

Decision: The Committee noted that the 118th SEIAA meeting decided to reject the proposal and the Rejection Order was issued to the Proponent on 09.11.2022. The proponent also submitted a letter dated.27.10.2022 along with a technical report prepared by NIT, Suratkal, requesting to reconsider the decision to reject the proposal. The Hon'ble Court vide Order dated 02.03.2023 in WP(C) No.40448 of 2022, opined that the issues required a reconsideration. Accordingly directed the respondents to take up Ext.P11 representation (request dated.27.10.2022) preferred by the petitioner and to consider and pass orders on the same after hearing the petitioner as well. Appropriate orders shall be passed within a period of two months from the date of receipt of a copy of the judgment. **Hence the Committee decided to hear the proponent.**

144.13 Environmental Clearance for the Granite building stone quarry project of Sri.Jamal Mohammed, Managing Partner & Authorized Signatory, M/s.Al-Madeena Granite Metal & Cement Industries in Survey Nos. 218 pt, 220 pt, 223 of Perakamanna Village, Edavanna Panchayat, Taluk, Malappuram District, Kerala – Request for revalidation of EC (File No. 1086/EC/SEIAA/KL/2017)

Decision: The Committee discussed the field inspection report conducted on 25.03.2023 and observed the following shortcomings:

1. Status of correction of benches
2. Detailed closure plan incorporating water conservation feasibility considering that it could be used as a water source to nearby communities during summer season.
3. An audited statement regarding the amount spent for CSR activities.
4. Approved Revised Scheme of Mining

The Committee decided to invite the proponent for presentation.

PART 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

- 1. SIA/KL/MIN/132461/2019, 1572/EC1/2019/SEIAA Granite Building Stone Quarry, M/s. Crystal Granites at Block No.-26, Re-Survey Nos. 178/12pt, 178/11pt, 178/13pt, 168/6pt, 168/9pt, 168/10, 168/11pt, 183pt, 175/1pt, 177/1pt, 177/2pt & 178/1pt, in Pallickal Village, of Varkala Taluk, Thiruvananthapuram, Kerala (Presentation)**

Decision: As invited, the proponent Sri. Ziyad M, Managing Director, M/s. Crystal Granites and RQP, Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and as per the presentation, The targeted production of mine is 10,50,305 MT. The revised project cost is Rs. 2.82 Crore. The life of mine is about 10 years. The highest and lowest elevations are 85m and 40m respectively. The Committee observed that the depth of mining should be limited to a maximum of 59m above MSL or 1m below ground level instead of 27m in the approved Mine Plan considering the depth to groundwater table and vulnerability of the terrain and needs a temporary wall on the western side. **The Committee decided to direct the proponent to submit the following additional documents:**

1. Revised site-specific Risk assessment plan.
2. Safeguard and management measures for the old quarries, rock outcrops, boulders and water pool within the proposed site
3. Details of sanitation and waste management measures required to be provided at site.
4. Details of energy conservation measures proposed to be adopted.
5. Management measures for the natural drains originating from the project area
6. Clarification regarding the 2 buildings near to the BP20 & a building near BP22 at a distance less than 50m.
7. Revised drainage map with connectivity to natural drain.

2. SIA/KL/MIN/165802/2020, 2191/EC2/2023/SEIAA

Environment clearance in respect of the Proposed Granite Building Stone Quarry of Sri. Udayan S over an extent of 0.4445 Ha at Survey Nos. 41/6-2, 41/7pt , 41/8pt, 41/9-3, 41/9-4-1 & 41/9-4-1-2 of Velinalloor Village, Kottarakara Taluk, Kollam, Kerala (Presentation)

Decision: As invited, the proponent Sri. Udayan S and RQP, Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and as per the presentation, The targeted production of mine will be 53,188 MT. The project cost is Rs. 63.2 Lakh. The expected life of mine estimated will be about 1 year. The highest and lowest elevations are 67m & 55m above MSL respectively. The landslide hazard zones are beyond 11.6Km from the proposed area. **The Committee decided to direct the proponent to submit the following additional document:**

1. Clarification regarding the two built structures within 50m of the proposed area.

3. SIA/KL/MIN/266526/2022the , 2040/EC6/2022/SEIAA

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Krishna Kumar. E for an area of 0.9400 Ha at Sy. No.486 in Vadakkethara Village, Thalappilly Taluk, Thrissur, Kerala (Presentation)

Decision: As invited, the proponent Sri. Krishna Kumar E and RQP, Dr. Nazar Ahmmed were present. The RQP made the presentation. The Committee heard the presentation and as per the presentation, it was informed that, initially the application was submitted in DEIAA, Thrissur and while processing the DEIAA was quashed by Hon'ble NGT. The proposed annual production is 49590MTA. Mine life is 5 years. The project cost is 1.10 Crore. The highest and lowest elevations are 66m and 55m respectively. The water source is a bore well and an open well. The depth to the water table is 6m bgl. The nearest built structure is at 114.7m from the proposed area. The Moderate hazard zone is at 10.76km from the project site. The Choolannur Wildlife Sanctuary is at 3.7km and Peechi Vazhani Wildlife Sanctuary is at 11Km from the proposed area. The Committee noted that the site proposed for the compensatory afforestation plan is rocky. So, alternate site needs to be submitted. **Hence committee decided to direct the proponent to submit the following additional documents:**

1. CER should be detailed and integrated with the EMP.
2. Letter from the Wildlife Warden, regarding the distance of the proposed site from the Peechi- Vazhani Wild life Sanctuary, width of the approved/proposed ESZ at the appropriate location and a statement whether the site falls within the ESZ.
3. Post-closure environmental scenario/post-mining land use plan of the proposed site.
4. Details of alternate area for 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.
5. Proof of application submitted for Wildlife Clearance before the SCNBWL.

4. SIA/KL/MIN/278399/2022, 2095/EC4/2022/SEIAA

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K. Gangadharan for an area of 0.8456 hectare at Re-Survey No. 151/1 of Puthur Village, Thalassery Taluk, Kannur, Kerala. (Presentation)

Decision: The Proponent was absent for presentation in the 140th meeting of the SEAC and based on the decision of the 140th SEAC, the proponent was invited for presentation wide e-mail dated 01.06.2023. The Committee noted that the Proponent is absent for the meeting. The

Committee observed that the Land Owners of the proposed project area Sri. Rajan Babu, Smt. Narayani and Smt. Madhavi vide their submission intimated that they have withdrawn their consent to the project proponent for mining in their land and hence requested not to consider the EC application. Hence **the Committee decided to forward the application to the SEIAA for further necessary action after hearing the Proponent.**

5. SIA/KL/MIN/401892/2022, 2126/EC1/2022/SEIAA

Granite (Building Stone) Quarry of Sri. Udayan K for an area of 2.8869 Ha in Block No. 25, Re-Survey Nos: 64/1, 65/3, 65/4, 66/2, 66/2-1 in Enadimangalam Village, Adoor Taluk, Pathanamthitta (Presentation)

Decision: As invited, the proponent Sri. Udayan K and RQP, Sri. V K Roy were present. The Committee heard the presentation and as per the presentation, the mineable reserve is 874000MT. The average production of mine will be 1,50,000 MTA for the first to fifth years and 62,000 MTA for the sixth and seventh years. The project cost is Rs. 2 crore (pre-revised). The life of mine is 7 years. The highest and lowest elevations are 180m and 135m respectively. The medium hazard zone is at 8.20Km and High hazard zone is at 17.85Km from the proposed area. The depth to water table is 25m above MSL. The Committee found that there are 2 abandoned quarries on the northern side of the proposed area. The Committee found the requirement of the following details:

1. Revised Project Cost
2. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals.
3. Revised CER cost including maintenance and modification cost for the proposed vehicle to Public Health Center.
4. EMP submitted includes activities which do not come under EMP norms. Revised EMP incorporating the environmental issues of the site and surrounding areas and mitigation measures along with adequate budget and with the integration of CER.
5. Non-assignment certificate for the entire area proposed.
6. KML file to be uploaded
7. Appropriately located OB dump site along with protection measures
8. Post-closure environmental scenario/post-mining land use plan of the proposed site.

9. Depth to water table.

The Committee decided to entrust Smt. Beena Govindan and Dr. Mahesh Mohan for field inspection and report.

6. SIA/KL/MIN/402526/2022, 2202/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. Brijesh B.R, for an extent of 0.3449 Ha in Re-Survey No: 12/2A-2A of Thalakkulathoor Village, Kozhikode Taluk, Kozhikode, Kerala (Presentation)

Decision: Based on the decision of the 140th SEAC, the project proponent was invited for presentation via Email but failed to be present. **The Committee decided to give one more chance for the project proponent for hearing before taking further decision.**

7. SIA/KL/MIN/402776/2022, 2203/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. Abdul Asees K.P, for an extent of 0.2914 Ha at Re-Survey No. 46/986 in Kalliad Village, Iritty Taluk, Kannur District, Kerala (Presentation)

Decision: As invited, the proponent Sri. Abdul Asees K P and RQP, Sri V K Roy were presented. The RQP made the presentation. The Committee heard the presentation and as per the presentation, the mineable reserve is 25, 497.5 MT for a mine life of 1 year. The project cost is 8 lakhs. Depth to water table is 10m below ground level. There are a few abandoned laterite quarries on the north and west side of the permit area. The average thickness of laterite is 8m and there is a thin layer of top soil with an average thickness of 0.5m. **Hence committee decided to direct the proponent to submit the following additional documents:**

1. Depth to water table in a dug well with its geo-tagged photographs and distance from the proposed site.
2. CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals and adequate budget provision. The CER preferably be extended to the nearest needy community.
3. Detailed drainage plan to prevent stagnation of water in mining pit
4. Certified legible survey map from the Village Office showing the distance to all the built structures within 100m

5. Proof of boundary pillars after fixing it properly
6. Revised EMP incorporating site-specific mitigation plans
7. Post-mine closure land use plan of the proposed site.

8. SIA/KL/MIN/403878/2022, 2132/EC4/2022/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri. Abdul Asees K.P, in Block No. 92, Re-Survey No: 23/813 of Kaliyad Village, Iritty Taluk, Kannur District, Kerala for an extent of 0.1943 Ha (Presentation)

Decision: As invited, the proponent Sri. Abdul Asees K P and RQP, Sri V K Roy were presented. The RQP made the presentation. The Committee heard the presentation and as per the presentation, the mineable reserve is 17001.25 MT and mine life is 1 year. The project cost is 5 Lakhs. Depth to watertable is 8m below the ground level. The general slope of the area is from north east to south west direction. There are few abandoned laterite quarries on the south, east and west side of the permit area. The average thickness of laterite is 9.5m and there is a thin layer of top soil with an average thickness of 0.5m. The Committee found that the boundary pillar is not fixed. Hence **Committee decided to direct the proponent to submit the following additional documents:**

1. Depth to water table in a dug well with its geo-tagged photographs and distance from the proposed site.
2. CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals and adequate budget provision. The CER preferably be extended to the nearest needy community.
3. Detailed drainage plan to prevent stagnation of water in mining pit
4. Certified legible survey map from the Village Office showing the distance to all the built structures within 100m
5. Proof of boundary pillars after fixing it properly
6. Revised EMP incorporating site-specific mitigation plans
7. Post-mine closure land use plan of the proposed site.

9. SIA/KL/MIN/405772/2022, 2181/EC6/2023/SEIAA

Environmental Clearance for Laterite building stone quarry project of Sri. Sekkeeb Pullanipuram for an area of 0.1942 Ha at Re-Survey No- 1/3A1 in Melmuri Village,

Tirur Taluk, Malappuram (Presentation)

Decision: As invited, the proponent Sri. Sekkeeb Pullanipuram and RQP, Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and as per the presentation, the mineable reserve is 18,691 MT. The expected life of mine is one year. The project cost will be Rs. 5.65 lakh. The slope of the area is from south to north direction. Depth to water table is 8m below the ground level. The average thickness of laterite is 5.5m and there is a thin layer of topsoil with an average thickness of 0.5m. Hence **Committee decided to direct the proponent to submit the following additional documents:**

1. Depth to water table in a dug well with its geo-tagged photographs and distance from the proposed site.
2. CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals and adequate budget provision. The CER preferably be extended to the nearest needy community.
3. Detailed drainage plan to prevent stagnation of water in mining pit
4. Certified legible survey map from the Village Office showing the distance to all the built structures within 100m
5. Proof of boundary pillars after fixing it properly
6. Revised EMP incorporating site-specific mitigation plans
7. Post-mine closure land use plan of the proposed site.

10. SIA/KL/MIN/406820/2022, 2211/EC3/2023/SEIAA

Environmental Clearance for the Granite building stone quarry for an area of 3.2083 Ha. at Re-Sy Block No: 8, Re-Sy. Nos: 254/3-1, 254/4 & 257/1, Kumaramagalam Village, Thodupuzha Taluk, Idukki, Kerala. (Presentation)

Decision: As invited, the proponent Sri. Cheriyan K Jose and RQP, Sri. Thambu Cheriyan were present. The RQP made the presentation. The Committee heard the presentation and as per the presentation, the mineable reserve is 7,89,575.15MT. Mine life is 8 years. The nearest structure belonging to the proponent is at 26m which will be utilized as site office during the mine operational stage. The Thattekad Wildlife Sanctuary is at 14.71 Kms and The Thodupuzha Reserve Forest is at 5.10 Kms from the proposed area. The High Hazard Zone is 9.41Km and The Medium Hazard Zone is 2.15 Kms away from the proposed mining area. The highest elevation is 87.1m above MSL and the lowest elevation is 37.3 m above MSL. The Committee

observed that there is an abandoned quarry, which is a part of the proposed area. The project proponent intimated that the existing quarry was mined with a valid Environmental Clearance. Hence **Committee decided to direct the proponent to submit the following additional documents:**

1. CCR from IRO, MoEF &CC, Bangalore
2. Recently certified legible survey map from the Village Office showing the distance to all the built structures within 200m
3. The depth to water table monitored in the nearest dug well along with geotagged photographs and distance from the proposed area.
4. EMP incorporating the environmental issues of the site and surrounding areas and site-specific mitigation measures along with an adequate budget and CER integrated.
5. Detailed drainage plan
6. Post-mine closure environmental scenario/post-mining land use plan of the proposed site.

The Committee also decided that since the abandoned quarry is a part of the proposed project, further appraisal shall be done after getting the CCR from IRO, MoEFCC, Bangalore.

11. SIA/KL/MIN/407901/2022, 1812/EC3/2020/SEIAA

Environmental Clearance for the Granite building stone quarry, for an area of 0.9407 Ha. located at Block No: 70, Sy. Nos: 23/1, 23/2, Poonjar Village, Meenachil Taluk, Kottayam, Kerala. (Presentation)

Decision: As invited, the proponent Sri. Joseph A V and RQP, Sri. A G Korah were present. The RQP made the presentation. The Committee heard the presentation and as per the presentation, the mineable reserve is 160163.11MT. The mine life is 5 years. The project cost is 1 Crore. The highest and lowest elevations are 85m and 55m respectively. There is a building on the eastern side at 55m and there is a bunded water storage at a comparatively elevated region. So, the project proponent shall ascertain the breach potential of the proposed area. The Committee found the following short comings:

1. CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals.

2. Ascertain the possibility of breach potential in the proposed area.
3. EMP submitted includes activities which do not come under EMP norms. EMP incorporating the environmental issues of the site and surrounding areas and site-specific mitigation measures along with adequate budget and with the integration of CER.
4. Plan for OB dump site considering the feasibility and appropriateness along with plan for protection.
5. Compensatory afforestation area proposed is found vegetated. Therefore, alternate site should be identified and its geo-coordinates and geo-tagged photographs along with a possession certificate of the land or consent letter from the owner of the proposed land.
6. Post-closure environmental scenario/post-mining land use plan of the proposed site.

The committee decided to entrust Dr. Mahesh Mohan and Dr. K N Krishnakumar for field inspection and report.

1. SIA/KL/MIN/408252/2022, 2207/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. Sebastian George, for an extent of 0.0971 Ha in Block No. 39, Re-Survey No: 38/108 of Peringome Village, Payyanur Taluk, Kannur, Kerala (Presentation)

Decision: As invited, the proponent Sri. Sebastian George and RQP, Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and as per the presentation, The mineable reserve is 8496.25 MT. The life of mine is one year. The project cost is Rs. 2 lakhs. The hazard zone is at 7.12Km and Medium Hazard zone is at 2.48Km. There are a few abandoned laterite quarries on the west side of the permit area. Based on discussions, the Committee decided to recommend EC for the life of mine of one year subject to the following Specific Conditions in addition to General Conditions:

1. The excavation activity associated should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for a useful purpose.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.

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

2. SIA/KL/MIN/410423/2022, 2194/EC4/2023/SEIAA

Environmental Clearance for the Laterite Building Stone Quarry of Ramachandran M K, for an area of 0.1942 ha at Block No. 38, Re-Survey No: 16/126 in Perinthatta Village, Payyanur Taluk, Kannur, Kerala. (Presentation)

Decision: As invited, the authorized person Sri. Vivek P with Authorization letter and RQP, Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and as per the presentation, The mineable reserve is 16,992.5 MT. The life of mine is one year. The project cost will be Rs. 4 lakh. The hazard Zone is at 9.70km and medium hazard zone is at 3.15km. Hence the **Committee decided to direct the proponent to submit the following additional documents:**

1. Clarification regarding the structure near BP2.
2. Drainage plan

3. The depth to water table monitored in the nearest dug well along with geotagged photographs of the well and the distance to it from the proposed area.
4. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation, and detailed implementation plan of the proposals.
5. Post-mine closure land use plan of the proposed site.

3. SIA/KL/MIN/410780/2022, 2201/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri. Rajesh N.V, for an extent of 0.1943 Ha at Block No. 39, Re-Survey No: 112/102 in Peringome Village, Payyannur Taluk, Kannur, Kerala (Presentation)

Decision: As invited, the proponent Sri. Rajesh N.V with Authorization letter and RQP, Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and as per the presentation, The mineable reserve is 17,001.25 MT. The life of mine is one year and the project cost is Rs. 3 lakh. The high hazard zone is at 6.20Km and Medium hazard zone is at 950meters. The depth to water table is observed as 25m BGL. Based on discussions, **the Committee decided to recommend EC for the life of mine of one year** subject to the following Specific Conditions in addition to General Conditions:

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

10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).

15. SIA/KL/MIN/410787/2022, 2196/EC2/2023/SEIAA

Building Stone Quarry Project, M/s Darshan Granites, for an area of 7.8705 ha at Re-Survey Block No. 18, Re-Survey Nos. 13/2, 13/3, 18/2, 18/3, 40/1-1, 40/1-2, 40/4, 40/4-2, 40/6, 41/1-1, 41/1-2, 41/2, 41/3, 41/4, 41/5 (Patta land - 6.1918 ha.), 18/1, 41/6 (Govt. land - 1.6787 ha.), Chakkuvarakkal Village, Kottarakkara Taluk, Kollam District, Kerala. (Presentation)

Decision: As invited, the proponent Sri. Ajai Sundaresh and EIA coordinator, Jomon M C, M/s Environmental Engineers and Consultants Pvt Ltd were present. The Committee observed that the Project proponent submitted the TOR application on 04.07.2019. The Project proponent got the ToR approved as deemed as on 03.08.2019 and conducted the EIA study. The public consultation was conducted on 21.07.2022. The application for EC along with the EIA report was submitted on 15.12.2022. After providing all essential documents sought the application was resubmitted on 11.01.2023, that is after the expiry of the validity period of TOR (Since the project proponent has not renewed the TOR, the validity of TOR was up to 02.08.2022). The Committee observed that the date of monitoring of Environmental quality data is 16.09.2019. As per Clause 6 (iii), (iv) and (v) of OM dated 08.06.2022;

(iii) The baseline data and Public Hearing shall not be more than three years old at the time of submission of application for consideration of EC.

(iv) At the time of application for EC, in case baseline data is older than three years, but less than five years old in the case of River valley and HEP Projects, or less than four years old

in the case of other projects, the same shall be considered, subject to the condition that it is revalidated with one season fresh non-monsoon data collected after three years of the initial baseline data.

(v) In case the proposal for EC along with EIA/EMP reports based on the ToRs prescribed is not submitted within the validity period of ToRs, and/or not complying with the above-mentioned criteria, the concerned Member Secretary shall not accept the proposal and process shall be initiated de novo by the PP.

The Committee also noted that the NOC of the proposed Govt. land expired on 04.04.23. Therefore, the Committee decided to refer the case to the SEIAA for further necessary action.

16. SIA/KL/MIN/410881/2022, 2186/EC3/2023/SEIAA

Environmental Clearance for the Granite Building Stone Quarry project of M/s. P. J. Associates, (Represented by its Managing Partner, Sri. Pious Antony) at Re-Survey Nos: 93/1, 94/1, 95/1, 95/1- 1, 95/2, 95/2-1, in Lalam Village, Meenachil Taluk, Kottayam (Presentation)

Decision: As invited, the proponent Sri. Pious Antony and RQP, Sri. A G Korah were present. The RQP made the presentation. The Committee heard the presentation and noted that the mineable reserve is 993382.6MT, the mine life is 9 years and the project cost is 1.3 Crore. The Committee observed that there is an adjacent quarry which seems to have been mined up to 2022. A crusher unit is associated with the project. The Committee found the following short comings:

1. Revised Project cost
2. EMP incorporating the environmental issues of the site and surrounding areas and site-specific mitigation measures along with adequate budget and CER integrated.
3. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals.
4. Pre and post mining land use details
5. Post-mine closure environmental scenario/post-mining land use plan of the proposed site.

The committee decided to entrust Dr. Mahesh Mohan and Dr. K N Krishnakumar for field inspection and report. During the site visit the sub-committee should also ascertain the EC compliance status of the adjacent quarry.

17. SIA/KL/MIN/410959/2022, 2193/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. Mahesh. P, for an extent of 0.1943 Ha at Re-Survey No: 13/102 in Eramam Village, Payyannur Taluk, Kannur, Kerala (Presentation)

Decision: As invited, the proponent Sri. Mahesh P and RQP, Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and noted that the mineable reserve is 17,001.25 MT, life of mine is one year and the project cost is Rs. 4 lakh. The landslide hazard zone is beyond 3.70Km. Based on discussions, the **Committee decided to recommend EC for the life of mine of one year** subject to the following Specific Conditions in addition to General Conditions:

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

14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.

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

18. SIA/KL/MIN/411130/2022, 2200/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. Shuhail M V P for an extent of 0.1942 Ha at Block No. 40, Re-Survey No: 161/102 in Peringome Village, Payyanur Taluk, Kannur District, Kerala (Presentation)

Decision: As invited, the proponent Sri. Shuhail M V P and RQP, Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and noted that the mineable reserve is 16,992.5 MT and life of mine is one year. The project cost is Rs. 3.50 lakh. The landslide hazard zone is beyond 2.6km. A building is at 26.4m owned by the proponent. The depth to water table is 96m above MSL. Based on discussions, the **Committee decided to seek clarification from the PP as to how to maintain minimum distance criteria between the project boundary and built structures.**

19. SIA/KL/MIN/412267/2022, 2208/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. PRADEEP K, for an extent of 0.3880 Ha at Block no:109, Re-Survey No. 53/135 in Kandamkundu Village, Thalassery Taluk, Kannur District, Kerala (Presentation)

Decision: As invited, the proponent Sri. Pradeep K and RQP, Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and noted that the mineable reserve is 33,675MT, life of mine is four years and the project cost is Rs. 11 lakh. The Committee noted that there is a building, road, and shed at south west corner within 50m. Based on discussions, the Committee decided to direct the proponent to submit the following additional documents:

1. Depth to water table monitored in the nearest dug well along with geotagged photographs
2. Revised CER as per the existing norms of MoEF & CC.
3. Clarification as to how to maintain minimum distance criteria between the project boundary and built structures.

**20. SIA/KL/MIN/412623/2022, 2199/EC4/2023/SEIAA
Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri.
Raveendran V, for an extent of 0.0971 Ha in Block no: 92 Re-Survey No. 1/473,1/474
of Kalliyad Village, Iritty Taluk, Kannur District, Kerala (Presentation)**

Decision: As invited, the proponent Sri. Raveendran V and RQP, Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and noted that the mineable reserve is 7,748 MT, life of mine is one year and the project cost is Rs. 2.80 lakh. The landslide hazard zone is beyond 545M from the proposed area. The depth to water table is 30m below the ground level. Based on discussions, the **Committee decided to recommend EC for the life of mine of one year** subject to the following Specific Conditions in addition to General Conditions:

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

14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).

21 SIA/KL/MIN/415821/2023, 2222/EC1/2023/SEIAA

Laterite (Building Stone) Quarry of Sri. Bharathan for an extent of 0.9532 Ha at Survey Nos: 7/2-14, 7/2- 15, 7/2-8, 7/2-7 in Koppam Village, Pattambi Taluk, Palakkad, Kerala (Presentation)

Decision: As invited, the proponent Sri. Bharathan and RQP, Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and noted that the production is 66,724 MT, life of mine is two years and project cost is Rs. 22.50 lakhs. The landslide hazard zone is beyond 20.40M from the proposed area. The depth to water table is 6m below the ground level and the site is located on a hillock adjacent to a quarry as per google images. Based on discussions, Committee **decided to entrust Dr. K Vasudevan Pillai and Dr. K N Krishnakumar for field inspection and report.**

22. SIA/KL/MIN/415860/2023, 2206/EC2/2023/SEIAA

Laterite (Building Stone) Quarry of Mr. Abdul Rahman M. A in Re-Survey No.129/2 in Muliya Village, Kasaragod Taluk, Kasaragod District over an area of 0.0971 Ha. (Presentation)

Decision: As invited, the proponent Sri. Abdul Rahman M A and RQP, Sri. Mahammed Kunhi were present. The RQP made the presentation. The Committee heard the presentation and noted that the recoverable quantity is 4300 MT, life of mine is one year and the project cost is Rs. 10 lakhs. Based on discussions, the **Committee decided to recommend EC for the life of mine of one year** subject to the following Specific Conditions in addition to General Conditions:

1. The excavation activity associated should not involve blasting.
2. The excavation activity should be restricted to 2m above the ground water table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for a useful purpose.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.

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

23. SIA/KL/MIN/415955/2023, 2221/EC1/2023/SEIAA

Laterite (Building Stone) Quarry of Abdu Rasak in Block No 25, Re-Survey Nos: 7/2-10, 7/2-9, 7/2-8, 7/2-16, 7/2-17 of Koppam Village, Pattambi Taluk, Palakkad District, Kerala for an extent of 0.9400 Ha

Decision: As invited, the proponent Sri. Abdu Rasak and RQP, Sri. V K Roy were present. The RQP made the presentation. The Committee heard the presentation and noted that the production is 74,025 MT, life of mine is two years and project cost is Rs. 22 lakh. The landslide hazard zone is beyond 20.40M from the proposed area. The depth to water table is 6m below the ground level. **Based on discussions, Committee decided to entrust Dr. K Vasudevan Pillai and Dr. K N Krishnakumar for field inspection and report.**

24. SIA/KL/MIN/416601/2023, 2228/EC6/2023/SEIAA

Application for Environmental Clearance for the Laterite building stone quarry project of Sri. Abdu Razak for an area 0.9496 Ha at Sy.No.477/1-1 in Vazhakkad Village, Kondotty Taluk, Malappuram

Decision: As invited, the proponent Sri. Abdu Razak and RQP, Sri. Nazar Ahmmmed were present. The RQP made the presentation. The Committee heard the presentation and noted that the production is 142440 MT, recoverable quantity is 99708MT, life of mine is three years and the project cost is 30 lakh. The high hazard zone is beyond 13.09Km from the proposed area. The part of the proposed mine area near BP3 & BP4 seems to be situated in moderate hazard zone. **Based on discussions, the Committee decided to entrust Sri. V Gopinathan and A.V. Raghu for field inspection and report.**

25. SIA/KL/MIN/418896/2023 , 2220/EC1/2023/SEIAA

Laterite building stone quarry of Mr. Sahajan. P over an extent of 0.2688 Ha, Re-Survey No.143/2-1, 143/15 in Vellinezhi Village, Ottapalam Taluk, Palakkad District, Kerala

Decision: As invited, the proponent Sri. Sahajan P and RQP, Dr. Nazar Ahmmmed were present. The RQP made the presentation. The Committee heard the presentation and noted that the recoverable quantity is 28224 MT, life of mine is two years and the project cost is Rs. 20 lakh. The landslide hazard zone is beyond 7.87km from the proposed area. The Silent Valley National Park is situated at 19.66km. Based on discussions, the **Committee decided to recommend EC for the life of mine of two years** subject to the following Specific Conditions in addition to General Conditions:

1. The excavation activity associated should not involve blasting.
2. The excavation activity should be restricted to 2m above the ground water table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for a useful purpose.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emission by covering excavated earth during transportation.

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

PART 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/INFRA2/405879/2022, 2158/EC2/2022/SEIAA

Environmental Clearance for the proposed expansion of the existing Hospital project to be developed by M/s Dr. K.M. Cherian Institute of Medical Sciences Pvt. Ltd. at Sy. Nos. 533/6-3-3,534/6-1,534/10-2-2, 534/13-1, 534/13, 534/11,533/6-1-1, 137 533/7-1, 534/9, 533/6-1-2, 533/7-2, 534/13-2, 534/6, 534/10-2, 534/8-1,534/8-2, 534/12, 534/10, 534/10/2, Thiruvanvandoor Village & Panchayat, Chengannur Taluk, Alappuzha, Kerala (ADS Received)

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee observed that the field inspection has been carried out on 18.02.2023. Based on discussions, the **Committee decided to invite the proponent for presentation.**

**2. SIA/KL/INFRA2/407611/2022, 2147/EC3/2022/SEIAA
Environmental Clearance for the proposed Residential project developed by M/s
Veegaland Developers Pvt. Ltd. at Re-Sy. Nos. 51, 51/2-2, 51/3, 51/4, 68,
Thekkumbhagam Village, Thripunithura Municipality, Kanayannur Taluk,
Ernakulam, Kerala (FIR Received)**

Decision: The Committee examine the proposal and verified the documents submitted by the proponent. The total built-up area is 33,231.71 m² and the total cost of the project is Rs. 678100 Lakh and there are 141 apartments. The total Land/plot area is 7893 m² and FAR proposed is 23963.37(3.036). The Committee noted that the presentation was done in the 142nd meeting and discussed the field inspection report, conducted on 20.05.2023. Based on discussions, the **Committee decided to recommend EC for a period of 7 years** subject to the following Specific Conditions in addition to the General Conditions:

1. Climate responsive design as per Green Building Guidelines in practice should be adopted
2. Vegetation should be adopted appropriately on the ground as well as over built structure such as roofs, basements, podiums etc.
3. Exposed roof area and covered parking should be covered with material having high solar reflective index
4. Building design should cater to the differently-abled citizens
5. Provide safe and healthy basic facilities for construction workers as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996
6. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow
7. Water efficient plumbing features should be adopted
8. Design of the building should be in compliance to Energy Building Code as applicable
9. Energy conservation measures as proposed in the application should be adopted in total
10. Buildings to be constructed should be barricaded with GI sheets of 6 m. (20 feet) height so as to avoid disturbance to other buildings nearby.
11. Construction work should be carried out during day time only.

12. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
13. All vehicles carrying construction materials would be fully covered and protected.
14. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
15. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
16. Occupational health safety measures for the workers should be taken during the construction.
17. All vehicles during the construction phase should carry PUC certificate.
18. D.G. set should be provided with adequate stack height and regular maintenance should be carried out before and after the construction phase and would be provided with an acoustic enclosure.
19. Green belt should be developed along the periphery of the site with indigenous species.
20. The green building criteria notified in the GO (Ms) No. 39/2022/LSGD dated 25.2.2022 should be adopted.

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

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

Decision: The Committee examined the proposal and verified the documents submitted by the project proponent and opined that instead of a high mast light, an alternate proposal is desirable to be provided as part of CER. The field visit was conducted on 11.03.2023. **After detailed discussions, the Committee decided to invite the proponent for presentation.**

4. SIA/KL/MIN/171945/2020, 1844/EC1/2020/SEIAA

Environmental Clearance for the proposed Granite Building Stone Quarry M/s O S Granites for an area of 0.9905 Ha at Re - Survey Nos. 244, in Puthucode Village, Alathur Taluk, Palakkad, Kerala (ADS Received)

Decision: The Committee observed that the proposal is to extract granite building stone of 2,20,600 MT, average annual production is 55,750 TPA and life of mine is 5 years. The depth to

watertable is reported as 20 m below ground level and the nearest habitation is 305m. As per the report of the Wildlife Warden, the Peafowl Wild life Sanctuary is at 8.6 Km NE and Peechi Vazhani is 6.1 KM SW side of the area. The project proponent has submitted the proof of application submitted to SCNBWL for Wildlife Clearance. The area does not fall in any landslide hazard zone. The presentation was done in the 136th meeting and field inspection was conducted on 27.09.22. Based on discussions, the **Committee decided to recommend EC for a mine life of 5 years** subject to the following Specific Conditions in addition to the General Conditions:

1. The drain water quality should be monitored regularly by an NABL-accredited lab and clear water should be flowed into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
2. Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites
3. Haulage Road should be developed prior to the commencement of mining.
4. Environment Management Cell (EMC) should include an expert in environmental management.
5. Adequate energy conservation measures should be implemented including solar power installations. At least 20% of the energy requirement should be met from the solar power
6. Make boundary fencing for demarcating proposed quarry site and submit the geo-tagged photos.
7. Consent letter from the neighboring land owner for taking water from his abandoned quarry pit.
8. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
9. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining. Channel way should be developed as per the plan submitted for over flow water from the siltation pond to the natural stream.
10. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
11. 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 rest room facilities should be provided to the workers.
14. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.

5. SIA/KL/MIN/185659/2020, 1858/EC1/2020/SEIAA

Expansion of Granite Building stone quarry of M/S Chengalathu Quarry Industries • for an area of 0.9900 ha at Sy.No: 575/1-3-6-2pt & 581/1-5-7pt in Konni Thazham Village, Konni Taluk, Pathanamthitta, Kerala (ADS Received)

Decision: The Committee examined the additional documents submitted by the project proponent and observed that the CCR submitted is satisfactory. The SEAC also sought Comprehensive EMP covering the area of the three mine leases owned by the project proponent. On examination, the Committee found that the EMP has not addressed all the Environmental issues due to 3 leases and the pertinent issues that occurred due to mining in the area were comprehensively not addressed. The mitigation measures do not seem to be comprehensive. Therefore, the **Committee decided to get a comprehensive EMP as sought in its 141st meeting. While submitting the comprehensive EMP, CER is to be integrated.**

6. SIA/KL/MIN/255880/2022, 2081/EC3/2022/SEIAA

Environmental Clearance for the Mining of Granite Building stone quarry of Sri. Shijo. T. Paul, at Survey No: 797/1Apt. in Kallorkad Village, Muvattupuzha Taluk, Ernakulam, Kerala (FIR Received)

Decision: The Committee examined the proposal and discussed the filed inspection report conducted on 20.05.2023. The Committee observed that the Geological Reserve is 692293 MT and Mineable reserve is 2,22,823 MT. The elevation difference is 160 MSL to 128 MSL. The depth to groundwater table is 9m below ground level from the spot with altitude 115 M above MSL. The nearest built structure is at 55m from the proposed area. The Thattekad Bird sanctuary is at 18.55m. The Committee also observed the following:

- a) One road is passing parallel to the quarry on the upper portion around >50m away

- b) The main road is also not much wide and traffic may increase as there are other quarries on the same route. The Scope for widening the road as such is not under consideration.
- c) Many houses are located at the lower side slope of the quarry and are located very near the narrow road. The starting of a quarry may adversely affect the life of the local population due to noise, vibration, and air pollution.
- d) On the upstream portion of the area, the slope is very steep.

It is also found that no protection measures proposed for OB dump site. The Committee observed that the starting of a quarry may adversely affect the life of the local population due to noise, vibration, and air pollution. The area is environmentally fragile. **Based on discussions, the Committee decided to recommend rejection of the proposal.**

7. SIA/KL/MIN/257315/2022, 1969/EC2/2022/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re-Survey Nos: 375/1, 375/2, 375/3 of Puthoor Village & Re-Survey Nos: 381/1, 381/1-2, 381/1-3, 381/8, 381/10 of Kalayapuram Village, Kottarakkara Taluk, Kollam District, Kerala (FIR Received)

Decision: The Committee discussed the filed inspection report conducted on 13.05.23. The total mineable reserve is 11,00,345 MT and average annual production is 1,10,000 TPA. The Life of mine is 10 years. The depth to water table is 4m bgl based on field inference. Adjacent to the proposed area there are 2 small & 2 big quarry ponds with a vertical wall of more than 10m. The committee observed the following:

- a. An unoccupied concrete house is seen within the site.
- b. Plenty of indigenous trees within the site.
- c. Cost of CER in the application and PFR are different
- d. The EMP cost does not include the cost of environmental monitoring and CER
- e. The date of environmental quality monitoring data is 14.2.2020

Based on discussions, the **Committee decided to direct the proponent to submit the following additional documents:**

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. An unoccupied concrete house is found within the site, which is not permissible. This is not shown in the survey map certified on 1.2.2023. Submit an explanation for the same and a Response of the PP regarding the demolition of the house.
3. Revised EMP submitted is not site-specific. Submit revised EMP integrating site-specific environmental issues and mitigation plan for each issue and also incorporating details of environmental monitoring, cost for environmental monitoring and cost of CER
4. Details of drainage such as garland canal, silt traps, siltation ponds, overflow channels and connectivity to natural drain
5. Location and protection plan for OB dump site
6. The compensatory afforestation plan submitted is inadequate with respect to area, number of trees to be planted, photos without geo-tagging, ownership details etc. Submit a revised and detailed compensatory afforestation plan including geo-coordinates of the proposed site, geo-tagged photographs of the proposed site to show the present status, species details and ownership details of the proposed land for compensatory afforestation along with proof.
7. Details of the provision for rainwater harvesting, sanitation and waste management measures and energy conservation measures
8. Provide certified safe yield and quality of the source of water (open well) proposed for the project.
9. There are four major abandoned water-logged quarries adjacent to the site. Explain the reason for not using that water for the purpose of quarry instead of open well which may not have adequate safe yield.
10. The road to the quarry is through four abandoned quarries with very steep walls without any safeguards posing serious accident potential. Response of the PP to avoid the possibility of accidents
11. It is informed that the haulage road to the quarry is not the one passing adjacent to the deep quarry pond, but another one that is yet to be developed. An explanation for not developing proper haulage road and proposal and proof for developed haulage road.

The Committee decided to invite the proponent for presentation. The project proponent should address the above observations during the presentation.

8. SIA/KL/MIN/258433/2022, 2063/EC3/2022/SEIAA

Environmental Clearance for the building stone quarry, for an Area of 1.8501 Ha. at Block No.12, Re-Survey No.120/5, in Kombanad Village, Kunnathunadu Taluk, Ernakulam, Kerala (Field Inspection Report Received)

Decision: The SEAC decided to have ToR for this proposal and then forced to consider this for EC. Since one of the quarries within 500m radius having an area 0.6Ha have withdrawn the application and submitted a new Cluster Certificate and based on that the Committee conducted a field inspection. The Committee discussed the field inspection report conducted on 20.05.2023. The mineable reserve is 622303MT and average annual production is 51859TPA. The life of mine is 12 years. The nearest house is at 75.8m from the proposed area. A very small old rock cutting is there in the center of the site. **The Committee after discussions, decided to direct the proponent to submit the following additional documents:**

1. Clarification for submitting a CER Plan which was prepared based on a need assessment conducted in Koodal panchayath, Pathanamthitta.
2. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
3. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
4. OB dump site should be shifted to lower elevation & the proposed area with geo-tagged photographs has to be provided.
5. Post-closure environmental scenario/post-mining land use plan of the proposed site
6. Reason for low percentage of extraction (33.57)
7. Plan for Rain water harvesting
8. Details of energy conservation measures
9. Revised compensatory afforestation plan
10. Report based on evaluation of the zone of influence and the impact of blasting on the neighborhood as per the OM dated 29.10.2014.

9. **SIA/KL/MIN/266045/2022, 2047/EC1/2022/SEIAA**

Environmental Clearance for Granite building stone quarry of C.H Sakariya, Mannarkkad Taluk Karinkal Quarry Operators Industrial Co Operative Society Ltd. over an extent of 0.6347 Ha.ResyNo.241/1A1 in Pottassery -i Village, Mannarkkaci Taluk. Palakkad District, Kerala. (ADS Received)

Decision: The Committee verified the documents submitted by the proponent and **decided to direct the proponent to submit the following additional documents:**

1. Revised CER with details/specification of the proposed activities such as electrification, sound system (AHUJA) stage sealing (HSS Auditorium), Electrification (HS computer lab), HSS Auditorium curtain and sealing
2. Proposal for 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.
3. There is a quarry adjacent to the proposed area, known to be owned by the proponent found to be violated the EC condition. So, the proponent has to obtain CCR from IRO, Bangalore.
4. This area has many old quarries and is found dilapidated. The proponent has to submit a comprehensive EMP for the entire area including the adjacent quarries.

10. **SIA/KL/MIN/275539/2022, 2068/EC2/2022/SEIAA**

Environmental Clearance for the proposed Granite (Building Stone) Quarry in Block No. 37, Re-Survey Nos. 37/5-2, 37/5-3, 37/4-2, 37/4-1, 37/3-2-2, 37/3-1, 37/3- 2, 37/13-1- 2, 35/2-2, 35/14, 35/15, 35/15-2, 36/3, 36/2-2, 35/13, 36/4 of Velinellur Village, Kottarakkara Taluk, Kollam District, Kerala (FIR Received)

Decision: The committee discussed the field inspection report conducted on 13.5.2023 and observed that the mineable reserve is 4,04,689 MT and average annual production is 80,938 TPA. The mine life is 5 years. The committee observed the following:

- a. The depth to water table as per Form 2 is 18m bgl and 25m bgl as per addl. Document submitted. Both seem to be incorrect.
- b. There is a house found around 54m during fieldwork. Also, a shed used for agricultural purpose is found located at the boundary. Both are not shown in survey map.
- c. The production plan in the mining plan and PFR are different
- d. The EMP cost does not include the cost of environmental monitoring and CER

Based on the discussions, the Committee decided to direct the proponent to submit the following additional documents:

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. There is a house found around 54m during field work. Also, a shed used for agricultural purpose is found located at the boundary. Both are not shown in survey map. Therefore, submit a revised survey map certified by the Village Officer and reason for giving an incomplete certified survey map
3. Explanation for giving different production plans (The mining plan and PFR indicates different annual production plan)
4. Revised EMP integrating details of environmental monitoring and cost for environmental monitoring and CER
5. Details of drainage such as garland canal, silt traps, siltation ponds, overflow channels and connectivity to natural drain
6. Protection plan for OB dump site
7. Details of compensatory afforestation plan including geo-coordinates of the proposed site, geo-tagged photographs of the proposed site to show the present status and ownership details along with proof.
8. Details of the provision for rainwater harvesting, sanitation and waste management measures and energy conservation measures
9. Provide certified safe yield and quality of the source of water (open well) proposed for the project.

11. SIA/KL/MIN/278377/2022, 2058/EC1/2022/SEIAA

Granite Building Stone Quarry of Mr. Sabu Kuriakose, Managing Director, M/s Kavumkal Granites over an area of 0.7070 Ha. in Re.Survey No.470/6 in Vadasserikkara Village, Ranni Taluk, Pathanamthitta. (ADS Received)

Decision: The Committee verified the documents submitted by the proponent including the certificate from the Tahasildar regarding the non-ESA status of the proposed area and **decided to invite the proponent for presentation.**

12. SIA/KL/MIN/284986/2022 , 2122/EC1/2022/SEIAA

Granite Building Stone Quarry of Mr. P. P Asharaf at Survey No.305/1A and 305/1B in Thrithala Village, Pattambi Taluk, Palakkad District, Kerala (ADS Received)

Decision: The Committee verified the documents submitted by the proponent as directed in the 140th SEAC meeting and found the following shortcomings:

1. Viability of proposed post-mining land use.
2. EMP incorporating the environmental issues of the site and surrounding areas and site-specific mitigation measures.
3. PFR with DSR especially resource availability & plan
4. Compensatory afforestation plan indicating species & plan.

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

13. SIA/KL/MIN/286829/2022, 2103/EC2/2022/SEIAA

Environmental Clearance for the Proposed Granite (building Stone Quarry in block No. 52, Re-Survey Nos. 385/1, 385/7, 385/8, 385/9, 385/10, 385/4 – 3,385/14, 385/13, 385/15, 385/2, 385/2 -2, 385/16, 385/16-3, 385/12-2 of Mancode Village, Kottarakkara Taluk, Kollam, Kerala. (FIR Received)

Decision: The committee discussed the field inspection report conducted on 13.5.2023 and found that the mineable reserve is 3,10,000 MT and average annual production is 62,000 TPA. The life of mine is 5 years. Hence **Committee decided to direct the proponent to submit the following additional documents:**

- 1) Fix all the boundary pillars firmly with concrete pillars and submit proof
- 2) Protection plan for the vertical/steep portion of the boundary at the south and south west portion of the proposed site between BP2-BP3-BP4-BP5.
- 3) Details of drainage such as garland canal, silt traps, siltation ponds, overflow channels and connectivity to natural drain
- 4) Protection plan for OB dump site
- 5) Details of compensatory afforestation plan including geo-coordinates of the proposed site, geo-tagged photographs of the proposed site to show the present status and ownership details along with proof.

- 6) A drinking water storage tank is found located on the top of an elevated earth near BP2. Clarification on the possibility of damages and collapse of this structure adjacent to the project boundary
- 7) Details of the provision for rainwater harvesting, sanitation and waste management measures and energy conservation measures
- 8) Provide certified safe yield and quality of the source of water proposed for the project.
- 9) PP has produced a certificate from the Village Officer, Mancode dated 30.12.2022 stating that there are no buildings or other construction activities within 50m of radius of the proposed mine site. However, during the field visit, it is observed that a building connected to the crusher is there at 15m from the proposed project boundary and the crusher is at 40m from the project boundary. There is also a water tank adjacent to the project boundary at BP2, which is also not shown in the location sketch. Reason for hiding the facts in the location sketch and certificate provided by the Village Officer.
- 10) The detailing of the Project cost indicates that the provision for EMP cost is Rs. 32.2 Lakh whereas in the revised EMP, the provision for EMP is made only for Rs. 17.21 Lakh. Provide clarification for reducing the cost earmarked for EMP.
- 11) No provision for CER is given in the Project cost or EMP cost. Provide reason for exclusion of CER cost from the Project cost and EMP cost
- 12) The CER is proposed to provide an Ambulance to the Chithara GP, but no maintenance cost for the same is proposed. Provided reason for not projecting the maintenance cost during the project period.
- 13) The old quarry pit owned by the Chithara Crusher Metals reported to be owned by persons including the PP is not safeguarded against accidents. It is not known whether the quarry is closed based on the approved closure plan. Provided clarification for the same.

14. SIA/KL/MIN/291267/2022, 2116/EC3/2022/SEIAA

Environmental Clearance for the Building Stone Minor Mineral Mining (Quarry) project of Mr. Kurian Jose for an area of 4.0425 ha at Sy. Nos. 340/1AS/75/6/2, 340/1A/S/75/6/3/2, 340/1A/S/75/6/9, 340/1A/S/75/6/10, Kottappady Village, Kothamangalam Taluk, Ernakulam, Kerala (Additional Document received)

Decision: The Committee examined the proposal and noted that the total mineable reserve is 25,11,088 MT (2,40,000 TPA) and Mine life is 12 years. The project cost is 7.03 Crore. Thattekad Bird Sanctuary is located at 8.40 Kms and the ESZ is located at 7.69 Kms from the

periphery of the proposed area as certified by DFO Malayattoor Division vide A2-3472/23 dated 20.04.2023 and hence outside the ESZ. The Moderate Hazard Zone is about at 8.11 km in South East direction. The depth to water table is 31.8m above MSL and the ultimate mine depth is 35m above MSL. The bed level in the adjacent stream is reported as 55m above MSL. The committee discussed the field inspection report conducted on 29.12.2022. Based on discussions, the **Committee decided to recommend EC for a mine life of 12 years** subject to the following Specific Conditions in addition to the General Conditions:

1. Fencing should be done for the entire area
2. Compensatory afforestation should be done as per the plan given
3. The endemic plants shall be protected as the plan given
4. Solar power has to be used for office purpose and street lights
5. Rainwater harvesting tank has to be constructed in the first year itself
6. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
7. 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.
8. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
9. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
10. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).
11. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
12. Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites

13. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
15. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
16. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
17. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.

15. SIA/KL/MIN/402677/2022, 2151/EC3/2022/SEIAA-

Environmental clearance for Ordinary Earth Mining Project of Ms. Sanija Willson at Re.Survey No.385/2-4, 385/3-4 Mulanthuruthy Village, Kanayannoor Taluk, Ernakulam, Kerala Over an area of 0.5666 Ha. (Field Inspection report received)

Decision: The Committee discussed the field inspection report conducted on 20.05.2023 and found that the mineable reserve is 50112 MT and the mine life is 3 years. The observations are the following:

- The nearby houses (4) are on northern side within a distance of 10m. The latest survey map is absent.
- Slope of the terrain is West to east in general and towards the SW at BP2
- The mine plan is for entire area as the area is above the surrounding areas
- Total depth will be 10m
- The reduced height will reduce the potential risk of landslip at the northern side where houses are situated.

As per the rule they require a buffer of 50m between the mining site and road. A set of houses is situated between the road and the mine site leaving the earth and a wall of 12m just behind the houses. This causes the threat of landslips and the possibility of damage to the houses already

constructed. Therefore, it is desirable to remove the soil to a depth of 6m by providing benches of height 1m from the top portion of the site.

Based on discussions, **the Committee decided to recommend EC for a period of three years** subject to the following Specific Conditions in addition to General Conditions:

1. The soil should be removed to a depth of 6m by providing benches of height 1m from the top portion of the site
2. The excavation activity associated should not involve blasting.
3. The excavation activity should be restricted to 2m above the ground water 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 a useful purpose.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emission by covering of 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 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 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)

16. SIA/KL/MIN/404425/2022, 2149/EC4/2022/SEIAA

Environmental Clearance for the proposed, at Re-Survey No-54/1B (71) in Kuttikkattur Village, Kozhikode Taluk, Kozhikode District, and Kerala for an extent of 0.6637 Ha (ADS Received)

Decision: The Committee verified the documents submitted by the proponent after the presentation. The Committee decided to entrust Sri. V Gopinathan and Dr. C C Harilal for field inspection and report.

17. SIA/KL/MIN/406104/2022 2173/EC4/SEIAA/2022

Environmental Clearance for the Proposed Granite Building Stone Quarry Project of M/s Kodancheri Granites and Stones Pvt Ltd at Re-Survey Nos.159/3208, 159/3209, 159/5172, 159/8673, 159/8746, 159/8747, 159/8556, 159/8557, 159/8709, 159/4875, 159/7525, 159/8745 of Nellippoyil Village, Thamarassery Taluk, Kozhikode, Kerala (ADS Received)

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

18. SIA/KL/MIN/406447/2022, 2165/EC3/2022/SEIAA

Granite Building Stone Quarry of M/s. Kadakanad Aggregates Private Limited Granite Sy. Nos: 218/1-2, 219/5-3, 220/2 & 220/2-1 Mazhuvannur Village, Kunnathnad Taluk, Ernakulam District, Kerala State (Additional Document received)

Decision: The Committee verified the documents submitted by the proponent including the certificate of the Tahasildar regarding the ESA status of the area and decided to invite the proponent for presentation.

19. SIA/KL/MIN/408193/2022, 2169/EC2/2022/SEIAA

Environment clearance in respect of the Proposed Granite Building Stone Quarry over an extent of 3.3314 Hectares in Block No.-26, Re-Survey Nos. 431/13, 431/11-4pt, 431/5pt, 444pt (Govt. Land), 432/1pt (Govt. Land), 432/2, 432/4pt, 432/8pt, 445/2pt, 445/8pt, 445/15pt, 445/3-2pt & 445/9pt, at Valakom Village of Kottarakkara Taluk, Kollam District, Kerala State. by Sri. M. Aliyarkunju (ADS Received) (Complaint received from Ratheeshkumar)

Decision: The Committee examined the application submitted by Sri. Aliyarkunju for an area of 3.3314 Hectares with total mineable reserves of 10,66,580 MT, annual production of 1,54,093 TPA and mine life of 10 years. The nearest house is at a distance of 58m. The depth to water table is 7m bgl (88m above MSL) and the elevation difference is 120m to 80m above MSL. The proposed land is partly private and partly Govt. and as per survey map a crusher unit and a shed is located within 50m. The Proponent submitted that the building will be demolished. Pending the requirement of CER as per OM dated 30.09.2020 of MoEF &CC, Compensatory afforestation plan and Details of plants to be removed from the proposed area, the field inspection was carried out on 12.3.2023. The Committee discussed the field inspection report and directed the PP to submit 9 additional documents/details. The Committee also observed that the depth of mining needs to be limited to 90m above MSL and a buffer of 50m need to be maintained between the project boundary and crusher. The Committee also observed the desirability of providing temporary barriers at the boundary encountering the houses within a distance of 100m and usage of mats while blasting to reduce the noise level. The PP submitted the additional documents sought for. The Committee verified the documents and also examined the Complaint received from Sri. Ratheesh Kumar and Smt. Krishna A.R which included certain serious allegations. **Based on discussions, the Committee decided to invite the Proponent for presentation of the project and hearing the explanation/clarifications on the following:**

1. The name of the Proponent in the Application is M. Aliyarkunju. The name given in the attached documents is M. Aliyarkutty. The Proponent has to provide clarification for the same.
2. The proof of stakeholder consultation based on which the CER is prepared is not submitted. The budget provision for the CER also needs review. Considering these, the PP has to submit revised CER.
3. The blasting report submitted seems to have been prepared without conducting blasting. Therefore, the methodology adopted for assessing the impact of vibration on the surrounding built structures need to be detailed and justification provided.
4. The Proponent obtained an EC No. B/DEIAA/5015/18 dt. 19.6.2018 for 0.9847 Ha area falling in R.Sy. No. 445/1, 445/1-2, 445/2, 445/8, 445/9 and 445/15. Some of these survey numbers also form part of the current proposal under consideration. The Proponent has to submit Certified Compliance Report from the Integrated Regional Office, MoEF & CC,

Bangalore.

5. Vide letter no. SZ/BGR/Kollam/22(3)/2020/46 dated 20.1.2020, the Director General of Mine Safety, Bangalore Region ordered to stop mining in the site (to which EC was issued by the DEIAA) due to violations under contraventions observed under the Metalliferous Mines Regulation, 1961. No details are furnished regarding the vacation of the order. The Proponent has to provided clarifications.
6. Vide Proceedings of the District Collector, Kollam dated 14.7.2022, consequent to the Order of the Hon. High Court of Kerala dated 30.3.2022 in WP (C) 2050/22, it is recommended that while considering the application for EC, the SEIAA may consider the complaints of the Complainants. Therefore, the Committee decided to request the SEIAA to hear the Complainants Mr. Ratheesh kumar and Smt. Krishna A.R.
7. The Committee observed two quarries (Travancore Granites and another one), under the consideration of the SEIAA for environmental clearance. As per Appendix XI, issued vide S O NO. 141(E) dated 15.01.2016, there seems to be a cluster condition. The Proponent has to ascertain this.

The Committee decided to invite the proponent for presentation and hearing on the above-mentioned aspects in the forthcoming meeting. The SEIAA Secretariat is directed to share the copy of the complaints and annexures to the Proponent for his response.

20. SIA/KL/MIN/409822/2022, 2161/EC1/2022/SEIAA

Granite Building Stone quarry project of Sri. Thomas Varghese for an extent of 0.8970 Ha in Block No. 28, Survey Nos. 496/2, 496/2-1, 496/3, 496/4, 496/14, 497/4-1-1 of Mallappally Village, Mallappally Taluk in Pathanamthitta, Kerala (ADS Received)

Decision: The Committee verified the documents submitted by the proponent after presenting the project in its 142nd meeting. **The Committee decided to entrust Smt. Beena Govindan and Dr. Mahesh Mohan for field inspection and report.**

21. SIA/KL/MIN/410119/2022, 2190/EC2/2023/

SEIAA Environmental Clearance for the Proposed Granite (Building Stone) Quarry for an extent of 1.1769 Ha in Block No.4, Re-Survey Nos: 228/3 (Government land), 228/2 & 228/4 (Patta land) of Pattazhy Village, Pathanapuram Taluk, Kollam District, Kerala (ADS Received)

Decision: The Committee observed that the proposal is to extract granite building stone of total mineable reserve is 197850 MT (39500 MT per annum) for a mine life of 5 years. The project cost is 1.10Cr. The depth to water table is 10m bgl at 56m East to BP 18. The presentation was done in the 142nd meeting and field inspection was conducted on 18.02.23. Based on discussions, the Committee decided to recommend EC for a mine life of 5 years subject to the following Specific Conditions in addition to the General Conditions:

- 1) Boulders should be removed as per the proposed plan
- 2) The seasonal nalla should be widened and protected so as to accommodate additional storm water generated during rains in the mining area due to vegetation loss.
- 3) Quarry pit water should be utilised as per the plan given for some useful public purpose as part of the Mine Closure Plan
- 4) A road should be developed as per the affidavit given
- 5) Geotagged Photographs of compensatory afforestation, drainage, siltation ponds shall be given along with HYCR
- 6) Development of green belt should be initiated prior to the commencement of mining using indigenous species.
- 7) 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.
- 8) Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
- 9) Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
- 10) Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).
- 11) Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.

- 12) Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
- 13) CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
- 14) Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm). Adequate sanitation, waste management and rest room facilities should be provided to the workers.
- 15) Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
- 16) 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.

22. SIA/KL/MIN/413729/2023, 2235/EC3/2023/SEIAA

Granite Building Stone Quarry of Jose M K, Managing Partner, M/s. Christuraj Granites, over an extend of 0.8189 Ha at Re-Sy No. 35/3,35/3-1,35/3-2 located at Thalappulam Village, Meenachil Taluk, Kottayam District, Kerala (Fresh proposal)

Decision: The Committee verified the proposal submitted by Sri. Jose M K, Managing Partner, M/s. Christuraj Granites on 03.03.2023. As per the mining plan the total mineable reserve is 1,77,198 Tonns and Average annual production is 44,299 TPA. The mine life is 4 years. The highest elevation is 254 m and lowest elevation is 226 m above MSL. The project cost is 100lakhs. The site is in moderate hazard zone. The Committee found the following shortcomings:

1. EMP submitted includes activities that do not come under EMP norms. Revised EMP incorporating the environmental issues of the site and surrounding areas and mitigation measures along with adequate budget and with the integration of CER
2. Compensatory afforestation plan along with coordinates of the proposed site, geotagged photographs of the site, ownership details of the site
3. Recent and legible survey map certified by the Revenue Officials indicating the distance to all the built structures within 200 m distance from the project boundary

The Committee decided to entrust Dr. Mahesh Mohan & Dr. K N Krishnakumar for field inspection and report.

23. SIA/KL/MIN/415585/2023 , 1418/EC1/2019/SEIAA

Environmental Clearance for Proposed Granite Building Stone Quarry of M/s.Optimum Granites Pvt Ltd” situated at Survey No. 274 of ThirumittacodeII Village, Pattambi Taluk, Palakkad District, Kerala (Fresh proposal)

Decision: The Committee verified the proposal submitted by Sri. Deepak Jose Managing Director, M/s.Optimum Granites Pvt Ltd on 02.03.2023. The Public hearing was conducted on 30.07.2022 and ToR was approved on June 2020. As per the mining plan, the mineable reserve is 603813MT and the average annual production is 60381.3 MTA. The mine life is 10 years. The highest elevation of the lease area is 160 m MSL and lowest is 115 m MSL. The Chittanda Reserved Forest is at 8km, The Kochusheema Forest is at 588m in SW side and Erumapetty Forest Station is situated at 1.45km on southern side. **The Committee decided to entrust Dr. K N Krishnakumar and Dr. A V Raghu for field inspection and report.**

24. SIA/KL/MIN/416432/2023 , 2232/EC6/2023/SEIAA

Application for Environmental Clearance for the Granite Building Stone Quarry Project of Sri.Abdul Noufal M.P for an area of 0.5663 Ha at Sy.No.66/2-30 in Pulamanthole Village, Perinthalmanna Taluk, Malappuram (Fresh Application)

Decision: The committee verified the proposal submitted by Sri. Abdul Noufal M.P on 07.03.23. As per the mining plan, the annual production is 23,025 MT per annum and the life of mine is 5 years. The highest elevation is 100 m RL and lowest is 85 m RL. The project cost is 60 lakhs. **Hence Committee decided to invite the proponent for presentation.**

25. SIA/KL/MIN/417135/2023 , 2233/EC3/2023/SEIAA

Environmental Clearance for the Building Stone Minor Mineral Mining (Quarry) project of M/s RDR Crushers Private Limited located at Chengalam East Village of Kottayam Taluk, Kottayam District, Kerala in an area of 2.5907 hectares (Fresh Application)

Decision: The Committee verified the application submitted by Sri. Ren Shibu, RDR Crushers Private Limited on 06.03.2023. As per the mining plan the mineable reserve is 9,76,465 MT and average annual production is 2,00,000 MTA. The mine life is 5 years. The highest and lowest elevations are 115 m AMSL to 90 m AMSL respectively. The project cost is Rs. 5.68 Crores. The Nearest habitation is at 50.38 m towards SW side of the proposed area. There are many

houses near the quarry which could not be ascertained due to an illegible survey map. Land use details are not provided. **Hence Committee decided that the application shall be considered after rectifying the shortcomings.**

26. SIA/KL/MIN/417759/2023 , 2234/EC3/2023/SEIAA

Environmental Clearance for Building Stone Minor Mineral Mining (Quarry) project of M/s SSC Projects is situated at Block No. 41, Re-Survey Nos. 235/5, 239/3-1, Kooroppada Village, Kottayam Taluk, Kottayam District, Kerala for an area of 0.9981 hectares (Fresh Application)

Decision: The Committee verified the application submitted by Sri. Mr. Shibu Mathew, Managing Partner, M/s SSC Projects on 06.03.2023. As per the mining plan the mineable reserve is 1,56,513 MT. The mine life is 3 years. The project cost is Rs. 3.83 Crores. The highest and lowest elevations are 100 m AMSL to 82 m AMSL respectively. The Committee observed that the site proposed for compensatory afforestation is adequate. **Hence Committee decided to invite the proponent for presentation.**

PART 3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/143575/2020, 1990/EC1/2022/SEIAA

Granite (Building Stone) Quarry of Sri. Muhammed Kutty for an extent of 0.5379 Ha at Sy. No. 247/3 in Pattithara Village, Pattambi Taluk, Palakkad, Kerala (Fresh Application)

Decision: The Committee verified the proposal and observed that the proposed area is 0.5379 ha. The maximum annual production is 30,000 MTA. The highest and lowest elevation is 95m RL and 90m RL. **The Committee decided to invite the project proponent for a presentation.**

2. SIA/KL/MIN/159489/2020, 2120/EC2/2022/SEIAA

Granite Building Stone Quarry of Sri Sudheesh. A. T over an extent of 2.1069 Ha. at Re- Survey Block No. 36, Re. Survey No. 354/2, 354/4, 354/5, 356/2pt in Edavaka Village, Mananthavady Taluk, Wayanad, Kerala (Fresh Application)

Decision: The Committee verified the proposal and observed that the proposed area is 2.1069 ha. The proposed production is 106940 MT. The highest and lowest elevation is 761.6 m AMSL and 733.3 m AMSL. The life of mine is 5 years. The Committee on verification of the documents found the following shortcomings:

1. The recent survey map, Cluster Certificate and non-assignment certificate

2. Detailed drainage plan connecting to the natural drain Drainage Plan
3. OB dump plan of the proposed area
4. Hazard Zonation map

The Committee decided to invite the project proponent for a presentation.

3. **SIA/KL/MIN/269321/2022, 2174/EC3/2022/SEIAA
Environmental Clearance for Granite Building Stone Quarry of Sri. Sajeev. M. A.
over an area of 1.8592 Hectare, at Survey No. 959/1L, 959/1L2,959/1L-8 in
Kothamangalam Village, Kothamangalam Taluk Ernakulam District and Kerala
(Fresh Application).**

Decision: The Committee verified the proposal and observed that the proposed area is 1.8592 ha. The life of mine is 15 years. The Committee on verification of the documents found the following shortcomings:

1. Land use break-up
2. Thattekkad Bird Sanctuary is 6km and hence the proof of application submitted for WLC from SBNBWL.
3. Details of the area proposed for compensatory afforestation along with geo-coordinates of the proposed site, geo-tagged photographs of the proposed sites, and ownership details of the proposed site with proof.
4. Details of the water table
5. OB dump plan of the proposed area

The Committee decided to invite the project proponent for a presentation.

4. **SIA/KL/MIN/278782/2022, 1299/EC1/SEIAA/2019
Granite (Building Stone) Quarry of Sri M P Kuriakose for an extent of 1.0855 Ha at
Re-Survey Nos. 122/2 & 122/ in Padichira Village, Sulthan Bathery Taluk,
Wayanad, Kerala (Fresh Application).**

Decision: The Committee verified the proposal and observed that the proposed area is 1.0855 ha. The life of mine is 5 years. The project cost is 1.21 Cr. As per the survey map, there are houses within 200m. An abandoned quarry is near to the area. It is noted that the Proponent has to submit details of landuse, wildlife sanctuary, biodiversity details, compensatory afforestation plan, depth to water table, OB dumping site and protection etc. **The Committee decided to invite the project proponent for a presentation.**

5. SIA/KL/MIN/288582/2022, 2110/EC4/2022/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry lease area for an extent of 1.3297 Ha at Re-Survey No. 132/1A, in Perinthatta Village, Thaliparamba Taluk, Kannur, Kerala (Fresh Application).

Decision: The Committee verified the proposal and observed that the proposed area is 1.3297ha. The Committee observed that there is a building at 45m and an abandoned building at 66m. The proposed area is in a slope. The area seems to be rich in biodiversity. The proposed production is 57130 MT. The Committee observed the following discrepancies:

1. The depth to water table.
2. Cluster Certificate is of the year 2018.
3. No pre-mining land use.

The Committee decided to entrust Sri. V. Gopinathan and Dr. A N Manoharan for field inspection and report.

6. SIA/KL/MIN/291136/2022 , 2111/EC1/2022/SEIAA

Granite Building Stone Quarry of Mr. Jayesh Thomas situated at Survey Block No. 31, Re. Survey No.317/10, 317/11, 317/3, 317/12 in Vadasserikkara Village, Ranni Taluk, Pathanamthitta District, Kerala State for an area of 0.4120 H (Additional Documents received).

Decision: The Committee verified the proposal and the certificate of the Tahasildar. As per the Cluster Certificate dated 16.08.2022, there are no quarries but as per the google imageries there is another quarry working near the proposed area, viz, M/s Modern Rock Mining Industry. The committee noted that on verification with the forest boundary, the proposed area seems to be within the forest area. The Committee decided to get clarification regarding the same.

7. SIA/KL/MIN/411075/2022, 2241/EC1/2023/SEIAA

Granite Building Stone Quarry of Sri. Unneenkutty in Re.Survey Block No. 36 Re.Survey no. 347 Kulukkallur Village, Pattambi Taluk, Palakkad District (Fresh Application)

Decision: The Committee verified the proposal along with the documents submitted and found that the proposed area is 0.5192 ha. The production capacity is 21000 MTA. The life of mine is 5 years. The Cluster Certificate issued in 2018 stated that there are no working quarries within 500m radius. **The Committee decided to invite the project proponent for a presentation.**

8. SIA/KL/MIN/411076/2022, 2251/EC3/2023/SEIAA

Granite Building Stone Quarry of Shibin William Varghese, Managing Director M/s.Nalayyath Granites Pvt .Ltd over an extent of 0.9884 Ha at Re-Survey Nos.120/1-13,120/1-14,120/1-15,120/1-15-1 Block No. 24, of Erumeli South Village, Kanjirappally Taluk, Kottayam District, Kerala (Fresh Application)

Decision: The Committee verified the proposal and found that there is another quarry of M/s Thomsun Sands and Metals Pvt. Ltd having an area of 4.23 ha working within the radius of 500m. The Committee found that there is a cluster situation: hence the proponent has to apply for the approval of ToR. (As per Appendix.XI, Procedure for Environmental Clearance for mining of minor minerals including cluster, It is stated in Note-(5) that ‘.....leases which have got EC as on 15th January 2016 shall not be counted for calculating the area of the cluster, but shall be included in the EMP and Regional EMP’. Here the EC for Thomsun Sands was issued on 08.02.2017.)

9. SIA/KL/MIN/411676/2022 , 2256/EC3/2023/SEIAA

Granite Building Stone Quarry of Shibin William Varghese, M/s.Nalayyath Granite Pvt. Ltd, over an extent of 0.9308 Ha at Re.Survey No.120/1-12,120/1-13,120/1-14. Block No: 24 of Erumeli South Village, Kanjirappally Taluk, Kottayam District, Kerala (Fresh Application)

Decision: The Committee verified the proposal and found that there is another quarry, M/s Thomsun Sands and Metals Pvt. Ltd having an area of 4.23 ha working within the radius of 500m. The Committee found that there is a cluster situation: hence the proponent has to submit an application for the approval of ToR. (As per Appendix.XI, Procedure for Environmental Clearance for mining of minor minerals including cluster, It is stated in Note-(5) that ‘.....leases which have got EC as on 15th January 2016 shall not be counted for calculating the area of the cluster, but shall be included in the EMP and Regional EMP’. Here the EC for Thomsun Sands was issued on 08.02.2017.)

10. SIA/KL/MIN/413691/2023 , 2239/EC2/2023/SEIAA

Granite Building Stone Quarry of M/s. Travancore Granites at Re Survey Nos. 442/2pt, 442/3pt, 442/4pt & 452/2- 2pt, at Valakom Village of Kottarakkara Taluk, Kollam, Kerala (Fresh Application)

Decision: The Committee verified the proposal and the documents and found that the total production is 1874449MTPA. Life of mine is 10 years. The total area is 4.1339 ha. The LoI was

issued on 15.02.2021. As per the Cluster Certificate issued dated 30.12.2022, two quarries having an area of 3.3114 ha and 98.47 ars (stated as Abandoned quarry) are there within 500m radius of the proposed area. In this situation, the project is in cluster condition with the adjacent quarries. As per Appendix XI, issued vide S O NO. 141(E) dated 15.01.2016, there is a cluster condition. **The Proponent has to submit an application for the approval of TOR for the preparation of EIA report.**

11. SIA/KL/MIN/414508/2023 , 1763/EC6/2020/SEIAA

Environmental Clearance for the Granite Building Stone Quarry Project of Sri.AbduRahooof for an area of 3.2586 Ha at Resurvey No. 104/2B-5,104/2B-7,104/2B-4,104/2B-38 ,Block No.2 in Kannamangalam village ,Thirurangadi taluk, Malappuram (Fresh Application)

Decision: The Committee verified the proposal along with the documents submitted by the project proponent. The proposed area is 3.2586 ha. As per the Cluster Certificate, there is another quarry within 500m radius. The Committee after discussions **The Committee decided to entrust Dr. Gopinathan and Dr. A V Reghu for field inspection and report. The Sub-committee has to verify the EIA report while preparing the field visit report.**

12. SIA/KL/MIN/414973/2023 , 2237/EC3/2023/SEIAA

Granite Building stone quarry of Shri. Dileep Kumar, at Survey No: 372/1A/3/8/8, 372/1A/4/9/11 in Kottappady Village , Kothamangalam Taluk , Ernakulam, Kerala (Fresh Application)

Decision: The Committee verified the proposal along with the documents submitted and observed that the proposed area for mining is 0.9956 ha. The Committee on verifying the documents observed the following shortcomings:

1. The survey map submitted is not legible
2. Revised EMP with site specific management strategies.
3. Proof of application submitted to get WLC to SCNBWL, since Thattekkad WLS is within 6 km.

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

13. SIA/KL/MIN/416864/2023, 2252/EC6/2023/SEIAA

Application for Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Ummer for an area of 0.9766 Ha at Survey No.434/2-6,block No.79 at Wandoor Village, Nilambur Taluk, Malappuram (Fresh Application)

Decision: The Committee verified the proposal along with the documents submitted by the project proponent. The proposed area is 0.9766 ha. Life of mine is 5 years. The production capacity is 57869 MTA. Depth of water level in Bore well is 54m. **The Committee decided to invite the project proponent for presentation.**

14. SIA/KL/MIN/422012/2023 , 2265/EC6/2023/SEIAA

Application for Environmental Clearance for the Laterite Building Stone Quarry of Muhammed Ali for an area of 0.2550 Ha at Re-Survey Nos: 82/1-46, 82/3-1 of Kurumbathur Village, Tirur Taluk, Malappuram (Fresh Application)

Decision: The Committee verified the proposal along with the documents submitted by the project proponent. The proposed area is 0.2250 ha. Life of mine is 1 year. The production capacity is 22312.5 MTA. The project cost is 8 lakh. **The Committee decided to invite the project proponent for presentation.**

15. SIA/KL/MIN/422091/2023 , 2257/EC3/2023/SEIAA

Granite Building Stone Quarry of Shri. Maneesh P Mohanan” over an extent of 0.8586 Ha. (2.0968 Acres) at Sy. Nos. 476/1/15, 476/1/15, 477/2, 477/2/2, 477/2/4, Thirumarady Village, Muvattupuzha Taluk, Ernakulam District, Kerala (Fresh Application)

Decision: Decision: The authority in its 120th meeting rejected the proposal based on a built structure at a distance of 20m. The rejection order was issued on 06-01-2023. Now Project Proponent submitted a request letter along with photographs, stating that he had demolished the structure which was situated at a distance of 20m. The Committee also noted that a complaint was received from the local residents on 12-01-2023. The committee discussed the field inspection report conducted on 7.05.23. The compliance status is annexed and the observations are as follows:

- Road is narrow and <50m length of the 300m long road is a part of Panchayath road
- A petition is signed by 361 people and submitted to NGT
- There are no houses situated immediately downstream towards the quarry benches facing

Based on discussions, the Committee noted that the reason for rejection is no more existing. However, there is a mass complaint against the issuing of EC which indicates various reasons.

Hence the Committee decided to provide the complaints to the proponent to get his remarks. The Committee also decided to hear the representatives of the complaints before taking a final decision. The Committee also noted the requirement of the following documents:

1. Modified CER
2. OB dump plan
3. Energy conservation measures
4. Details for Rainwater harvesting
5. Details of Groundwater level
6. Road development plan from the main road to the quarry site
7. Compensatory afforestation plan

16. SIA/KL/MIN/422372/2023 , 2262/EC3/2023/SEIAA

Granite Building stone quarry of Ashok Mathai Alexander located in Kokkayar Village, Peerumade Taluk, Idukki District over an extent of lease area 4.50.00 ha Survey No.431 Part1 and 442 Part 2. (Fresh Application)

Decision: The Committee verified the proposal and all the documents submitted by the proponent. The Committee noted that the proposed area is in ESA village as per the existing notification. The Committee observed the following shortcomings:

1. The Mine plan submitted is not authenticated by Mining and Geology department.
2. Detailed plan for compensatory afforestation consisting of the geo-coordinates of the demarcated area for compensatory afforestation, geo-tagged photographs of the location, number of trees proposed and the type and species of trees, shrubs, herbs and climbers included in the afforestation program
3. Revised EMP with site-specific management strategies and a detailed budget.
4. Drainage plan connecting to the natural drain with intermittent silt traps.
5. The Project Proponent should submit a Certificate from a revenue official not below the rank of Tahsildar with duly signed cadastral level map published in the website of KSBB demarcating the ESA and non-ESA areas in the village. The certificate should include the nature of land, nature of possession and a report on natural hazards like landslides, etc., if any.

The Committee decided appraise the project after obtaining the documents.

17. SIA/KL/MIN/422678/2023 , 1675/EC2/2020/SEIAA

Granite (Building Stone) Quarry of Aishwarya Granites (Represented by its Managing Partner, A M Chackochan) in Re-Sy. No. 121/2 part of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala for an extent of 0.6803 Ha (Fresh Application)

Decision: The Committee verified the proposal and all the documents submitted by the proponent. The Committee noted that the Cluster Certificate is in the year 2020. The Committee observed the same application was rejected due to the presence of a crusher within 50m. Now the proponent submitted a fresh application. **The Committee decided to invite the project proponent for a presentation.**

18. SIA/KL/MIN/423070/2023 , 2254/EC6/2023/SEIAA

Application for Environmental Clearance for the Granite Building Stone Quarry project of 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 (Fresh Application)

Decision: The Committee verified the proposal and all the documents submitted by the proponent. The Committee noted that the proposed area is 0.5009 Ha. The project cost is 100 lakh. The proposed area is 3.07 km from the medium hazard zone. The proponent has not submitted the details of area proposed for compensatory afforestation along with geo-coordinates of the proposed site, geo-tagged photographs of the proposed sites, and ownership details of the proposed site with proof. **The Committee decided to invite the project proponent for a presentation.**

19. SIA/KL/MIN/423139/2023 , 2250/EC1/2023/SEIAA

Granite Building Stone Quarry of Abdul Kareem in block no. 29, re-survey nos: 364/2, 364/3, 364/4, 364/6, 364/8 of Manickal Village, Nedumangad Taluk, Thiruvananthapuram (Fresh Application)

Decision: The Committee verified the proposal and all the documents submitted by the proponent. The Committee noted that the proposed area is 1.5370 Ha. The project cost is 200 lakh. Life of mine is 5 years. On verification of the Cluster Certificate dated 23.02.2023, there are two quarries M/ VKL Infrastructures Pvt Ltd having an area of 4.3311 ha and 4.0394 ha adjacent to the proposed area. The lease period of the same expired on 25.06.2021 and 2.04.2022. But the date of issuance of lease is not mentioned in the Cluster Certificate. The

Committee decided to direct the proponent to submit TOR application for the EIA study. (As per Appendix. XI, 'a cluster shall be formed when the distance between the peripheries of one lease is less than 500 meters from the periphery of other leases in a homogeneous mineral area which shall apply to the mine leases or quarry licenses granted on or after 13th September 2013'.)

20. SIA/KL/MIN/423358/2023 , 2381/EC4/2022/SEIAA

Granite Building Stone Quarry of M/s. Kanakakunnu Stone Industries and M Sand in Survey No: Sy. No. 292/1A, New Naduvil Village, Thaliparamba Taluk, Kannur District, Kerala State. Over an area over an extent of 3.4501 Ha. (Fresh Application)

Decision: The Committee verified the proposal and all the documents submitted by the proponent. The Committee noted that the proposed area is 3.4501 Ha. area is between medium and high hazard zone. The Cluster Certificate submitted is 16.04.2018. The proposed area seems to be slope. The Committee observed the following shortcomings:

1. Recent Cluster Certificate from the M& G Department.
2. Non-assignment certificate from the VO
3. Recently certified legible survey map showing the structures with in 200 m radius.

The Committee decided to entrust Dr. Ajayakumar Varma and Dr. Gopinathan for field inspection and report.

21. SIA/KL/MIN/426206/2023 , 2261/EC1/2023/SEIAA

Building Stone Minor Mineral Mining (Quarry) project of M/s VSC Villaments at Block No.47, Re-Survey 319/7, 318/13, 322/5, 320/1-1, 320/4-2, 320/1-3, 320/1-4, 320/1-6 of Aryanad Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala for an area of 2.700 hectares. (Fresh Application)

Decision: The Committee verified the proposal and all the documents submitted by the proponent. The Committee noted that the proposed area is 2.7 Ha. Life of mine is 10 years. The proposed production capacity is 128100 MTA.

The Committee decided to invite the project proponent for a presentation.

22. SIA/KL/MIN/428820/2023 , 2268/EC1/2023/SEIAA

Environmental Clearance for Ordinary clay mining project of Mr. Abdul Latheef. C. M, over an extent of 0.1215 Ha, Re Survey No-642/40, Re Survey Block No-29 in Kavasseri-1 Village of Alathur Taluk, Palakkad District, Kerala (Fresh Application)

Decision: The Committee verified the proposal and all the documents submitted by the proponent. The Committee noted that the proposed area is 0.1215 Ha. Life of mine is 10 years. The maximum production proposed is 4860 MT. **The Committee decided to invite the project proponent for a presentation.**

23. SIA/KL/MIN/411554/2022 , 2224/EC4/SEIAA/2023

Environmental Clearance for Granite (Building Stone) Quarry of Sri. Shamsudheen at Survey No 1 in Udayagiri village, Taliparamba Taluk, Kannur District, Kerala for an extent of 4.5622 Ha (Legal advice received)

Decision: The quarry is having valid EC, having an area of 4.5623Ha. The proponent has submitted the Cluster Certificate dated 01.11.22, which is not legible. Therefore the Committee is unable to decide whether ToR is applicable or not. The Committee verified the legal opinion of the legal officer regarding the cluster condition. The area seems to be steep slopy and fragile. After discussions, **the Committee decided to invite the proponent for presentation.**

24. SIA/KL/MIS/281995/2022 , 666/SEIAA/KL/5181/2014

Hospital cum Medical Campus Project owned by M/s Sree Anjaneya Medical Trust at Modakkalur, Kozhikode. (Violation Case-Previous file No.666/SEIAA/KL/5181/2014) - (FIR Received)

Decision: The Committee discussed the field verification report conducted on 04.02.2023. The Committee noted that the presentation was done in the 136th meeting. During the field visit the Sub-committee noted the following:

1. Indoor air quality is not properly monitored, need to monitor Raon concentration once
2. No effort is found taken to utilize an alternate source of energy (Solar)
3. Adequate effort for the drainage of overland flow is lacking
4. Solid waste management, especially the non-recyclables, need clarification
5. EMP is not based on the assessment of nature and magnitude of impacts due to the type and intensity of activities of the project
6. CER is not conceived as per the relevant OM of the MoEF &CC.

The Committee decided to direct the project proponent to submit the following documents/clarifications for further appraisal:

1. The ToR has been sanctioned by the MoEF based on the application for EC for the Project under 8(a) category (Violation) vide File No. F. No. 23-137/2018-IA-III (V) dated 26.7.2018 with a validity of 3 years, i.e. up to 25.7.2021. The Form 1A, EIA and

EMP are submitted to the SEIAA on 11.7.2022. PP should clarify whether the extension of the period of validity of ToR has been obtained or not and if so, submit a copy of the order extending the validity of ToR. If not, the reason for the same.

2. The ToR has been sanctioned considering the project to be one which violated the provisions of the EIA Notification, 2006. However, the application in Form 1, Form 1A, EIA and EMP document are submitted for existing buildings constructed violating the provisions of EIA notification and also proposed buildings for expansion. Since the existing buildings do not have EC, its expansion proposal cannot be considered along with the proposal for EC for existing buildings under violation to be dealt with as per the OM dated 7.7.2021. Therefore, the PP should submit application as envisaged in the ToR for the existing buildings along with Form 1A, EIA and EMP documents applicable to the existing BUA, if they have got the validity of the ToR extended.
3. The PP claims that the existing BUA includes an area of 64,900.39m² under educational institutions which is exempted as per Notification dated 22.12.2014 of the MoEF &CC. Therefore, the PP claims that the total BUA constructed violating the EIA notification is only 40,572.17 m². However, this notification is applicable in the territorial jurisdiction of the Hon. High Court of Kerala subject to the outcome of the court cases mentioned in the OM dated 4.10.2022 consequent to an interim order on WP (C) 3097 of 2016(S) dt. 17.9.2020 and 23.11.2020 against OM dated 22.12.2014. In this background, it is desirable to seek the response of the PP as to the consequential implications.
4. Clarification regarding the date of completion of the buildings given as 2012 in the ToR application and 2017 in the EIA document.
5. The total BUA of buildings constructed violating the provisions of EIA notification is stated as 1,45,175.20 m² in the ToR application, 1,05,472.56m² in Form 1 and 1,19,699.80 m² in the EIA document as the BUA completed during 2006 to 2017. The PP should clarify the difference in the BUA of existing buildings and provide the actual existing BUA along with proof.
6. During the field inspection, the Sub Committee observed a building under construction, the photo of which is given below. It indicates that the PP is undertaking constructions even today violating the provision of the EIA notifications. Therefore, PP should clarify as to why action should not be taken against his as per the OM dated 7.7.2021.

7. The Project Cost and its details are not given in the application or EIA document. The brief summary of the project uploaded in Form 1 indicates that the cost of the project is Rs. 90.70 Cr for completion of 1.05,472.56 m². This works out to be Rs.8599/m² or Rs.798.91/ft². This does not seem to be the actual project cost incurred. Therefore, the PP should submit the actual project cost incurred with proof or appropriate certification.
8. It is stated that a part of the biodegradable waste generated (699 Kg/day) is treated using a biogas plant of capacity 250 Kg/day and the remaining waste is transferred to pig farms. Submit proof of such transfer and details of such facility to which the transfer is made.
9. It is stated that the recyclable waste is handed over to authorized recyclers and non-recyclables to Municipal Garbage System. The Municipal system do not seem to have established facility for handling non-recyclable waste. In the circumstance, provided an explanation as to the handling of non-recyclable waste with proof.
10. It is stated that the STP capacity required is 563 KLD and what is provided is having a capacity of 550 KLD. Clarify as to how the rest of the waste water is treated.
11. There seems to have no effluent treatment plant set up. Clarify as to how the waste water other than sewage is treated, reused or disposed.
12. The water requirement estimated for monsoon is more than that estimated for non-monsoon season. Clarify whether the values provided is correct and if so provide explanation for the same.
13. The Parking statement in Form 1A indicate that there is no provision made for any parking in the existing building. It indicates that the parking required are 1244 for 4-wheelers, 48 for disabled, 30 for ambulance and 5673 m² for 2-wheelers. The proposed parking facility is 1247 for 4-wheelers, 50 for disabled, 30 for ambulance and 4618.35 m² for 2-wheelers. Provide reason for not making provision for parking as per norms. Also clarify whether this is for the existing and proposed buildings and provided details regarding the adequacy.
14. There is no provision made in the buildings for utilization of solar energy as envisaged in Clause No. 77 and 78 of the KPBR Rules, 2019. Provide clarification for the same.
15. In order to encourage eco-friendly constructions in the State, the Government have issued guidelines vide GO(MS) No. 39/2022/LSGD dated 25.2.2022. Clarify whether these guidelines have been complied. If not, the reason for lack of compliance.

16. The Malabar Wild Life Sanctuary is reported as located at a distance of 8.5km. Therefore, submit a letter from the wildlife warden regarding the width of ESZ at the relevant portion of the WLS and whether the site falls within the ESZ and proof of application submitted to the NBWL for clearance
17. Impact of the project activities on land, water, air quality, noise level, flora and fauna, different socio-economic aspects, accidents and hazards etc. and also on land use, change of water course, topography, drainage, wildlife, water logging leading to water-borne diseases, if any.
18. Clarification of whether the environmental quality has been monitored at six monitoring stations or not.
19. Site-specific meteorological data collected
20. Socio-economic conditions of the nearby areas and their impact on the project design and operation.
21. Contour plan of the site indicating slopes and showing drainage pattern and outfall. The contour map provided in the EIA report is for the entire impact zone
22. Development strategy of the area.
23. Storm water drainage details and outfall.
24. Details of the sources of water and their sustainability characteristics based on scientific study carried out.
25. Ground water recharge pits as per MoEF guidelines.
26. Water balance considering population projection, residents and sources of water using the reduced water consumption as envisaged in the Manual on norms & standards for EC of large construction projects
27. Details of water supply system design and their environmental benefits.
28. Expenditure incurred for the housing of construction labor within the site with all necessary infrastructure and facilities such as health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps, and toilets for women, crèche for infants etc.
29. Occupational health impact of the project
30. Health study regarding prevailing diseases, mortality rate etc. & Health and Safety Plan

31. Quantify the amount of non-conventional energy used, day light utilization, solar component etc
32. Traffic management and circulation plan including parking & loading/unloading areas based on traffic surveys on weekdays and weekend.
33. Provision of green belt for mitigation of dust & noise and buffer between habitation & industry.
34. Describe landscape plan, horticulture plan, green belts and open spaces with percentage of green cover
35. Revised EMP incorporating environmental cost and benefit assessment, technical and institutional aspects and Env. Monitoring Plan
36. CER plan and adequate budget based on proper SE survey and its findings and keeping in view the felt needs of local populations.
37. Details of any litigation pending against the project and /or any direction /order passed by any Court of Law against the project, if so, details thereof.
38. Details of the conservation of resources, energy efficiency and use of renewable sources of energy in the light of ESBC code.
39. Details of the system of the company for reporting non-compliances/violations of Environmental norms to the Board of Directors and /or shareholders or stakeholders at large in the EIA report.
40. Number of days of violation
41. Details of each environmental attribute subjected to environmental damages in qualitative and quantitative manner- air pollution, noise level, quality and quantity of water, soil, vegetation, other flora and fauna, different socio-economic aspects
42. Description of activities contributed to the environmental damages and degradation
43. Environmental damages and degradation assessed for all the environmental attributes during the construction and operation phases of the project
44. Revised remediation and natural resources and community augmentation plan and cost
45. Details of the implementation plan for Remediation and Community & Natural Resource Augmentation Plan.

25. SIA/KL/INFRA2/404063/2022 , 2133/EC6/2022/SEIAA

Environmental Clearance for proposed expansion of existing MES Medical College & Hospital to be developed by M/s The Muslim Educational Society in Sy. No. 147, 147/3, 147/4, 148/1-3, 148/1-4, 148/2, 148/2-1, 148/3-7, 148/3-8, 148/3-9 of Angadippuram Village and Sy. No. 19/3-1, 21/2-15, 21/2-16, 21/2- 18, 21/3-5, 21/4-4, 21/4-6, 21/5-1, 21/5-2, 21/6-3, 21/6-4, 29/14-2, 2-/17-8, 32, /4-2, 33/14-1, 33/7-2, 33/8-1 in Puzhakkattiri Village, Malaparamba, Perinthalmanna. (FIR Received)

Decision: The Committee discussed the field verification report. The Committee decided to direct the project proponent to submit the following documents/ clarifications for further appraisal:

1. The application is seeking EC for expansion of MES Medical College & Hospital by constructing 41004 m² area to the existing buildings of area 96,475 m² area. The PP claims that the existing building is constructed prior to 2006 but as per the historical google image it is not found correct. Therefore, authenticated proof for the existence of building of area 96,475 m² prior to 2006.
2. Feasibility to enhance the use of solar power
3. Details of collection and management of biodegradable waste
4. Details of collection and management of non-biodegradable waste and E-waste
5. Details of the proposed sludge digester
6. Conservation and protection plan for the proposed water sources and sustainable utilization plan for the existing water sources
7. Inflow details of various types of vehicles to the campus and detailed parking provisions proposed along with its locations
8. The overland flow will be high and intense during high rainfall. Detailed drainage plan for managing overland flow considering the fact that the site is located on the summit terrace with steep slope all around and appropriate drainage of overland flow is important for the conservation of sloping land on the periphery of the site.
9. Details of rainwater water harvesting and rainwater recharge measures, proposed if nay, within the plot on the summit and their feasibility and protection plan from the point of view of disasters/accidents
10. Detailed CER plan as per norms of the MoEF & CC.
11. The green belt area given in the application form and EMP seems to be different. Clarification and proposal for green belt and plan for enhancing the greening of the plot

12. Details of floor area ratio and existing and proposed coverage of BUA

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

1. SIA/KL/MIS/300687/2023 , 851/SEIAA/EC1/2967/2015

Extension of Environmental Clearance issued to Life Science Park at Thonnakkal in Sy.No.187, 188, 192 in Veiloor Village, Thiruvananthapuram Taluk, Thiruvananthapuram District (Fresh Application)

Decision: The Committee verified the proposal along with the documents submitted by the proponent. The Committee noted that the EC for the building project in the area for a built-up area of 35,309.7 M² was issued on 1.06.2016 which is valid up to 31.05.2023. On verification, the Committee observed the following shortcomings:

1. Revised environmental quality data not submitted.
2. Even though environmental issues of the area were identified, it is not properly addressed in the EMP.

The Committee decided to entrust Dr. A Bijukumar Varma and Er. Dileep kumar for field inspection and report.

CONSIDERATION OF TOR PROPOSALS

1. SIA/KL/MIN/425815/2023, 2255/EC1/2023/SEIAA

Application for TOR (Terms Of Reference) for the Proposed Granite Building Stone Quarry Fayis C. K, Managing Partner, M/s. Planet Sand & Aggregates over an area of 4.7672 Ha located at Survey No. 208/1, Alanallur – III Village, Mannarkkad Taluk, Palakkad District, Kerala. Total Cluster Area: 5.7325 Ha (Fresh Application)

Decision: The Committee examined the proposal and decided to recommend Standard ToR with the following studies:

1. Vibration studies to evaluate the zone of influence and impact of blasting on the neighborhood as suggested in para (e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10-2014 of MOEF&CC
2. A cumulative impact assessment report and EMP considering the adjacent quarries.
3. Hydrological study of the area and its impacts
4. Impact on wildlife, especially considering the presence of wildlife corridors, passages,

animal conflicts, etc, if any.

5. Breach potential of the area.

The proponent shall submit the proof of application submitted to the SCNBWL for Wildlife Clearance and certificate regarding whether the site falls within the declared/proposed buffer zone or not and also the distance of the site from the boundary of the buffer zone.

2. SIA/KL/MIN/429866/2023, 2272/EC4/2023/SEIAA

Terms of Reference for Granite Building Stone Quarry Project of M/s. Peringome Stone Crusher, over an extent 2.9188 Ha. (7.2123 acre) in Survey No. 336/4, 336/5, 336/101, 336/102, 336/103, 304/3, 304/11, 308/101, 309/101 in Block No. 41 of Peringome Village, Peringome- Vayakkara Grama Panchayath, Payyannur Taluk, Kannur District (Fresh Application)

Decision: The Committee examined the proposal and decided to recommend Standard ToR with the following studies:

1. Vibration studies to evaluate the zone of influence and impact of blasting on the neighborhood as suggested in para (e) of OM No Z -11013/57/2014-IA. II (M) dated 29-10-2014 of MOEF&CC
2. A cumulative impact assessment report and EMP considering the adjacent quarries.
3. Breach potential study.

3. SIA/KL/MIN/428258/2023, 2264/EC2/2023/SEIAA

Granite Building Stone Quarry of M/s Shah Quarry (Represented by its Managing Partner, K J Thomaskutty) with lease area 4.8894 ha, is located in survey No. 320/1, 320/1-2, 320/1-3, 320/1-4, 320/1-5, 320/1-2-2, 320/2-3, 320/2-4, 320/2-5, 320/2-6, 320/2-8, 320/2-10, 322/2-2, 322/2-3, 322/5, 326/2-2, 325/3, 324/5-1, 324/7, 324/5-1-2, 318/1-6, 320/3, 321/15, 321/28, 321/16, 322/7, 322/4, 318/1-2 at Chadayamangalam Village, Kottarakkara Taluk, Kollam District, Kerala. (Fresh Application)

Decision: The Committee examined the proposal and decided to recommend Standard ToR with the following studies:

1. Baseline air quality data should be collected from all the eight directions. Also meteorological parameters should be monitored and reported
2. The air emissions occurring from the road traffic also to be considered during the air pollution modelling

3. Study the impact on the hydrology of the region by considering the local rainfall, and seasonal and ground water variations and also should be proposed mitigative / management measures
4. Health status of the surrounding population has to be assessed.
5. A detailed traffic study has to be done by incorporating the traffic density along the MC road and nearby major roads and tourism activities at Jadayupara
6. Assessment of green house gas production during the functioning of the project and transportation of the material and propose mitigative measures.
7. Water quality of the surface (wells, ponds, streams) and groundwater should be assessed.
8. The natural stream that receives the drainage from the quarry should be assessed at upstream and downstream regions. Also the sediment texture has to be studied
9. Assess the VOCs in the air
10. Assess the carbon sequestered in the above and below ground biomass and soil.
11. soil stability study should be done on the North and east side of the proposed quarry

4. SIA/KL/MIN/427939/2023, 2273/EC2/2023/SEIAA

Granite Building Stone Quarry of Sri.Syju Lekshman in 322/2-2-1, 322/1, 322/6, 323/3, 324/6, 324/9-2, 324/6-3, 324/5-2, 324/3-2, 324/3-3, 324/4 (Private Land), 325/1, 322/3, 323/2, 323/6, 323/7, 324/3 (Govt. Land) at Chadayamangalam Village, Kottarakkara Taluk, Kollam District, Kerala (Fresh Application)

Decision: The Committee examined the proposal and decided to recommend Standard ToR with the following studies:

1. Baseline air quality data should be collected from all the eight directions. Also meteorological parameters should be monitored and reported
2. The air emissions occurring from the road traffic also to be considered during the air pollution modelling
3. Study the impact on the hydrology of the region by considering the local rainfall, and seasonal and ground water variations and also should be proposed mitigative / management measures
4. Health status of the surrounding population has to be assessed.
5. Detailed traffic study has to be done by incorporating the traffic density along the MC road and nearby major roads and tourism activities at Jadayupara
6. Assessment of green house gas production during the functioning of the project and

transportation of the material and propose mitigative measures.

7. water quality of surface (wells, ponds, streams) and ground water should be assessed.
8. The natural stream which receives the drainage from the quarry should be assessed at upstream and down stream region. Also the sediment texture has to be studied
9. Assess the VOCs in the air
10. Assess the carbon sequestered in the above and below ground biomass and soil.
11. Soil stability study should be done on the North and east side of the proposed quarry

General

The Committee appreciated Dr. Mahesh Mohan who has won the Paristhithimithram Award for the Best Environmental Researcher- 2022.

During the presentation one of the RQPs made a complaint that there is no sitting facilities outside the hall, which was there earlier. It is important to provide basic facilities such as sitting facilities and drinking water as the Proponents and RQPs are invited by the SEIAA. Therefore, the SEIAA secretariat may look into the matter and take necessary action.

The meeting concluded at 6.00 pm.

It is decided to convene the 145th meeting of the SEAC on the 19th of June 2023 in online platform and 146th meeting from 5th to 7th July 2023

**Sd/
Suneel Pamidi, IFS
Secretary, SEAC**

**Sd/
Dr.Ajayakumar Varma
Chairman, SEAC**