

138.16 **Issues relating to consideration of Mining Proposals in ESA Villages in the state.**

Decision: The Committee decided to circulate the decision of the SEIAA among the members of the SEAC for a detailed discussion and adoption in the in the next meeting

138.17 **Environmental Clearance for mining projects within 10km from the Protected Areas (National Parks and Sanctuaries) - Applicability of NBWL Wildlife Clearance.**

Decision: The Committee decided to circulate the decision of the SEIAA among the members of the SEAC for a detailed discussion and adoption in the in the next meeting

PART 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/132461/2019 , 1572/EC1/2019/SEIAA

Proposed granite building stone quarry of M/s Crystal Granites over an extent of 4.4601 Hectares in 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,at Pallickal Village, Block No.-26 of Varkala Taluk, Thiruvananthapuram District, Kerala

Decision: The Committee examined the proposal and verified the documents submitted by the proponent and found them satisfactory. The total mineable reserve is 1050305 MT (246667 TPA) and mine life is 5 years. The nearest built structure is 61 m and the depth to water table is reported as 10-15m bgl. The distance to hazard zone is 23km. The sub-committee inspected the site on 20.06.2022. The NOC from Revenue department was received on 16.03.2022 with validity of one year. The Committee decided to advise the Proponent to renew the NOC as valid NOC is necessary to take a final decision on the proposal. **The Committee decided to invite the Proponent for presentation.**

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

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

Decision: The Committee examined the proposal and verified the documents submitted. The total mineable reserve is 2,20,600 MT and mine life is 5 years. The depth to water table is reported as 20 m below ground level and the nearest habitation is 305m. The Vazhani Wildlife Sanctuary is located at 5.6 km and the PP has submitted proof of application to NBWL for clearance. The area does not fall in any landslide hazard zone. The field inspection was conducted on 27.09.2022. The Committee discussed the field inspection report and observed that the proponent has not submitted the proof of stakeholder consultation for CER proposal. **The proponent is directed to submit the same.**

3. SIA/KL/MIN/189134/2020 , 1953/EC3/2022/SEIAA

Environmental Clearance for the building stone quarry at Re-Survey No. 10/1-2, 10/1-3,10/9,Block No.16 of Mookkannoor Village, Aluva Taluk, Ernakulam District, Kerala for an Area of 0.7694 Ha.

Decision: The Committee examined the proposal and verified the documents. The total Mineable reserve is 170193 MT (34,039 TPA) and Mine life is 5 years. The depth to water table is 13m bgl. The nearest house is at 270m. The filed inspection was conducted on 16.11.22. The Committee observed that the Proponent has submitted all the documents except willingness to constitute a monitoring committee under the chairmanship of the elected ward member, representative of the proposed mining project and representatives of the complainants, stating that the complainants are residing 300m from the area. Instead, the Project Proponent submitted the consent from the nearby families residing near the haulage road. **The Committee decided to invite the proponent for a presentation.**

4. SIA/KL/MIN/235350/2021, 2061/EC3/2022/SEIAA

Environmental Clearance for the Laterite Building Stone project at Re-Survey No.33/10 of Edakkattuvayal Village, Kanayannoor Taluk, Ernakulam District, Kerala State for an area of 0.2838 hectares.

Decision: The Committee examined the proposal. The mineable reserve is 51,390 MT and mine life is 2 years. The project was presented before the 131st meeting of SEAC. The maximum elevation is 36m above MSL. The committee verified the documents submitted by the proponent and found them satisfactory except the proof of consultation with stakeholders for CER proposal. The depth to water table is not found mentioned in the application. **The committee decided to invite the proponent for presentation.**

5. SIA/KL/MIN/239760/2021 , 2013/EC1/2022/SEIAA

Granite Building Stone Quarry Project of Sri. C.H. Sakkariya, President, MANNARKKAD TALUK KARINKAL QUARRY OPERATORS INDUSTRIAL COOPERATIVE SOCIETY LTD having an area of 0.9669 Ha in Survey no. 395/5 Thachanattukara-I Village, Mannarkkad Taluk, Palakkad District.

Decision: The Committee examined the proposal. The total mineable reserve is 711393 MT (25000 TPA) and mine life is 11 years. The nearest built structure is 84.9 m. The maximum elevation is 130m above MSL. The ultimate depth of mining is stated as 30m above MSL. The committee verified the documents submitted by the proponent and observed that the geo-tagged photographs of the site proposed for compensatory afforestation is not submitted. **The committee decided to invite the proponent for presentation.**

6. SIA/KL/MIN/239826/2021 , 2044/EC6/2022/SEIAA

Environmental Clearance for the Granite Building Stone quarry project of Sri.Jayarajan. A for an area of 0.9751 Ha in Sy.No.1169/119, 1169/124 inMelmuri Village, Ernad Taluk, Malappuram District

Decision: The Committee examined the proposal. The total mineable reserve is 643187.5 MT (86,000 TPA) and mine life is 5 years. The committee verified the documents submitted by the proponent and observed that the budget estimated for EMP is inadequate, so it is to be revised. The depth to water table is also not decipherable. **The committee decided to invite the proponent for presentation.**

7. SIA/KL/MIN/255487/2022 , 2010/EC1/2022/SEIAA

Granite Building Stone Quarry of Sri.K.Udayan over an extent of 0.99.17 Hectares in Sy.No. 163, 163/1 at Enadimangalam Village, Adoor Taluk, Pathanamthitta District, Kerala

Decision: The Committee examined the proposal, verified the documents and discussed the field inspection report. The total Mineable reserve is 2,60,337.5 MT (52,068 TPA) and Mine life is 5 years. The depth to water table is 12m bgl. The nearest built structure is at 90 m. The project was presented before the 136th meeting of SEAC. The field inspection was conducted on 27.09.2022. The committee observed that the species specified for compensatory afforestation is not indigenous. Based on discussions, the Committee decided to recommend EC for the life of mine of 5 years with the following specific conditions, in addition to general conditions:

1. Compensatory afforestation plan should be implemented from the 1st year itself with indigenous species and the geo-coordinates and geo-tagged photographs of the afforested site should be submitted in HYCR.
2. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.
3. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.
4. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
5. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented
6. 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).
7. The haulage road should be widened and developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.
8. Adequate sanitation, waste management and rest room facilities should be provided to the workers.

9. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office.
10. The Environment Management Cell (EMC) should include an Environmental expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.

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

Environmental Clearance for the building stone quarry of Shijo T Paul at Survey No. 797/1Apt, of Kalloorkkad Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an Area of 0.9235 Ha

Decision: The committee examined the proposal and verified the documents submitted by the proponent and found them satisfactory. The total mineable reserve is 2,22,823 MT (74,274 TPA) and mine life is 3 years. The **committee decided to invite the proponent for presentation.**

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

Environmental Clearance for the building stone quarry of SHIJO T PAUL at Re-Survey No. 120/5,Block No.12 of Kombanad Village, Kunnathunadu Taluk, Ernakulam District, Kerala for an Area of 1.8501 Ha.

Decision: The committee examined the proposal and verified the documents submitted by the proponent and found them satisfactory. The total mineable reserve is 6,22,303 MT (51,859 TPA) and mine life is 12 years. The highest elevation is 92 m and lowest elevation is 51m above MSL. The committee noted that the percentage of extraction is low (33.57) and the reason for the same is to be obtained. The Committee also observed the need for appropriate CER. The proponent submitted cluster certificate with 3 quarries, which were working as per cluster certificate dated 16.02.2018. Since these adjacent quarries are not closed and there is another proposal of the same proponent for 0.62 ha, there is a cluster condition. **Hence the proponent is directed to submit ToR for conducting EIA study.**

10. SIA/KL/MIN/259967/2022, 2025/EC1/2022/SEIAA

Environmental Clearance for Granite building stone quarry of Mr.Muralikumar K A, over an extent of 0.5130 Ha ResyNo-52117,15 in Erimayur -II Village, Alathur Taluk, Palakkad District, Kerala

Decision: The committee examined the proposal and verified the documents submitted by the proponent and found them satisfactory. The total mineable reserve is 77118 MT (15,500 TPA) and mine life is 5 years. The field inspection was conducted on 27.09.2022. The Chulanur Peafowl Sanctuary is at 13.10 Km. The hazard zone is at 6.22km. **The committee decided to invite the proponent for presentation.**

11. SIA/KL/MIN/262881/2022 , 1956/EC1/2022/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry, SRI SRI GRANITES in Block No:12, Re-Survey Nos: 664/2,664/19, 665/22, 665/13, 666/36, 666/34 in Kuthanur-I Village, Alathur Taluk, Palakkad District, Kerala

Decision: The committee examined the proposal and found that the field inspection was conducted on 03.11.2022. The presentation of the project was done in 133rd SEAC meeting. Mineable reserve is 3,81,500 MT (60,000 TPA) and life is 5 years. The depth to water table is 86m above MSL. The nearest built structure is at 85m. The committee verified the documents submitted by the proponent and decided to direct the proponent to submit the following additional documents:

1. Clarification on the road passing through the site.

12. SIA/KL/MIN/263015/2022 , 2024/EC1/2022/SEIAA

Environmental Clearance for Granite building stone quarry of C.H Sakkariya, President, Mannarkkad Taluk Karinkal Quarry Operators Industrial Cooperative Society Ltd, at Re Survey No. 70/10, 70/16, 242/15 of Pottassery-I Village, Mannarkkad Taluk, Palakkad District, Kerala

Decision: The committee examined the proposal and verified the documents submitted by the proponent. The total mineable reserve is 219693 MT (44,000 TPA) and mine life is 5 years. The Silent Valley National Park is at 8.0 Km. The hazard zone is at 1.04km. The field inspection was done on 28.09.22. **The Committee decided to invite the Propoent for presentation.**

13. SIA/KL/MIN/263676/2022 , 1982/EC1/2022/SEIAA

Granite (Building Stone) Quarry of Sri.G Rajeevan, Managing Partner, M/s Koodal Granites in Block No.30, Survey Nos: 404/3, 404/4, 404/5, 404/7, 404/7 - 1 of Koodal Village, Konni Taluk, Pathanamthitta District, Kerala

Decision: The Committee examined the proposal. The total mineable reserve is 9,94,635 MT (1,10,000 TPA) and mine life is 6 years. The committee verified the documents submitted by the proponent and found that soil conservation measures are not submitted and instead of that the PP has submitted site photographs. **The committee decided to invite the proponent for presentation**

14. SIA/KL/MIN/269205/2022 , 2065/EC3/2022/SEIAA

Environmental Clearance for the building stone quarry of SHIJO T PAUL at Re-Survey No.130/1,130/2, Block No.12 of Kombanad Village, Kunnathunad Taluk, Ernakulam District, Kerala for an Area of 0.6250 Ha

Decision: The Committee examined the proposal. The mineable reserve is 824380 MT which seems to be an exaggerated figure which needs to be clarified. The production plan is 80,785 TPA and mine life is 1 year. The CER revised is neither with need-based details nor supported by a beneficiary consultation letter. The highest elevation is 72m and lowest elevation is 27m above MSL.

The proponent submitted a cluster certificate with 3 quarries, which were working as per the cluster certificate dated 16.02.2018. Since these adjacent quarries are not closed and there is a proposal of the same proponent under consideration for 1.8501 Ha, there is a cluster condition. Therefore, the Proponent is directed to submit ToR for conducting EIA study.

15. SIA/KL/MIN/272893/2022 , 2087/EC3/2022/SEIAA

Building Stone Mine (Minor Mineral Quarry) project of Mr. M. G. BABU located at Survey Nos. 725/1, 725/2-2, 725/2-3, 725/2, 725/2, in Kalloorkad Village, Muvattupuzha Taluk, Ernakulam District, Kerala in an area of 0.9105 hectares.

Decision: The committee examined the proposal and verified the documents submitted by the proponent. The total mineable reserve is 1,38,603 MT (28,000 TPA) and mine life is 5 years. The highest elevation of the area is 165m MSL and lowest is 160m MSL. As per the survey map 3 buildings at a distance of 16.5m 26m and another own building in 15.2m. Therefore the distance criterion is not complied with. **The committee decided to invite the proponent for presentation.**

16. SIA/KL/MIN/273896/2022 , 2042/EC1/2022/SEIAA

Environment Clearance for the Granite Building Stone Quarry, of Shri R.Rahulan Pillai over an Extent of 0.77.14 ha in S.Y.No. 183/5(P), 182/2, Enadimangalam Village, Adoor Taluk, Pathanamthitta

Decision: The committee examined the proposal and verified the documents submitted by the proponent and found them satisfactory. The total mineable reserve is 162575 MT, production plan is 30889 TPA and mine life is 5 years. The depth to water table is reported as 13m bgl. The Elevation difference is 148-140m above MSL. The committee also found that as per the google map a house situated around 54m. **The committee decided to invite the proponent for presentation.**

17. SIA/KL/MIN/274473/2022 , 2075/EC1/2022/SEIAA

Environmental Clearance for the building stone quarry of Sri,Raphy John Managing Partner, Hilltop Aggregates at SurveyNo.381/6,381/59381/64,381/66, of Kanambra1 Village, Alathur Taluk, Palakkad District, Kerala for an Area of 2.3611 Ha

Decision: The Committee examined the proposal. The total mineable reserve is 1021145 MT (85095 TPA) and mine life is 12 years. The highest elevation is 104m and lowest elevation is 74 m above MSL. The committee verified the documents submitted by the proponent and found them satisfactory except EMP. Therefore EMP needs to be revised by excluding item such as road construction and including site-specific mitigation measures. The CER also need revision incorporating proof of stakeholder consultation. **The committee decided to invite the proponent for presentation.**

18. SIA/KL/MIN/275159/2022 , 2073/EC1/2022/SEIAA

Environment Clearance for mining permit of "M/s K L R Granites" over an extent of 3.8717 Ha at ReSy Block No.:20, Re-Sy No.: 47/1-9, Malayalappuzha Village, Konni Taluk, Pathanamthitta

Decision: The Committee examined the proposal. The total mineable reserve is 19,73,481.98 MT (3,49,920.23 TPA) and mine life is 7 years. The highest elevation in this area is 145m above MSL and the lowest elevation is 115m above MSL. The Periyar National Park is at 17.14 km. The committee verified the documents submitted by the proponent. The EMP need revision with adequate budget provision, particularly for non-recurring expenditure.

The committee decided to invite the proponent for presentation.

19. SIA/KL/MIN/36040/2019 , 1374/EC2/2019/SEIAA

Environment Clearance for mining permit of "Granite Building Stone Quarry of M/s. Pala Metals and Sands Pvt Ltd, over an extent of 9.6560 Ha.(23.8599Acres) Re – Survey Block No.34, Re -Sy.No. 126/1, 128/1, 128/1- 1, 128/2, 128/3,128/3-1, 128/3-2, 128/4, 129/4, 126/2, 126/5, 127/2, 132/8,129/1, 129/1-1, 129/2, & 129/3in Bharanganam Village, Meenachil Taluk, Kottayam District, Kerala

Decision: The committee examined the proposal and verified the documents submitted by the proponent and found them satisfactory. The total mineable reserve is 67,46,602 MT (5,00,150.00 TPA) and mine life is 15 years. The project was presented before the 135th meeting of SEAC. The Highest elevation is 250 m Above MSL Lowest elevation is 110 m Above MSL. **The committee decided to entrust Dr. Mahesh Mohan, Smt. Beena Govindan & Dr. R. Ajayakumar Varma for field inspection and report.**

20. SIA/KL/MIN/40868/2019 , 1447/EC2/2019/SEIAA

Environmental Clearance for the Granite Building Stone Quarry in Survey No. 202 (P) in Killimangalam Village, Thalappilly Taluk, Thrissur District for an area of 0.3840 Hectares by Sri.K.M.Salim

Decision: The Committee examined the proposal. The total mineable reserve is 19,798 MT (10,100 TPA) and mine life is 2 years. . The highest elevation of the proposed area is 98 m RL and lowest is 84 m RL. The committee verified the documents submitted by the

proponent and found them satisfactory. The KML file uploaded by the proponent is not able to be downloaded and therefore the PP is directed to submit KML file. **The committee decided to invite the proponent for presentation.**

21. SIA/KL/MIN/45324/2019 , 1557/EC3/2019/SEIAA

Granite Building stone quarry of “Shri. Varghese Chakku At Re- Survey No:284,Block No.22 in Malayattoor Village, Aluva Taluk, Ernakulam District, Kerala State.

Decision: The Committee examined the proposal. The total Mineable reserve is 152410 MT (50,803 TPA) and Mine life is 3 years. The depth to water table is 13m BGL and the nearest built structure is at 150 m. The project was presented before the 113th meeting of SEAC. The field inspection conducted on 16.12.2022. The highest elevation is 131 m and lowest elevation is 84m above MSL. The site is located within moderate hazard zone. The committee verified the documents submitted by the proponent and found that the CER is not satisfactory and need revision incorporating monitorable physical targets and proof of stakeholder consultation. The site proposed for compensatory afforestation plan is a rubber plantation and therefore, alternate site, if any, should be proposed.

22. SIA/KL/MIN/69596/2021 , 1872/EC1/2021/SEIAA

Environment Clearance (EC) for the Granite Building Stone Quarry of N. Ramachandran in Anavoor Village, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala

Decision: The Committee examined the proposal, verified the documents, and discussed the field inspection report conducted on 8.10.2022. The total mineable reserve is 5,05,845 MT (50,875 TPA) and mine life is 10 years. The depth to the watertable is 35-40m above MSL. The elevation of the site varies from 80m to 125m above MSL and the ultimate mine depth is 75m above MSL. Based on discussions, the Committee decided to recommend EC for a mine life of 10 years with the following specific conditions, in addition to general conditions.

1. Compensatory afforestation should be done from the 1st year itself and the coordinates and geo-tagged photographs of the site shall be submitted in HYCR.

2. 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.
3. Garland drain should be enlarged to contain the entire overland flow of the adjacent sloppy region of the quarry.
4. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.
5. Monitoring of drainage water should be carried out at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.
6. The overburden dumping site should be protected with gabion walls to prevent erosion.
7. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
8. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
9. The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.
10. Adequate sanitation, waste management, and rest room facilities should be provided to the workers.
11. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office.
12. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.
13. Buffer zones should be demarcated and planted with local plants, climbers and herbs as mentioned in the biodiversity assessment report.
14. The proposed road to the quarry is narrow. So, fish belly should be provided at every 100m. .

PART 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/131683/2019 , 1813/EC3/2020/SEIAA

Environmental clearance for Granite Building Stone Quarry of Mr. N.A Thomas for an extent of 0.9668Ha, Survey no 372/1A/3/8,372/1A/4/9 & 372/1A/4/9 in Kottappady Village, Kothamangalam Taluk, Ernakulam - District, Kerala (Additional Documents Received)

Decision: The committee examined the proposal and verified the documents submitted by the proponent and found them satisfactory. The mineable reserve is 4,02,835MT and the life of mine is 12 years. The nearest built structure is reported at 97m and the depth to water table is 35m above MSL. Based on discussions, the Committee decided to recommend EC for the life of mine of 12 years. **The committee decided to entrust Dr. K N Krishna kumar and Dr. Mahesh Mohan for field inspection and report.**

2. SIA/KL/MIN/133062/2019 , 1576/EC2/2019/SEIAA

Proposed Granite Building Stone Quarry of M/s Valad Granites at Survey No. 253/62, 253/356, 253/349 of Valad Village, Manathavadi Taluk, Wayanad District, and Kerala for an area of 2.9249 hectares (Additional Documents Received)

Decision: The Committee examined the proposal, verified the documents, and discussed the field inspection report conducted on 14.05.2022. The total mineable reserve is 13,16,688 MT (109724 TPA) and mine life is 12 years. The depth to watertable is 8m bgl. The elevation of the site varies from 750m to 815m above MSL. The ultimate depth of mining proposed is 730m above MSL. Based on discussions, the Committee decided to recommend EC for a mine life of 12 years with the following specific conditions, in addition to general conditions.

1. Compensatory afforestation should be done from the 1st year itself and the coordinates and geo-tagged photographs of the site shall be submitted in HYCR.
2. 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.

3. Garland drain should be enlarged to contain the entire overland flow of the adjacent sloppy region of the quarry.
4. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.
5. Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.
6. The overburden dumping site should be protected with gabion walls.
7. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
8. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
9. The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.
10. Adequate sanitation, waste management, and rest room facilities should be provided to the workers.
11. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office.
12. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.
13. Buffer zones should be demarcated and planted with local plants, climbers and herbs as mentioned in the biodiversity assessment report.

3. SIA/KL/MIN/136899/2020 , 1830/EC4/2020/SEIAA

Environmental Clearance for the proposed Granite Building Stone Quarry of M/s Surya Crusher & Hollow at Resurvey No.9/1A,335 in Kolavallur Village, Thalassery Taluk, Kannur District, Kerala for an extent of 2.0233 Ha. (Additional Documents Received)

Decision: The Committee examined the proposal, verified the documents, and discussed the field inspection report conducted on 14.05.2022. The minable reserve is 8,86,675 MT, the life of mine is 10 years and the production plan is 88,668 TPA. The nearest built structure is at a distance of 81m. Based on discussions, the Committee decided to recommend EC for a mine life of 10 years with the following specific conditions, in addition to general conditions.

1. Due to mining there will be a quarry pit developed with a depth around 25m. Therefore adequate protective measures should be taken as a precaution to accidents.
2. Compensatory afforestation should be done from the 1st year itself and the coordinates and geo-tagged photographs of the site shall be submitted in HYCR.
3. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
4. Garland drain should be enlarged to contain the entire overland flow of the adjacent slopy region of the quarry.
5. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.
6. Monitoring of drainage water should be carried out 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.
7. The overburden dumping site should be protected with gabion walls to prevent erosion.
8. 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).
9. The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.
10. Adequate sanitation, waste management, and rest room facilities should be provided to the workers.
11. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office.

12. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.
13. Buffer zones should be demarcated and planted with local plants, climbers and herbs as mentioned in the biodiversity assessment report.
14. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.

4. SIA/KL/MIN/146306/2020 , 1676/EC2/2020/SEIAA

Environmental Clearance for the Granite Building Stone Quarry project in Re-Sy. Nos. 109/3, 121/2 part of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala for an extent of 0.9993 Ha of land by Sri. A. M. Chackochan, Managing Partner, Aishwarya Granites (Additional Documents Received)

Decision: The Committee examined the proposal, verified the documents, and discussed the field inspection report conducted on 06.09.2022. The proposed Life of mine is 5 years for extracting 351330 MT of granite building stone. The depth to water table is 32m above MSL. Based on discussions, the Committee decided to recommend EC for a mine life of 5 years with the following specific conditions, in addition to general conditions.

1. Development of green belt should be initiated prior to the commencement of mining operation.
2. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.
3. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
4. 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 compliance report.
5. Gabion wall of should be provided at the overburden dumping site.
6. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.

7. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00am) and afternoon (3.30pm to 5 pm).
8. The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling.
9. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
10. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office
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. The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.

5. SIA/KL/MIN/148123/2020 , 1658/EC6/2020/SEIAA

Environmental clearance for Granite building stone quarry of Mr. Kunhalan. K, for an extent of 0.8165 Ha Re. Sy. Nos. 211/1, 211/3-2 (Block No. 59) of Pulpatta Village, Eranad Taluk, Malappuram District, Kerala (Additional Documents Received)

Decision: The Committee examined the proposal, verified the documents, and discussed the field inspection report conducted on 03.10.2022. The minable reserve is 1,71,470 MT, the life of mine is 5 years and the production plan is 40,757.42 TPA. Based on discussions, the Committee decided to recommend EC for a mine life of 5 years with the following specific conditions, in addition to general conditions.

1. Compensatory afforestation should be done from the 1st year itself and the coordinates and geo-tagged photographs of the site shall be submitted in HYCR.
2. 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.
3. Garland drain should be enlarged to contain the entire overland flow of the adjacent slopy region of the quarry.

4. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.
5. Monitoring of drainage water should be carried out 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.
6. The overburden dumping site should be protected with gabion walls to prevent erosion.
7. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
8. The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.
9. Adequate sanitation, waste management, and rest room facilities should be provided to the workers.
10. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office.
11. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.
12. Buffer zones should be demarcated and planted with local plants, climbers and herbs as mentioned in the biodiversity assessment report.
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.

6. SIA/KL/MIN/148486/2020, 1640/EC3/2020/SEIAA

Environmental clearance for Granite building stone quarry of Mr.P.V Paul, for an extent of 0.9905 Ha ReSy No:263/1 of Thuravoor- Village, Aluva-Taluk, Ernakulam district, Kerala (Additional Documents Received)

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

7. SIA/KL/MIN/151053/2020 , 1817/EC6/2020/SEIAA

Granite Building Stone Quarry Of Mr.Kuttiamu Haji In Survey No:174,Cherukavu Village,Kondotty Taluk, Malappuram District, Kerala

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

8. SIA/KL/MIN/163826/2020 , 1837/EC6/2020/SEIAA

Granite Building stone over an extent of 1.3230Ha in Survey Nos. 51,52-1in Pullippadam Village, Nilambur Taluk, Malappuram District, Kerala of Shaukathali AK

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

9. SIA/KL/MIN/169289/2020 , 1843/EC6/2020/SEIAA

Granite Building Stone Quarry Of Mr.Sudheermon.P.P In Survey No:217/4,In Pulpatta Village,Eranad Taluk,Malappuram District,Kerala State

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

10. SIA/KL/MIN/173485/2020 , 1834/EC6/2020/SEIAA

Environmental Clearance for the Granite Building Stone Quarry of Mr. Sameer P. at Re. Sy. No. 237/2, 237/1, 237/1-2 of Nediyruppu Village, Kondotty Taluk, Malappuram District of Kerala for an extent of 2.7047 Ha

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

11. SIA/KL/MIN/176680/2020 , 1877/EC3/2021/SEIAA

Environmental Clearance for the extraction of Granite Building Stone of Mr. Siraj Hussain at Re-Sy:-281/2-3 of Mundakkayam Village, Kanjirappally Taluk, Kottayam - (Transferring of file from TOR to EC, Granite Building Stone Quarry of Siraj Hussain -111th meeting of SEAC)-(Additional Documents Received)

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

12. SIA/KL/MIN/195129/2021 , 1893/EC4/2021/SEIAA

Environmental Clearance for the proposed Granite Building Stone Project of M/S Puthalam Constructions Pvt. Ltd. in, Re-Survey Nos. 21/149, 21/124,21/145, 21/148, 21/147, 21/156, 21/144 (Old Sy. No. 21/1A1), Kolayad Village, Thalassery Taluk, 136 45 Kannur District, Kerala for an area of 2.0235 hectares.

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

13. SIA/KL/MIN/204626/2021 , 1351/EC2/2019/SEIAA

Environmental Clearance for the Building Stone quarry situated at Situated over an area of 3.9800 Ha in Sy. No. 253/14, 266/1 & 266/2 of Cherukave village Kondaty Taluk, Malappuram district of Kerala

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

14. SIA/KL/MIN/204850/2021 , 1352/EC2/2019/SEIAA

Building Stone quarry situated at Situated at Sy. No. 253/14 & 266/2 of Cherukavu Village, Kondaty Taluk, Malappuram district of Kerala

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

15. SIA/KL/MIN/221515/2021 , 1922/EC1/2021/SEIAA

Granite Building Stone Quarry of M/s Chand V Granites at Re. Sy. No. 305/1,2,3,4,5,6, 305/6-2, 305/6- 3,306/2, 309/3 in Vadakarapathy Village, Chittur Taluk, Palakkad District, Kerala.(Additional Documents Received)

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

16. SIA/KL/MIN/222222/2021 , 1920/EC4/SEIAA/2021

Environmental Clearance for the Proposed Granite Building Stone Quarry of Mr. Haridasan at Re Survey No. 3/1237, 3/744 of Engapuzha Village, Thamarassery Taluk, Kozhikode District, and Kerala for an area of 1.3050 hectares.

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

17. SIA/KL/MIN/222256/2021 , 1919/EC4/SEIAA/2021

Environmental Clearance for the Proposed Granite Building Stone Quarry of Mr. Haridasan at Re Survey No. 3/1047, 3/1419, 3/1416, 3/1418 of Engapuzha Village, Thamarassery Taluk, Kozhikode District, and Kerala for an area of 3.5823 hectares.

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

18. SIA/KL/MIN/276958/2022 , 2049/EC3/2022/SEIAA

Environmental Clearance for Granite Building Stone Quarry of M/s. Jesus Granites Pvt. Ltd. over an area of 1.4781 Hectare, situated in Survey No. 911/1- 5, 916/3, 916/3-2, 916/3-3, 916/3-4 of Kallorkad Village, Muvattupzha Taluk of Ernakulam District and Kerala (Clarification obtained -121st SEIAA)

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

19. SIA/KL/MIN/277815/2022 , 2050/EC3/2022/SEIAA

Environmental Clearance for Granite Building Stone Quarry of M/s. Jesus Granites Pvt. Ltd. over an area of 1.4962 Hectare, situated in Survey No. 916/1- 2, 916/1-2-2, 916/3-4, 917/1, 1122/1 of Kallorkad Village, Muvattupzha Taluk of Ernakulam District and Kerala (Clarification obtained -121st SEIAA)

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

20. SIA/KL/MIN/412002/2022 , 2185/EC1/2023/SEIAA

Granite (Building Stone) Quarry of Sri.Sukumaran.K, Ottappalam karinkal Quarry Operators , Vyavasaya Sahakarana Sangam Limited No:SIND(P), in Block No: 34 Re-Survey Nos: 6/8, 27/3, 27/4 of Vallapuzha Village, Pattambi Taluk, Palakkad District, Kerala (Fresh File)

Decision: The committee verified the proposal and found that the mineable reserve is 69390 MT (25,000 MTA) for mine of 3 years. The Peechi Vazhani Wildlife Sanctuary is at 20.30 Km. Hence the committee decided to invite the proponent for presentation.

21. SIA/KL/MIN/78419/2019 , 1516/EC3/2019/SEIAA

Environmental Clearance for the Granite Building Stone quarry project of Sri.MUHAMMEDALI.P in Survey No.Block No.56, Sy.No.382/1-2, 382/2, 383/1, 383/1-1 in Morayur Village, Ernad Taluk, Malappuram (Evaluation report received)

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

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

1. SIA/KL/MIN/276929/2022 , 540/A1/2019/SEIAA

**Laterite Building Stone Quarry of Muraleedharan L at survey No. 467/8-2,
Naduvathoor Village, Kottarakara Taluk, Kollam (Refer back from 122nd
SEIAA)**

Decision: The committee noted the decision of the SEIAA, and verified the proposal, and found that the Proponent submitted application in Form-6 on 07-06-2022 for the extension of the validity of existing EC. Due to oversight, fresh EC for one year was recommended in 135th SEAC meeting The committee noted that EC was issued on 03-05-2019 with a validity of 6 months, which expired on 02-10-2019. As per the SO No. 2944(E) dated 14th September, 2016, no condonation for delay can be granted for any application for extension filed after 90 days of the validity period of EC. In the circumstances, the Committee decided to refer the matter to SEIAA for a decision in this regard.

PART 3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/128666/2019 , 1958/EC1/2022/SEIAA

**Granite Building stone quarry of Shri. Martin Varghese, with an area of 0.996
Ha in Re- Survey No: 96/5, 96/6 Block No.2 in Vilapilsala Village, Kattakada
Taluk, Thiruvananthapuram District (Field Inspection Report Received)**

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

2. SIA/KL/MIN/134824/2020 , 1729/EC2/2020/SEIAA

**Environmental Clearance for the Proposed Granite Building Stone Quarry of
Mr.Safarulla .k at Re-Sy. No- 320/1,321/2 of Vorkady Village, Manjeshwaram
Taluk, Kasaragod District of Kerala for an extent of 0.1920 Ha. (Refer back
from 121st SEIAA)**

Decision: The 121st Authority noted the recommendation of 134th SEAC meeting and referred back the proposal to SEAC to get a clarification on how a scientific mining is possible after leaving the buffer zone in such a small area of just 0.1920 ha. The committee examined the proposal and observed that as per the Mining plan, the proposed area is an existing quarry pit and the proposal is for extracting materials from the side wall portion with provision of 3 benches. After extracting materials by providing 3 benches, the area left in the pit will be 164m² and there is provision for entry and exit of vehicles. In the circumstance, there is no operational difficulties for extraction and hence the Committee decided to recommend the case for EC as detailed in the earlier decision. .

3. SIA/KL/MIN/135339/2020 , 2027/EC3/2022/SEIAA

Ordinary Earth of Mr. Binu K. Alias, Kizhakkethenattumoolayil House, Vadayambady P.O , At Re-Sy.No:132/5,132/6,132/14,132/22, Block No.49 in Aikarand South Village, Kunnathunad Taluk, Ernakulam District, Kerala State - (Field Inspection Report received)

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

4. SIA/KL/MIN/137919/2020 , 2059/EC3/2022/SEIAA

Granite Building Stone Quarry of Shri. Baiju Joseph” over an extent of 0.9307 Ha. (2.2997 Acres) at Sy Nos. 463/5-4, 468/3-1 & 468/4-1, Thirumarady Village, Muvattupuzha Taluk, Ernakulam District, Kerala -(Presentation)

Decision: As invited, the Proponent, Mr. Baiju Joseph, and the authorized person Mr. Thambu Cheriyan, RQP, & Principal Mining Consultant, Global Environment & Mining Services with authorization letter from the RQP were present. The RQP made the presentation. The committee heard the presentation and observed that the mineable reserves is 2,54,200.00 MT and Average Production from this quarry is 49,640.00 Tonnes/Annum. The life of mine is 6 years. The high and medium hazard zone is at 19.42km & 10.98km. The highest and lowest elevation are 90m and 70m. The Nedumala reserve forest is at 10.2km and Thattekad Bird sanctuary is at 27.24km from the proposed area. The ultimate mine depth is 30m bgl and the depth to water table is 3m bgl. Based on discussions, the committee decided to direct the proponent to submit the following additional documents:

1. Revised CER proposal incorporating monitorable physical targets and proof of stakeholder consultation.
2. Geo Coordinates and geo-tagged photographs of the site proposed for compensatory afforestation area.
3. Management plan for the harvested water.

5. SIA/KL/MIN/149209/2020 , 1700/EC4/2020/SEIAA

Environmental Clearance for the building stone quarry of Sri. M. P.Lalu for an Area of 1.4336 Ha at Block No. 37 Re-Survey No.74/1Dpt, 74/608pt, of Kuttur Village, Payyannur Taluk, Kannur, Kerala. (Refer back from 122nd SEIAA)

Decision: The Committee noted the decision of the Authority on the proposal in its 122nd meeting after perusing the recommendation of the 135th meeting of SEAC and the Judgment of the Hon^{ble} National Green Tribunal in Original Application No.75 of 2021, directing the Director of Mining and Geology, State of Kerala to strictly adhere to the recommendations made by the Joint Committee regarding issuance of further license or lease for doing mining activity in that area, as it was observed by the Joint Committee that no further mining lease can be granted as the resources have been exhausted in that area.

The Committee also noted that the Authority considered the complaint of Mr. Anoop, Kozhikkode requesting for enforcing the judgment of the Hon^{ble} National Green Tribunal in Original Application No.75 of 2021, against the violation of EC conditions by M/s. RDS Project Limited and intimating that during the appraisal of adjacent projects, the present circumstances and directions of Hon^{ble} Courts shall be taken into consideration before final recommendation. Since this project is located adjacent to the site implied in the Hon. NGT direction, the Authority decided to seek a clarification from the Department of Mining & Geology that in the light of the NGT Order in OA No.75 of 2021, whether SEIAA can proceed with the Mining Plan approved in 2017 and also decided to refer back the proposal to SEAC to give a definite recommendation after ascertaining whether the Mining Plan approved in 2017 can be considered as a valid document for the issuance of EC, in the light of the Joint Committee Report and the NGT Order. **The Committee perused the said Joint Committee Report, examined the recommendation of 135th SEAC and discussed the matter in detail. The Committee observed that the Joint**

committee report quoted in the judgment of Honble NGT as “The Director of Mining and Geology, State of Kerala is directed to strictly adhere to the recommendations made by the Joint Committee regarding issuance of further license or lease for doing mining activity in that area, as it was observed by the Joint Committee that no further mining lease can be granted as the resources have been exhausted in that area” is pertaining only to the mine area owned & operated by M/s RDS. The area involved in the present proposal is an unmined area located about 50m west of the mined out quarry of M/s. RDS under the verdict of Hon NGT and no mining was noticed in the proposed area during the site visit. The Committee also ascertain that the Mining Plan based on which the recommendation of the 135th SEAC on the subject matter was taken is approved in 2019 (not in 2017 as stated by SEIAA in the minutes of its 122nd meeting). In the circumstance, the Committee decided to adhere to the earlier decision and decided to recommend EC to the project with specific conditions recommended earlier.

6. SIA/KL/MIN/175300/2020 , 1987/EC3/2022/SEIAA

Building Stone Minor Mineral Mining (Quarry) project of M/s Rockfield Estates Pvt. Ltd. at Block No. 48 in Re-Survey No. 400/1, 400/2, 401/5-2, 406/5 of Chengalam (E) Village, Kottayam Taluk, Kottayam District, Kerala in an area of 0.8736 hectares.[Legal opinion not received] (Refer back from 122nd SEIAA)

Decision: The Committee noted the decision of the 122nd meeting of the Authority on the subject matter. The Committee also noted the observation of the Authority that (i) there is a building within 50m from BP1 as per the Google Map, (ii) an abandoned old quarry with huge quarry pit filled with water which shares the boundary of the proposed project owned by M/s Palathara Constructions Ltd., (iii) the corresponding address of both the projects remains the same, even though the names of the Project Proponents are different and (iv) the mining in the abandoned quarry was not done scientifically and is abandoned without implementing mine closure plan. The Committee also noted the concern of the Authority that there is large abandoned quarry pit in close proximity to the proposed quarry, the issuance of EC for the project in the same area will be dangerous to life and property. Authority also noted that there is an O.A. No. 56/2022 against the Project Proponent and

M/s Palathara Constructions Pvt. Ltd, which seems to be pending with Hon“ble NGT (SZ). Hence Authority referred back the proposal to SEAC to verify and report the violations done by M/s. Palathara Construction Pvt. Ltd. The Committee examined the matter in detail and **decided to entrust Dr. K N Krishnakumar & Dr. Mahesh Mohan for field inspection and report with special consideration of the apprehensions pointed out by the Authority.**

7. SIA/KL/MIN/179645/2020 , 1908/EC3/2021/SEIAA

Granite Building Stone Quarry of Smt. Sneha Jose” over an extent of 3.0876 Ha. at Re-Survey Block No: 46, Re-Sy. Nos. 132, 134/1, 134/2, 134/2-2, Kondoor Village, Meenachil Taluk, Kottayam District, Kerala - (Presentation)

Decision: As invited, Mrs. Sneha Jose, the Proponent and Mr. Thambu Cheriyan, RQP & Principal Mining Consultant, Global Environment & Mining Services with authorization letter from the RQP were present. The RQP made the presentation. The committee heard the presentation and observed that Life of mine is 7 years. The mineable reserve is 8,12,950MT and the average annual production is 1,45,151.93MT. The ultimate depth of mine is 15m above MSL and depth to watertable is 16.39m above MSL. The highest and lowest elevations are 70 & 50m respectively. No landslide hazard zone is found near the proposed area. **Based on discussions, the committee decided to direct the proponent to submit the following additional documents:**

1. Revised EMP with site-specific mitigation measures for the entire life of mine.
2. Revised CER based on need assessment along with proof of stakeholder consultation and adequate fund for maintenance.
3. Detailed Drainage plan
4. Measures for mitigating disasters, if any, due to spillage or breach of harvested water in the mine pit with thick water column of around 30m.
5. The suggested site for compensatory afforestation is not found feasible. Hence submit new site for compensatory afforestation along with geo-coordinates of the site and geo-tagged photographs of the proposed site.
6. Recently certified legible survey map from the Village Office showing the distance to all the built structures within 200m from the project boundary.

8. SIA/KL/MIN/209954/2021 , 1951/EC1/2022/SEIAA

Environmental Clearance for the building stone quarry of SUKUMARAN Kat Survey No. 364 of Nagalassery Village, Pattambi Taluk, Palakkad District, Kerala for an Area of 0.4696 Ha.(Refer back from 122nd SEIAA)

Decision: The committee noted the decision of SEIAA and **decided to invite the proponent for presentation.**

9. SIA/KL/MIN/239186/2021 , 2056/EC1/2022/SEIAA

Granite Building Stone Quarry of Mr. Adesh Kumar C.S. at Survey No. 208/1-62,208-1-28 in Alanallur III Village, Mannarkkad Taluk, Palakkad District, Kerala for an area of 0.9913 hectares. (Presentation)

Decision: As invited, the Proponent, Mr. Adeshkumar, and RQP, Dr. Nazar Ahmmed were present. The RQP made the presentation. The committee heard the presentation and observed that the mineable reserve is 294080 MT for mine life of 5 years. The Average annual production is 58816MTA. The moderate hazard zone is at 2.15km and high hazard zone is at 2.8km from the proposed site. The Silent Valley National Park situated at 2.9km and the PP submitted proof of application to NBWL. The depth to water table is 12m bgl and the ultimate mine depth is 105m above MSL. **The committee decided to entrust Dr. R. Ajayakumar Varma & Sri. S Sheik Hyder Hussain for field inspection and report.**

10. SIA/KL/MIN/268812/2022 , 2101/EC1/2022/SEIAA

Granite Building Stone quarry project of Sri. Sukumaran, President of Ottappalam Taluk Karinkal Quarry Operators Industrial Co-Operative Society Ltd in an extent of 0.3332 Hectares in Re. Survey No. 495 of Ananganadi Village of Ottapalam Taluk of Palakkad District (Presentation)

Decision: As invited, the Proponent, Mr. Sukumaran, President of Ottappalam Taluk Karinkal Quarry Operators Industrial Co-Operative Society Ltd, and RQP Mr. V K Roy were present. The RQP made the presentation. The committee heard the presentation and observed that the total mineable reserve is 19563 MT and first and second year production is 10,000MT & 9564MT. The highest and lowest elevations are 150m and 125m respectively. The depth to watertable is 8m below the ground level. The required water will be obtained from abandoned pit and open well. The committee decided to direct the proponent to submit the following additional documents:

1. Explanation for the possibility of mining the hill ridge and impact on microclimate.
2. Revised project cost for mining in small area considering the environmental & social safeguards is significantly higher than the proposed project cost.
3. Revised EMP with site-specific mitigation measures along with budgetary provision for the entire period of life of mine.
4. Revised CER based on need based monitorable physical targets and proof of stakeholder consultation as per norms.

11. SIA/KL/MIN/269091/2022 , 1975/EC4/2022/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry in favour of Mr.Prabakar General Manager, M/s Megha Engineering &Infrastructure Ltd which is situated at Re Survey number 74/772, 74/151,74/154,74/152, 74/1D of Kuttur Village, Payyannur Taluk, Kannur District, Kerala for an area of 2.1854 hectares (Refer back from 122nd SEIAA)

Decision: The Committee noted the minutes of the 122nd meeting of SEIAA which referred to (i) legal opinion received from the Legal Officer, SEIAA, (ii) decision of SEAC in its 132nd meeting recommending EC for a period of 5 years and (iii) complaint received from Mr. Anoop, Kozhikkode requesting for enforcing the judgment of the Hon'ble National Green Tribunal in original Application No.75 of 2021, against the violation of EC conditions by M/s. RDS Project Limited and during the appraisal of adjacent projects. The Committee also noted the observations of the Authority that the present circumstances and directions of Hon'ble Courts shall be taken into consideration before final recommendation.

The Committee considered the direction of the Authority to reconsider the decision in the light of the Order of the NGT in OA No.75 of 2022 along with the legal opinion received from the Legal Officer, SEIAA and also based on verification whether the boundaries of M/s. RDS Project Limited overlaps the boundary of M/s Megha Engineering & Infrastructures Ltd. and give a recommendation before the next SEIAA meeting.

The Committee perused the said Joint Committee Report, examined the recommendation of 132nd SEAC and discussed the matter in detail. The Committee observed that the Joint committee report quoted in the judgment of Honble NGT as

“The Director of Mining and Geology, State of Kerala is directed to strictly adhere to the recommendations made by the Joint Committee regarding issuance of further license or lease for doing mining activity in that area, as it was observed by the Joint Committee that no further mining lease can be granted as the resources have been exhausted in that area” is pertaining only to the mine area owned & operated by M/s RDS. The area involved in the present proposal is an unmined area located on the northern side adjacent to the mined out quarry of M/s. RDS under the verdict of Hon NGT. No mining was noticed in the proposed area during the site visit. The Committee also examined the proposal, field inspection report and briefing from the SEAC sub committee who conducted the field inspection and found that the boundary is not overlapping. In the circumstance, the Committee decided to recommend EC to the project with the following specific conditions in addition to general conditions.

1. 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.
2. 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 compliance report.
3. Green belt development in the buffer zone should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years
4. Compensatory afforestation should be done with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
5. Gabion wall of appropriate height should be provided at the overburden dumping site.
6. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
7. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00am) and afternoon (3.30pm to 5 pm).
8. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
9. The haulage road should be strengthened and maintained dust-free and with avenue

trees of indigenous species.

10. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
11. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office.
12. The Environment Management Cell (EMC) should include an Environmental expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.

12. SIA/KL/MIN/271891/2022 , 2687/A2/2019/SEIAA

Ordinary Earth Removal project over an area of 0.4947 Ha in survey no.473/1,473/1-1 of Velloor Village , Vaikom Taluk, Kottayam District (Field Inspection Report Received)

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

13. SIA/KL/MIN/275123/2022 , 2037/EC1/2022/SEIAA

Granite (Building Stone) Quarry of Sri.Arun Varghese, Managing Director,Kottakkal Granite Industries Pvt Ltd in Block No. 18, Re-Survey Nos. 177/1pt(Govt. land) 178/2, 178/11 & 178/17 in Anad Village, Nedumangad Taluk, Thiruvananthapuram District.(Field Inspection Report Received)

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

14. SIA/KL/MIN/405925/2022 , 1527/EC1/2019/SEIAA

Granite Building Stone Quarrying located in Re-Sy. Block no. 37, Re-Sy. Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1, Karimannur Village, Thodupuzha Taluk, Idukki District, Kerala State over an extent of 4.9003 Ha.-(Refer back from 122nd SEIAA)

Decision: The Committee examined the decision of the 135th SEAC meeting on the subject matter that is referred back by the 122nd meeting of the Authority with direction for hearing the complainant and the Project Proponent and recommend accordingly after hearing both the sides in the background of the WP(C) No. 36171 of 2022 filed by Sri. Vincent K.

George before the Hon“ble High Court of Kerala with a prayer to give an opportunity of being heard. **Accordingly, the Committee decided to invite the proponent and complainant for hearing in the subsequent meeting.**

15. SIA/KL/MIN/408621/2022 , 1748/EC1/2020/SEIAA

Granite (Building Stone) Quarry M/s SAROJ REALTORS AND BUILDERS in Block No: 25 Re-Survey Nos. 191/1-3, 192/1-4, 192/1-3, 192/2, 193/20, 193/20- 1, 180/4, 180/3- 1, 180/3-2 in Perumkadavila Village, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala (Presentation)

Decision: As invited, the Proponent, Mrs. M R Jayasree, Managing Partner, M/S Saroj Realtor and Builders, and Mr. V K Roy, RQP were present. The RQP made the presentation. The committee heard the presentation and noted that the mineable reserve is 6,05,235 MT and targeted production is 60,000 MTA. The project area is 1.8985 Ha and project cost is Rs. 1.50 crore. The proposed life of mine is 10 years. The depth to watertable is 10m below the ground level (78m above MSL). The highest and lowest elevation is 117m to 75m respectively. The project site does not fall in any landslide hazard zone. The nearest house is reported beyond 200m and a shed is reported at 100m from the project boundary. As per the letter from DFO dated 01.06.2019 the Neyyar Wildlife sanctuary situated at about 10km from the proposed area. Based on discussions, the committee decided to direct the proponent to submit the following additional documents:

1. Revised EMP incorporating adequate fund for the entire life of mine.
2. Revised CER with the consent from beneficiaries of house renovation and Geo-tagged photographs to prove that the present status of the houses proposed to be renovated.

16. SIA/KL/MIN/50013/2019 , 1318/EC2/2019/SEIAA

Environmental Clearance for the Granite Building Stone Quarry Project of Sri.Haridasan for an area of 7.7085 Ha in Sy.No. 488, Vettathur Village, Perinthalmanna Taluk, Malappuram (Presentation)

Decision: The Committee noted the minutes of the 119th meeting of the SEIAA regarding the rejection recommendation of the proposal by the 132nd SEAC meeting. The proponent

vide email dated 30.09.2022 submitted a request letter for re-consideration of application for EC. The proponent also filed WP(C) No.32498 of 2022 before the Hon'ble High Court with a prayer to give an opportunity for hearing and also to stay the Exbt P7 i.e., the Minutes of 132nd SEAC meeting. So, Authority decided to refer the case back to SEAC to give an opportunity to the Project Proponent for presenting his case before SEAC with all the supporting documents. As per the direction of SEIAA, the committee heard the proponent along with RQP, Mr. Mahesh S. The RQP submitted that as per the stability study the area is stable and the landslide prone area is more than 1km away from the proposed site. It is also submitted that the thickness of OB is 1.2 to 1.3. The committee noted that the decision to reject the proposal was taken after appraising the project based on documents submitted by the proponent, field inspection report etc., and after evaluating various pertinent reports including those from the DFO and District Collector, documents and study reports made available by the proponent. **Based on discussions, the committee, decided to examine the submissions of the proponent once again after obtaining the hearing note from the proponent and conducting a revisit to the site by Sri. S Sheikh Hyder Hussain & Dr. R Ajayakumar Varma.**

17. SIA/KL/MIN/72951/2022 , 1590/EC1/2019/SEIAA

Granite Building Stone Quarry Project of Mr. Eldho Issac over an extent of 4.7023 Ha in Survey. No. 208/1 of Alanallur- III Village, Mannarkkad Taluk, Palakkad District (Field Inspection Report Received)

Decision: The committee deferred the item for detailed scrutiny in the next meeting.

18. SIA/KL/MIN/81144/2019 , 1421/EC1/2019/SEIAA

Granite Building Stone Quarry of Ms. Malabar Blue Metals in Re Survey Nos. 570/5, 570/7, 570/11, 571/3, 571/4, 542/8 of Ambalappara-1 Village, Ottappalam Taluk, Palakkad District(Presentation)

Decision: As invited, the Proponent, Mr. Ajai Wilson, and RQP, Mr. Nazar Ahammed were present. The RQP made the presentation. The committee heard the presentation and observed that the depth to water table provided is ambiguous and the highest and lowest elevation is 70m & 59m above MSL. Based on discussions, the committee decided to direct the proponent to submit the following additional documents:

1. Compensatory afforestation plan along with site specific species and geo-coordinates and geotagged photographs of the proposed site
2. Detailed traffic study considering traffic during working days & holidays.
3. Revised and comprehensive EMP incorporating site specific mitigation measures including that considering socio-economic impacts, management plan for the proposed harvested water, groundwater recharge measures, budgetary provision for the entire life of mine.
4. Revised CER based on need assessment and incorporating monitorable physical targets with adequate budget provision
5. Clarifications for the following short comings in the EIA report with respect to certain ToR:

No	Conditions	Remarks
1	It should be clearly stated whether the proponent company has a well laid down environment Policy approved by its board of directors.	Chapter 10, Section 10.3, 10.4 & 10.5 Suggested "Environment Health Safety and Quality (EHSQ) Policy". State with clarity.
2	The study area will comprise of 10 km zone around the mine lease from the lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.	Chapter 2, Section 2.7.9 "Precautions will be taken to limit the height of the topsoil dump to 5 to 6 meters in order to preserve its fertility and shelf life. Also, we shall provide a retaining wall surrounding the dumping area having height of 2-3 m, which help to avoid the soil erosion". Two separate figures are given regarding height of dump. Provide clarification needed.
3	Primary baseline data	3.5,3.6,3.7,3.8, Table 3-6 Total water depth is given in mbgl and m amsl. 5 wells are selected including one bore well. Dugwells- Depth given varies between 5-10m bgl or 38-51m AMSL- mining operations 70-35 m AMSL. (page 135, 4.4). Clarify whether there is a possibility of groundwater intersection and the distance of monitoring wells along with their geotagged photographs

4	Description of water conservation	2.7.9 and 4.4 <u>2.7.9 is only about waste management.</u> <u>4.4 No conservation measures are explained</u>
5	Impact and mitigation measures	4.4,4.9.3,4.94 4.9.4 The statement that “The ground water table is much below the general ground level at the hillbottom. The proposed mining operations are much above the ground water table. Therefore, the mining operations on hilltop will not have any adverse impact on either yield movement or quality of ground water” is not seems to be correct. Please examine and clarify.
6	Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report	Section 2.8, Page 55, Sections are not project specific. They said progressive mine closure is applicable instead of mine closure plan and the mine closure plan will be prepared 5 years before expiry of the mine. Provide clarity and details
7	Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.	4.9.8, 10.6.7, 10.7 <u>4.9.8 is not found relevant</u> <u>10.6.7 There is no such section.</u> <u>10.7 is budget for EMP which need justification and revision with quantitative data</u>
8	Public hearing points	11 people attended as per the minutes of public hearing. Five were either quarry workers or quarry dependants. Nobody had raised any issue against the quarry. The president opined that if the quarry works as per prevailing environmental laws, permission can be granted. Please ascertain with proof regarding publicity given

CONSIDERATION OF TOR PROPOSALS

1. SIA/KL/MIN/83134/2022 , 2134/EC2/2022/SEIAA

Application for Terms of reference for Granite (Building stone)quarry in Re Survey No. 302,305/1 in Vengapally Village , Vythiri Taluk, Wayanad (Presentation)

Decision: As invited, the Proponent, Mr. Babu K P, and the Consultant, Mr. Haneesh Panicker, EIA Co-ordinator and functional expert on behalf of ABC Techno Labs India Private Limited were present. The consultant made the presentation. The Committee heard the presentation and observed that the mineable reserve is 8,86,675MT for mine life is 12 years. The targeted production is 73,889 MTA. The height and lowest elevation is 795m MSL 780m MSL. Abandoned pits are seen around the proposed area and about 2.97km from the Vythiri reserve forest. Based on discussions, the Committee decided to recommend Standard ToR with following additional studies:

1. There are more than 5 quarry pits in the vicinity and study should include a comprehensive water management plan considering the possibility of spillage or breach of water during monsoon and water requirements in the area during summer.
2. Specific plan for conservation of biodiversity in the area.
3. Detailed socio economic impacts of livelihood, considering the vengapally tribal settlement.
4. Study on the impact on the water availability in the preferral area of the proposed site due to decrease in water recharge area.

PART 4

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/138725/2020 , 1653/EC4/2020/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry of Mr. Ashraf P, at Re. Survey No: 172 of Kodyathur Village, Kozhikode Taluk, Kozhikode District, and Kerala for an area of 2.32035 Ha. (Refer back from 121 st SEIAA)

Decision: The Committee discussed the deliberation of the 121st meeting of the SEIAA in response to the decision of 134th SEAC meeting on the subject project and direction of the Authority to SEAC to ascertain the cluster situation based on the S.O. 2269(E) dated 01.07.2016 of MoEFCC. The Committee also noted the opinion of the Authority that SEAC has the discretion to insist on public hearing and EIA study for a particular project considering the fragility of the area, proximity to other quarries, habitats, etc, even though it does not attract cluster condition. **Based on discussions, the committee decided to invite the proponent for presentation.**

2. SIA/KL/MIN/43903/2019 , 1548/EC2/2019/SEIAA

Granite Building Stone Quarry over an extent of 0.9037 Hectares in ReSurvey No.- 214/1- 1-1, 214/1-1-2, 214/2pt (Own Patta land) & Re-Sy.No.- 214/1pt(Govt. Land) Pooyappally Village, Kottarakara Taluk, Kollam District, Kerala State by Mr. Biju Khan (Refer back from 122nd SEIAA)

Decision: The Committee decided to adhere to the decision of the 130th SEAC meeting on the proposal.

3. SIA/KL/MIN/43937/2019 , 1547/EC2/2019/SEIAA

Granite Building Stone Quarry over an extent of 0.5456 Ha in Re-Survey No.- 217/17pt (Patta land) & Re-Survey No.-214/1pt (Govt. Land) Pooyappally Village, Kottarakara Taluk, Kollam District, Kerala (Refer back from 122nd SEIAA)

Decision: The Committee decided to adhere to the decision of the 130th SEAC meeting on the proposal.

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

1. SIA/KL/MIN/265356/2022 , 3476/EC4/2019/SEIAA

Extension of Environmental Clearance for Laterite building stone quarry project of Mr.Pardeep K at survey No.587/46, 587/47, 587/48, 587/49, 588/3 of Kunnathoor Village, Kunnathoor Taluk, Kollam. (Refer back from 121st SEIAA)

Decision: The Committee noted the decision of the Authority in its 121st meeting regarding submission of Half Yearly Compliance Report to IRO, MoEF& CC and Parivesh Portal to seek mandatory CCR from the IRO, MoEFCC, Bangalore with reference to Laterite Building Stone Quarry Projects and direction with respect to the subject matter project. Based on discussions, the committee decided to extend the EC for one year subject to the following specific conditions in addition to the 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 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 as per norms
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).

It is decided to convene the next online meeting of SEAC from 3rd and 4th March, 2023.

It is decided to convene the 140th meeting of SEAC on 14th, 15th & 16th March, 2023.

Sd/

**Suneel Pamidi, IFS
Secretary, SEAC**

Sd/

**Dr.Ajayakumar Varma
Chairman, SEAC**

Sl.No.	Name	16.02.2023	17.02.2023
1.	Shri. Sheik Hyder Hussain	✓	✓
2.	Dr.A.Bijukumar.	X	X
3.	Dr.A.N.Manoharan	✓	✓
4.	Shri. M.Dileepkumar	X	X
5.	Smt. Beena Govindan	✓	✓
6.	Dr.C.C.Harilal	✓	✓
7.	Dr.K.VasudevanPillai	✓	✓
8.	Dr.MaheshMohan	✓	X
9.	Dr.K.N.Krishna kumar	✓	X
10.	V.Gopinathan	✓	✓
11.	Dr.A.V.Raghu	✓	✓
12.	Dr.N.Ajithkumar	X	X
13.	Shri.Suneel Pamidi,IFS (Secretary)	✓	✓
14.	Dr.R.Ajayakumar Varma (Chairman)	✓	✓