EL, over an extent of 0.0971 Ha, Survey No. 96/pt20 in Ambalathara Village, Hosdurg Taluk, Kasaragod (SIA/KL/MIN/454516/2023, 2510/EC4/2024/SEIAA)**

The Committee examined the application submitted by Mr. Nassar EL. As per the application, the total mineable reserve is 6807MT with a mineable reserve of 4084 MT. The highest elevation of the permit area is 109 m MSL and the lowest is 106 m MSL. The life of mine is 1 year. The Committee noted that the CER plan as per the guideline published in the SEIAA website is not provided. **The Committee decided to invite the proponent for presentation. The presentation may be done along with the geotagged photographs of the area and boundary pillars and video of the site and surroundings for visual appraisal of the area.**

Item No.04 **Laterite Building Stone Quarry of Shaji M M for an extent 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]**

The Committee examined the application submitted by Shaji. M. M. As per the application, the quantity proposed for mining is 8496 MT. 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 Committee noted that the Cluster Certificate from the M & G Department is not provided. **The Committee decided to invite the proponent for presentation. The presentation may be done along with the geotagged photographs of the area and boundary pillars and video of the site and surroundings for visual appraisal of the area.**

Item No.05 **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]**

The Committee examined the application submitted by Sri. V. T. Joseph. As per the application the total mineable reserve is 13594 MT. The life of mine is 2 years. The depth to the water table is 7m below the ground level at a distance of 171m. The mining is proposed at a depth of 4m. The total project cost is Rs. 6,12,000. **The Committee decided to invite the proponent for presentation. The presentation may be done along with the geotagged photographs of the area and boundary pillars and video of the site and surroundings for visual appraisal of the area.**

Item No.06 **Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Santhosh Kombrain Block No:42, Re-Survey**

**No:35/966 of Panappuzha Village, Payyannur Taluk, Kannur District, Kerala for an extent of 0.1943 Ha.
[SIA/KL/MIN/455037/2023, 2502/EC4/2024/SEIAA]**

The Committee examined the application submitted by Santhosh Kombra. As per the application, the proposed production capacity is about 9,710 MT per annum and the total mineable reserve is 15302MT. 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 Committee after due verification decided to invite the project proponent for presentation. The presentation may be done along with the geotagged photographs of the area and the boundary pillars and video of the site and surroundings for visual appraisal of the area.**

**Item No.07 Granite Building Stone Quarry of Mr. Udayan. S over an extent of 0.9882 Hectares in Re-Survey No.324/1-2pt, 320/7-2pt & 324/2pt at Veliyam Village of Kottarakara Taluk, Kollam.
[SIA/KL/MIN/455590/2023, 2503/EC1/2024/SEIAA]**

The Committee examined the application submitted by Sri. Udayan. S. As per the application, the proposed production the total mineable reserve is 164485 MT to a depth to 25m from the top elevation. The life of mine is 3 years. The highest elevation of the permit area is 104 m AMSL and the lowest is 86 m AMSL. The moderate hazard zone is 26 Km away from the permit area. The total project cost is Rs 33,00,000/-. The Committee observed the following short-comings:

1. The current land use given seems to be wrong and hence need revision
2. Proof of stakeholder consultation for CER is not submitted
3. 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
4. Compensatory afforestation plan along with geotagged photograph of the proposed site, species proposed to be planted and ownership details of the land

The Committee decided to invite the proponent for presentation. The presentation may be done along with the geotagged photographs of the area and the boundary pillars and video of the site and surroundings for visual appraisal of the area.

**Item No.08 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 District, Kerala.
[SIA/KL/MIN/456000/2023, 2515/EC4/2024/SEIAA]**

The Committee examined the application submitted by Sri.Abdul Kareem. As per the application, the total mineable reserve is 106237.5 MT. 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 Committee noted that the depth to water table in the nearest dug well along with geo-tagged photographs of the well and distance to the well from

the site is not submitted. **The Committee decided to invite the proponent for presentation. The presentation may be done along with the geotagged photographs of the area and the boundary pillars and video of the site and surroundings for visual appraisal of the area.**

**Item No.09 Environmental Clearance for the Granite Building Stone Quarry of M/s. Rudra Stone and Crusher Private Limited, Managing Director, Sri. Anoop P V for an area of 1.6896 Ha at Block No.30, Re-Survey Nos. 113/6, 113/7, 113/6-1 in Thekkada Village, Nedumangad Taluk, Thiruvananthapuram, Kerala .
[SIA/KL/MIN/456003/2023, 2505/EC3/2024/SEIAA]**

The Committee examined the application submitted by Sri. Anoop P. V. As per the application, the proposed production capacity is about 98251MT per annum and the total mineable reserve is 491255MT. The life of mine is 5 years. The highest elevation of the permit area is 195m above MSL and the lowest is 110m above MSL. The moderate hazard zone is reported as 17 Km away from the permit area. The total project cost is Rs 1,70,00,000/-. The Committee noted the following short-comings:

1. The Compensatory Afforestation Plan with geotagged photographs of the area, species proposed to be planted and ownership details of the land.
2. Site specific EMP with mitigation measures and budget
3. Legible recently certified survey map indicating the houses and other built structures within 200m measured from the project boundary instead of from boundary pillars.

Based on discussion, the Committee decided to entrust Er. M Dilipkumar and Dr Biju Kumar A to conduct field inspection and report.

**Item No.10 Environmental Clearance for the Laterite (Building Stone) Quarry project of Sri. Vinod V for an area of 0.1943Ha at Block No:28 Re-Survey No: 149/101 in Kankol Village, Payyannur Taluk, Kannur
[SIA/KL/MIN/456236/2023, 2506/EC4/2024/SEIAA]**

The Committee examined the application submitted by Sri. Vinod V. As per the application, the total recoverable quantity of mineable reserve is 10201MT. The life of mine is 1 year. The highest elevation of the permit area is 73m AMSL and the lowest is 67m AMSL. Depth to water table 10 m below ground level at a distance of 66m AMSL. The distance from the nearest built structure is 130m. The total project cost is Rs. 3,57,250/-. **The Committee after due verification decided to invite the project proponent for presentation. The presentation may be done along with the geotagged photographs of the area and the boundary pillars and video of the site and surroundings for visual appraisal of the area.**

Item No.11 **Environmental Clearance 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]**

The Committee examined the application submitted by Sri. V. K. Vijayan. As per the application, the total mineable reserve is 9356 MT. The life of mine is 1 year. The distance of the nearest house is 85.7m. Depth to water Table is 6m below ground level at 146 m AMSL. The total project cost is Rs. 4,14,600/-. The Committee noted that the cluster certificate from the M &G Department is not submitted. **The Committee decided to invite the proponent for presentation. The presentation may be done along with the geotagged photographs of the area and the boundary pillars and video of the site and surroundings for visual appraisal of the area.**

Item No.12 **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]**

The Committee examined the application submitted by Sri. Sujith C. S. As per the application, the total mineable reserve is 9345 MT. The life of mine is 1 year. No houses are reported within 50m radius. The depth to water table is 7m below ground level. The high hazard zone is 9.4 km away from the permit area. The total project cost is Rs. 368750/-. The Committee noted that the cluster certificate from the M &G Department is not submitted. **The Committee decided to invite the proponent for presentation. The presentation may be done along with the geotagged photographs of the area and the boundary pillars and video of the site and surroundings for visual appraisal of the area.**

Item No.13 **Environmental Clearance for 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, Kerala. [SIA/KL/MIN/457294/2024, 2508/EC4/2024/SEIAA]**

The Committee examined the application submitted by Sri. Venu Nair P.P. As per the application, the total mineable reserve is 3670 MT. The life of mine is 1year. The highest elevation of the permit area is 89m AMSL and the lowest is 87m AMSL. The depth to water table is 9m below ground level at 81m AMSL. The depth of mine is 4m. The total project cost is Rs 10 lakhs. The Committee noted that CER plan as per the guidelines uploaded in the SEIAA website is not provided. **The Committee decided to invite the proponent for presentation. The presentation may be done along with the geotagged photographs of the area and the boundary pillars and video of the site and surroundings for visual appraisal of the area.**

Item No.14

**Environmental Clearance for the Granite building stone quarry project of M/s. Crushed Metal Products, Managing Partner, Shri 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 District, Kerala.
(SIA/KL/MIN/457432/2024 , 2507/EC2/2024/SEIAA)**

The Committee examined the application submitted by Shri Aju Varghese. As per the application, the proposed production capacity is about 54442.5 MT per annum and the total mineable reserve is 217770 MT. The life of mine is 4 years. The highest elevation of the permit area is 120m AMSL and the lowest is 100m AMSL. The total project cost is Rs. 1,30,00,000/- The Committee noted that the depth to water table in the nearest dug well along with geo-tagged photographs of the well and distance to the well from the site is not provided. **The Committee decided to invite the proponent for presentation. The presentation may be done along with the geotagged photographs of the area and the boundary pillars and video of the site and surroundings for visual appraisal of the area.**

Item No.15

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

The Committee examined the application submitted by Muhammed Ali. As per the application, the proposed production capacity is about 16,863MT per annum the proposed production capacity is about 35,403MT. The life of mine is 3 years. The distance of Nearest Infrastructure is 52.4m. The depth to water table is 7m below ground level at 125m AMSL. The total project cost is Rs 12,90,150/-. The Committee noted that the condor map of the project area is not submitted. **The Committee decided to invite the proponent for presentation. The presentation may be done along with the geotagged photographs of the area and the boundary pillars and video of the site and surroundings for visual appraisal of the area.**

CONSIDERATION OF TOR PROPOSALS**Item No.01**

Terms of Reference for Granite Building Stone Quarry of Mr.Jose A.K which is situated at 491/3A-6, 491/3A-7, 491/3A-8 for an area of 1.5906 hectares in Pindimana Village Kothamangalam Taluk, Ernakulam, Kerala [SIA/KL/MIN/457176/2023, 2500/EC1/SEIAA/2024]

The Committee examined the proposal and noted that the total area of the project is 1.5906Ha. The survey map submitted is not legible. The Cluster Certificate dated 30/11/2023 states that 3 quarries are located within 500m of the quarrying lease area of Sri Jose AK.

These three quarries mentioned in the cluster certificate are not working. The project cost is Rs. 1,96,98,250/-. Based on discussions, **the Committee decided to recommend Standard ToR, under Category 1(a) “Mining of Minerals”.**

PARIVESH FILES

PART 4

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01 **Environmental Clearance for the Granite Building Stone Quarry 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 verified the additional documents sought in the 149th SEAC meeting and found them satisfactory. The CCR of the adjacent quarry owned by the same proponent with EC from DEIAA for 5 years from 26.7.2018 is generally satisfactory. As per the application, the project area is 2.6465 Ha. The mineable reserve is 993382.6 MT and the mine life is 9 years. The project cost is 1.37 Crore. The depth to water table is 7m. The minimum and maximum elevation before mining is 115-185m AMSL and after mining is 95-185m AMSL. The distance to the moderate hazard zone is 5.6 km and the high hazard zone is 10.2 km. The distance to the nearest built structure is 88.2m and to the house is 102m. **The Committee after deliberations decided to recommend EC for a mine life of 9 years subject to the following specific conditions in addition to general conditions:**

1. The depth of mining should be limited to 110m above MSL instead of 95m above MSL.
2. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
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. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).

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

Item No.02 **Environmental Clearance for the Granite Building stone quarry of Sri. Muhammed K.P for an area of 1.0545 ha at Re-Survey Nos. 325/11,332/5,332/11,332/10,332/3&332/1-1in Kavanur village, Ernad**
[SIA/KL/MIN/410913/2022, 2215/EC/2023/SEIAA]

The committee examined the proposal deferred from the 156th SEAC meeting held on 05th & 06th January 2024. The Committee also perused the field inspection report. The additional documents sought in the 151st SEAC meeting are found satisfactory except the proof of consultation and mode of implementation. The Proponent may also verify whether there is any mismatch between the project boundary in the KML file uploaded and that provided in the mine plan. The survey map uploaded is not adequately legible and that indicates many built structures within 50m near the boundary pillar no. 8. The EMP is not site-specific and that no budgetary provision is given for environmental monitoring and mitigation measures. **The Committee after due verification decided to invite the project proponent for presentation.**

Item No.03

Environmental Clearance for the Laterite Building Stone Quarry of Sri.Suhaib Kunnan over an area of 0.9588 Ha at Re-Survey Nos: 7/2-6, 7/2-12, 7/2-13, 7/2-20 of Koppam Village, Pattambi Taluk, Palakkad. (New Proposal) [SIA/KL/MIN/413609/2023, 2204/EC1/2023/SEIAA]

The Committee examined the application submitted by Sri. Suhaib Kunnan. As per the application, the proposed production capacity is about 35,955 MT per annum and the total mineable reserve is 53,693 MT. The life of mine is 2 years. The distance of the nearest house is 75.3 m. The highest elevation of the permit area is 94m AMSL and the lowest is 88m AMSL. The depth to water table is 12m below the ground level. The total project cost is Rs. 22,00,000/-. The average thickness of laterite is 6m. **The Committee after due verification decided to invite the project proponent for a presentation. The presentation may be done along with the geotagged photographs of the area and boundary pillars and video of the site and surroundings for visual appraisal of the area.**

Item No.04

Environmental Clearance for the Granite Building Stone Minor Mineral Mining Quarry project of M/s VSC Villaments for an area of 2.700 Ha 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 of Aryanad Village, Nedumangad Taluk, Thiruvananthapuram. (Fresh Proposal) [SIA/KL/MIN/426206/2023 , 2261/EC1/2023/SEIAA]

The Committee examined the application submitted by M/s VSC Villaments for an area of 2.700 Ha. As per the application, the total mineable reserve is 12,81,015 MT. The life of mine is 10 years. The highest elevation of the lease area is 128 m AMSL and lowest is 95 m AMSL. The high and moderate hazard zone is at 9.20 km and 6.10 km away from the project area respectively. The depth to water table is reported as 10m bgl. The total project cost is Rs 2,50,00,000/-. The Committee observed the following short-comings.

1. Revised compensatory afforestation plan incorporating ownership details and geo-tagged photographs of the proposed area.
2. Land use details.
3. Proof of application submitted to NBWL for wild life clearance as the Neyyar Wildlife Sanctuary is at a distance of 6.5km from the project area.
4. Recently certified legible survey map indicating the houses, religious places and other built structures within 200m radius of the project site.

Based on discussion, the Committee decided to entrust Er. M Dilipkumar and Dr Biju Kumar A for field inspection and report.

Item No.05

Environmental Clearance for the Laterite building stone quarry of Sri. Faizal. K. P for an area of 0.7040 Ha at Block No.33, Re-Survey No.67/2 in Kuzhimanna Village, Kondotty Taluk, Malappuram.

[SIA/KL/MIN/433491/2023 , 2303/EC6/2023/SEIAA]

The committee examined the proposal and verified the additional documents submitted and found them satisfactory. As per the application, the mineable reserve is 73920 MT and mine life is 3 years. The project cost is 30 lakhs. The highest and lowest elevation of the proposed site is 194 m and 184 m respectively. The site is located on the summit of a hill having very steep slope with the hill climbs to 194m above MSL from the nearest valley having relative relief of 25m above MSL. The depth to water table is 7m bgl. The nearest built structure is at 105 m from the project boundary. **Based on discussion, the Committee decided to recommend EC for 3 years with the following specific conditions in addition to the general gonditions:**

1. The OB dumping is to be shifted to the lower contour region.
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/labourers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of the adjoining field having a width equal to at least half the depth of the proposed excavation.
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 1 year from the date of EC and it should be maintained during the rest of the EC period.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)

Item No.06**Environmental Clearance for the Laterite Building Stone Quarry project Sri. Hussain Babu for an area of 0.6635 Ha at Re.Sy No 249/2-4, 249/2-15 in Edayur Village, Tirur Taluk, Malappuram.
[SIA/KL/MIN/434152/2023 , 2311/EC/2023/SEIAA]**

The committee examined the proposal and verified the additional documents and found satisfactory. As per the application, the mineable reserve is 58056.25 MT. The life of mine is 3 years. The project cost is 30 lakh. The nearest building is at 58.3 m. A school is at 847 m. The highest and lowest elevation is 147 m and 134 m respectively. The depth to water table is 7m bgl. **Based on discussion, the Committee decided to recommend EC for 3 years with the following specific conditions in addition to the general conditions:**

1. The depth of mining should be limited to 5m below ground level considering the depth to water table as 7m below ground level.
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/labourers 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 pm)

Item No.07

**Environmental Clearance for the granite building stone quarry of M/S. Empire Crushers Private Limited, Managing Director, Sri. Sunil Chandran for an area of 1.2784 Ha at Block No.16, Re-Survey Nos.143/8-1, 143/9-1, 143/9-2pt, 144/4pt, 144/14pt, 144/15pt in Anad Village, Nedumangadu Taluk, Thiruvananthapuram District, Kerala (Fresh Proposal)
[SIA/KL/MIN/434229/2023 , 2307/EC1/2023/SEIAA]**

The Committee examined the application submitted by Sri. Sunil Chandran. As per the application, the proposed production capacity is about 60242 TPA, the total mineable reserve is 301210 MT and the life of mine is 5 years. The highest elevation of the permit area is 170 m AMSL and the lowest is 135 m AMSL. The site does not fall in any landslide hazard zones. The total project cost is Rs 1,37,00,000/-. The Committee noted the following shortcomings:

1. CER plan is incomplete and need revision as per the guidelines in the SEIAA website
2. EMP is inappropriate and mitigation measures are not site specific

Based on discussion, the Committee decided to entrust Er. M Dilipkumar and Dr Biju Kumar A for field inspection and report.

Item No.08

**Environmental Clearance for the Laterite Building Stone Quarry of Sri.Lakshmanan P.P for an area of 0.0971 Ha at Block No. 139, ReSurvey No: 209/2 in Chuzhali Village, Thaliparamba Taluk, Kannur .(Additional documents received-Deferred from 156th SEAC)
[SIA/KL/MIN/434404/2023, 2305/EC4/2023/SEIAA]**

The Committee examined the proposal and verified the additional documents submitted by the project proponent and found them satisfactory. As per the application, the mineable reserve is 7646MT and the mine life is 1 year. The depth to water table is 7m bgl. Based on discussion, the Committee decided to recommend EC for a period of 1years subject to the following specific conditions in addition to the general conditions:

1. The depth of mining should be limited to 5m bgl
2. The excavation activity should not involve blasting.
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.

9. Workers/labourers 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 pm)

PARIVESH 2.0

Item No.01 **Environmental Clearance for the Laterite Building Stone Quarry of Mr. Sabu Thomas for an area of 0.0971 Ha. at Survey No. 573/1 in Parappa Village, Vellarikundu taluk, Kasaragod.**
[SIA/KL/MIN/457645/2024]

Decision: The committee examined the application submitted by Mr. Sabu Thomas. As per the application, the mineable reserve of laterite building stone in the applied area is 3680MT with a reserve of 6142MT. The life of mine is 1 year. The Committee noted that the CER proposal need revision as per the guidelines in the website of the SEIAA. **The Committee after due verification decided to invite the project proponent for a presentation. The presentation may be done along with the geotagged photographs of the area and boundary pillars and video of the site and surroundings for visual appraisal of the area.**

Item No.02 **Environmental Clearance for Laterite Building Stone Quarry of the Sri. Lukmanul Hakeem K. for an area of 0.0595 Ha at Re-Survey No: 251/1-19-2 Vattamkulam Village, Ponnani Taluk of Malappuram.**
[SIA/KL/MIN/457867/2024]

Decision: The Committee examined the application submitted by **Mr. Lukmanul Hakeem K.** As per the application, the production capacity is 6545MT. The life of mine is 1 year. The distance from the nearest house is 59.19m. The total project cost is Rs 3.49 lakhs. The Committee noted the requirement of Cluster Certificate from the M &G Department for further appraisal of the proposal. **The Committee after due verification decided to invite the project proponent for a presentation. The presentation may be done along with the**

geotagged photographs of the area and boundary pillars and video of the site and surroundings for visual appraisal of the area.

Item No.03

Environmental Clearance for the proposed construction of new buildings within the existing Institutional complex to be developed by M/s JDT Islam Orphanage Committee for an area of 8.3443 ha at Sy. Nos. 155/5, 155/4B, 155/53 (Old No. 155/3), 154/87, 154/122, 154/30 (Old no. 154/8B), 154/19 (old no. 154/9), Chavayoor Village, Kozhikode Municipal Corporation, Kozhikode Taluk & District, Kerala: - Application – Reg. [SIA/KL/MIN/457867/2024]

The Committee examined the application submitted by M/s JDT Islam Orphanage Committee for an area of 8.3443 ha. As per the application, the proposed Built-up Area is 1,02,727.39 sqm. The total project cost is Rs. 340 Crores. The Committee noted that the CER proposal need revision as per the guidelines in the website of the SEIAA. **The Committee after due verification decided to invite the project proponent for a presentation.**

Item No.04

**Environmental clearance Construction of Twin Tube Unidirectional Tunnel Road (2+2 Lane) with Four Lane Approach (from existing roads) for providing direct connectivity between Anakkampoyil-Kalladi -Meppadi in Kozhikode and Wayanad Districts of Kerala.
[SIA/KL/INFRA1/458848/2024]**

Decision: The Committee examined the application along with the EIA report. The proposed length of the tunnel is 8.753 km. The proposed project obtained stage-1 forest clearance for diversion of 17 ha of forest land. As per the application, the RR Plan is in progress. **The Committee after due verification decided to invite the project proponent for a presentation. The Committee also decided to entrust Sri. Suneel Pamidi IFS, Member Secretary, SEAC and Sri. S. Sheik Hyder Hussain to evaluate the EIA report prior to the presentation.**

The Committee decided to convene its 159th meeting on 19th, 20th and 21st of February 2024 and the 160th meeting on 2nd March 2024 (online)

The Meeting ended by 6.00pm

Sd/-
Suneel Pamidi, IFS
Member Secretary, SEAC

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

LIST OF PARTICIPANTS:

Sl.No.	Name	05.02.2024	06.02.2024	07.02.2024
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	√	√	X
7.	Dr.C.C.Harilal	√	√	√
8.	Dr.K.VasudevanPillai	√	√	√
9.	Dr.MaheshMohan	X	X	X
10.	Dr.K.N.Krishna kumar	√	√	√
11.	Sri.V.Gopinathan	√	√	√
12.	Dr.A.V.Raghu	√	√	√
13.	Dr.N.Ajithkumar	√	√	√
14.	Suneel Pamidi(Secretary)	√	X	√