

documents submitted and status of compliance of EC conditions. As per the decision of the 130th meeting of SEAC, a Sub Committee of SEAC carried out field inspection of the site on 30.07.2022. Considering the project details and field inspection report, the Committee observed the following:

1. The project life is estimated as 12 years from the date of original EC, i.e., 20.4.2017.
2. The PP has not submitted Certified Compliance Report from the Integrated Regional Centre, MoEF & CC, Bangalore
3. Buffer zone with width of 7.5m is not uniformly maintained
4. Green belt development in the buffer zone need improvement
5. Approach road is not maintained well
6. Maximum depth of mining should be limited to 10m below the general ground level
7. Overburden and top soil storage require improved stacking and protection
8. Improvement of overland drainage system and its periodical maintenance.

The Committee decided to direct the PP to address the above observations and submit geotagged photographs and proofs wherever applicable.

PARIVESH

PART 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. **SIA/KL/MIN/130005/2019 , 1568/EC2/2019/SEIAA
Environmental Clearance for the proposed Granite Building Stone Quarry project of Mr.Shafir P in Survey No. 374/782, 374/509, 374/510 of Valad Village, Manathavadi Taluk, Wayanad District, and Kerala (Presentation)**

Decision: As invited the proponent, Sri. Shafir P and the RQP Sri.Mahesh.S and Consultant Sri. Arunkumar were present. The RQP made the presentation. The Committee suggested that the application has the following short-comings.

1. The KML file uploaded is not proper.
2. The address in Form. 2 of the application need re-verification.
3. The EMP has to be revisited and revised.

The Committee decided to entrust Dr.A.N.Manoharan & Dr.C.C.Harilal for field inspection and report.

2. SIA/KL/MIN/130412/2019 , 1647/EC4/2020/SEIAA

Environmental Clearance for Granite Building Stone quarry in Re Survey No. 122,123/1 Block No. 22 of Kolari Village, Iritty Taluk, Kannur District, Kerala for total permit area of 0.9653 Ha.(Presentation)

Decision: As invited the proponent, Sri. Ziyad KT and the Consultant Dr.C. Jayaprakash representing M/s. Overseas Min-Tech Consultants Pvt Ltd were present. The Consultant made the presentation. The Committee heard the presentation and noted that the project is mostly located on a moderate hazard zone. The Committee suggested that the application has the following short-comings.

1. The EMP has to be revisited and revised.
2. The CER has to be modified with specific physical targets as per rules.

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

3. 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

Decision: As invited the authorized person by the proponent Sri. Ajufar.P.S and RQP Mr.Nazar Ahammed were present. The RQP made the presentation. The Committee observed that the application is incomplete as many of the information are not furnished. Therefore, the Committee decided to reject the application. The Committee also noted that the proponent has not submitted the proof regarding the submission of application to NBWL for wildlife clearance.

4. SIA/KL/MIN/134774/2020, 1646/EC4/2020/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry of Mr.Muhammed Themeem P C in Re-Survey No. 18/14, 22/11, 18/13 of Vavad Village, Thamarassery Taluk, Kozhikode District, and Kerala for an area of 0.5553 hectares.

Decision: As invited, the proponent, Sri. Muhammed Themeem and RQP, Sri.Mahesh.S were present. The RQP, made the presentation. The Committee verified the documents submitted along with the application and additional document sought. The project area is 0.5553 Ha which includes an abandoned quarry pit. The mineable reserve estimated is 1,12,066 MT and the production plan is 22413 TPA. The life of mine proposed is 5 years. The site elevation varies

from 60 to 70m above MSL. The depth to water table is reported to be 54m above MSL. The proposal is to mine up to a depth of 45m above MSL which is contrary to the depth of mine void stated as 35m in Form 2. Considering the depth to water table, the mining will have to be limited at 55m above MSL and thus the project period will only be 3 years. It is stated in Form 2 and Form 1 that the distance to the Malabar Wildlife Sanctuary is 12km. The proponent also obtained a letter from the District Forest Officer dated 18.8.2022 stating that there are no wild life sanctuaries located within the distance of 10km. But in Form 1M, it is stated that the Malabar Wildlife Sanctuary is at a distance of 6.1 km north. In the circumstance, the Committee decided to seek clarification from the Proponent regarding the contradictions in the information provided.

**5. SIA/KL/MIN/175300/2020 , 1987/EC3/2022/SEIAA
Environmental Clearance for the Proposed 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.**

Decision: As invited, the proponent Sri. Shibu Mathew and Sri. P.Z Thomas, Consultant representing M/s Environment Engineers and Consultants Ltd were present. The Consultant made the presentation. The Committee heard the presentation and observed the following:

1. A proper workable drainage plan considering the need for crossing the PWD road, connectivity to the natural stream adjacent to the road and the carrying capacity of the stream.
2. The EMP need revision considering the revised drainage plan, stabilization of stream banks with geo-textiles and revised physical targets of CER
3. The compensatory afforestation plan has to be revised in consultation with expert agencies.

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

**6. SIA/KL/MIN/177823/2020, 1829/EC1/2020/SEIAA
Granite Building Stone Quarry of Shri. Najeeb Hassan for an extent of 0.8747 Ha in Re-Sy No. 372/1-2 in Ongallur-II Village, Pattambi Taluk, Palakkad District**

Decision: As invited, the proponent Sri. Najeeb Hassan and the RQP Sri. Nazar Ahmmed was present. The RQP made the presentation. The Committee heard the presentation and noted the following:

- a. The CER has to be revised by detailing physical target based on local consultation.
- b. The depth to the water table has to be reassessed.

The Committee decided to entrust Dr.A.V.Raghu and Dr.K. Vasudevan Pillai for field inspection and report.

7. 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 in Re-Sy.No: 575/1-3-6-2pt & 581/1-5-7pt at KonniThazham Village, KonniTaluk, Pathanamthitta District, Kerala

Decision: As invited, the proponent Sri. Thomas Mathew, Consultant Smt. Ananthitha representing M/s. Ultratech Consultancy and RQP Sri.V.K. Roy were present. The Consultant made the presentation. The Committee heard the presentation and the following submissions of the proponent:

1. Proponent obtained EC vide no. 77/SEIAA/KL/172/2013 for an area of 4.8493 ha up to 30.10.2018 which included the 0.9900 ha covered under this project. This EC was extended for one year up to 30.10.2019.
2. Considering the approved mining plans for two leases (2.10 ha & 1.0473 ha) with a total area of 3.1473 ha (Part of the area for which EC was issued in 2013), EC was extended for 5 years up to 27.12.2024.
3. Though the EC was extended in 2019 for the approved lease areas, the area approved in the Mine Plan was more which was not considered for extension.
4. As per the Cluster Certificate dated 7.4.2022, the active mining area in the cluster is 4.0473 Ha and with the present proposal the total area exceeds 5 Ha.
5. As per the Notification dated 01.07.2016, the cluster condition shall be applicable to the mine leases or quarry leases granted on and after 9.9.2013.

Further, the Committee observed the following:

1. The KML file is uploaded without marking the boundary pillars
2. In the application, under the details of ecological sensitivity, Konni Elephant reserve at a distance of 4.31 km is shown as the wildlife sanctuary.
3. The proposed project area mostly falls in the moderate hazard zone.
4. The depth of the mine void proposed is 85m above MSL and the depth to the water table in the location is 95m above MSL.
5. The EMP need revision considering site specific plans and realistic cost estimates.
6. The CER need revision based on detailed physical targets as per rules.

The Committee entrusted Smt. Beena Govindan and Dr.Mahesh Mohan for studying the project in detail, considering the submissions of the proponents stated above and shortcomings observed by the Committee, after conducting a field inspection, if necessary.

8. 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, Kannur District, Kerala for an area of 2.0235 hectares.

Decision: As invited, the proponent Sri. Sini Joseph and Consultant Sri. P.Z Thomas, representing M/s Environment Engineers and Consultants Ltd were present. The Consultant made the presentation. The Committee heard the presentation and observed the following:

1. The CER proposal should be revisited and revised by considering feasibility of activities in any of the colonies of tribal /vulnerable population.
2. The proof of application submitted to NBWL for Wildlife Clearance should be submitted.
3. A recent Cluster Certificate should be provided.
4. An additional settling pond at the NE side should be provided.
5. The area proposed for the compensatory afforestation program is already vegetated, hence alternate area should be identified and geo-tagged photographs of the identified area should be submitted.

The Committee entrusted Sri. V. Gopinathan and Dr.A.N.Manoharan for field inspection and report.

9. SIA/KL/MIN/199564/2021, 1356/EC2/2019/SEIAA

Environmental Clearance for the building stone quarry project at Survey No. 425 of Kannamangalam Village, Thirurangadi Taluk, Malappuram District, Kerala by Sri.Abdul Azeez C.K, M/s Grand Stone Metals Pvt. Ltd.

Decision: As invited, the proponent Sri. C.K Abdul Azeez and the Consultant, Sri. P.Z Thomas representing M/s Environment Engineers and Consultants Ltd. were present. The consultant, made the presentation. The Committee heard the presentation and made the following observations:

1. The biodiversity assessment report needs reverification and revision.
2. The CER is to be reworked by incorporating more physical targets based on need analysis.
3. The Project cost is to be reworked and accordingly the EMP also.
4. The adequacy of drainage system proposed for the area need reassessment.
5. The project area dominantly falls in the moderate hazard zone.

The Committee entrusted Sri. V.Gopinathan and Dr.AV.Raghu for evaluation of EIA report, field inspection and report.

10. SIA/KL/MIN/223779/2021 , 1921/EC4/SEIAA/2021

Environmental Clearance for Laterite building stone quarry project of Mr.Mirshad C.K, over an extent of 0.7115 Ha in Re Sy No 67/1190, 67/1191, 67/1187, 67/1186, 67/801 of Kakkad Village, Kozhikode Taluk, Kozhikode District, Kerala.

Decision: As invited, the Proponent Sri.Mirshad and the RQP Sri. Nazar Ahammed were present. The RQP made the presentation. The Committee heard the presentation and observed that there seems to be other quarries under operation in the neighbourhood and also the site is located on the summit of a hillock with steep side slopes. Therefore, the Committee decided to entrust Dr.A.N.Manoharan and Dr.C.C.Harilal for field inspection and report.

11. SIA/KL/MIN/232409/2021, 1961/EC4/2022/SEIAA

Environmental Clearance for Laterite building stone quarry project of Mr.Shaji, at Re-survey.No: 67/636, 67/639, 67/637, 67/649, 67/748 of Kakkad -Village, Kozhikode -Taluk, Kozhikode- District, Kerala over an area of 0.9902 Ha

Decision: As invited, the proponent Sri.Shaji. C and the RQP Sri. Nazar Ahammed were present. The RQP made the presentation. The Committee heard the presentation and observed that there seems to be other quarries under operation in the neighbourhood and also the site is located on the summit of a hillock with steep side slopes. The proposal with File No. 1921/EC2/SEIAA/2021 is also located in the adjacent area. Therefore, the Committee decided to entrust Dr.A.N.Manoharan and Dr.C.C. Harilal for field inspection and report.

12. SIA/KL/MIN/234007/2021 , 2019/EC3/2022/SEIAA

Environmental Clearance for the Laterite Buliding Stone project at Re -urvey No.280/4,280/13 of Aikaranad South Village, Kunnathunad Taluk, Ernakulam District, Kerala State for an area of 0.1975 hectares-PRESENTATION

Decision: As invited, the proponent Sri. Manoj E.S. and RQP Sri.C.Balram were present. The RQP, made the presentation. The Committee heard the presentation and appraised the project as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha and decided to recommend EC for a period of One year with the following Conditions:

1. The proponent should submit an affidavit, prior to issuance of EC, stating that CER proposal as per rules will be implemented.
2. The excavation activity associated should not involve blasting
3. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.
4. The excavation activity should be restricted to 2m above the ground water table at the site
5. The excavation activity should not alter the natural drainage pattern of the area

6. The excavated pit should be restored by the project proponent for useful purpose
7. Appropriate fencing all around the excavated pit should be made to prevent any mishap
8. Measures should be taken to prevent dust emission by covering of excavated material during transportation
9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth
10. Workers/labourers should be provided with facilities for drinking water and sanitation.
11. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation
12. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area
13. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
14. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).

13. SIA/KL/MIN/255794/2022 , 2000/EC6/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr.Manningachalil Ibrahim, over an extent of 0.1942 Ha, ReSyNo-242/1-3, 242/2 in Pulpatta Village, Ernad Taluk, Malappuram District, Kerala

Decision: As invited, the proponent Sri. Ibrahim.M and the RQP Sri.Nazar Ahmmed were present. The RQP made the presentation. The Committee heard the presentation and observed the following:

1. The RQP has not conceived the drainage requirement of the proposed site. The RQP was uncertain while providing clarifications on the drainage requirement of the site.
2. The drainage requirement of the site and the most appropriate plan for the same should be conceived and submitted.
3. The google map indicated a road passing through the boundary pillar 3 & 4 which need to be clarification.
4. The proposal also lacked plan for OB dumping and management.

The Committee decided to entrust Dr. A.V. Raghu and Sri. Sheik Hyder Hussain for field inspection and report.

14. SIA/KL/MIN/261634/2022, 1999/EC6/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr.Ayamu, over an extent of 0.3391 Ha, ReSyNo-242/1-3 in Pulpatta Village, Ernad Taluk, Malappuram District, Kerala

Decision: As invited, the authorized person of the proponent Sri. Shahul Hameed. K.K and the RQP Sri.Nazar Ahammed were present. The RQP made the presentation. The Committee heard the presentation and observed the following:

1. A comprehensive drainage plan for the 3 project areas comprised in SIA/KL/MIN/261634/2022, SIA/KL/MIN/262702/2022 and SIA/KL/MIN/255794/2022 (Item 13 above) should be provided.
2. The Compensatory afforestation plan should be provided.
3. The CER proposal should be worked out as per rules.

The Committee decided to entrust Dr. A.V. Raghu and Sri. Sheik Hyder Hussain for field inspection and report.

15. SIA/KL/MIN/261870/2022 , 2005/EC6/2022/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry in Block No. 14, Re-Survey Nos: 63/1/5-1, 63/3/3-1 of Muthuvallur Village, Kondotty Taluk, Malappuram District, Kerala for an extent of 0.1943 Ha.

Decision: As invited, the Proponent Sri. HaneefaKottayian and the RQP Sri. V.K. Roy were present. The RQP made the presentation. The Committee heard the presentation and decided to direct the RQP to submit a site specific plan for drainage management of the site considering the adjacent mines as well as nearest natural drain.

16. SIA/KL/MIN/262702/2022 , 1996/EC6/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr.Moideenkutty .P, over an extent of 0.4061 Ha, ReSyNo-242/1-3,242/2 in Pulpatta Village, Ernad Taluk, Malappuram District, Kerala

Decision: As invited, the proponent represented by an authorized person namely Sri. Munnavar.P and the RQP Sri.Nazar Ahammed were present. The RQP, made the presentation. The Committee heard the presentation and observed the following:

1. A comprehensive drainage plan for the 3 project areas comprised in SIA/KL/MIN/261634/2022, SIA/KL/MIN/262702/2022 and SIA/KL/MIN/255794/2022 (Item 13 above) should be provided.
2. The Compensatory afforestation plan should be provided.
3. The CER proposal should be worked out as per rules.

The Committee decided to entrust Dr. A.V. Raghu and Sri. Sheik Hyder Hussain for field inspection and report.

17. SIA/KL/MIN/265909/2022, 1985/EC1/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr.Ansar.C over an extent of 0.8489 Ha in Survey No. 1/2A, of Pottassery-2 Village of Mannarkkad Taluk, Palakkad-District

Decision: As invited, the Proponent Sri. Ansar.C and the RQP Sri. Nazar Ahammed were present. RQP made the presentation. The Committee heard the presentation and observed that the CER proposal needs modification. The Committee decided to entrust Dr. K. Vasudevan Pillai and Dr.K.N.Krishnakumar for field inspection & report.

18. SIA/KL/MIN/268811/2022, 1998/EC6/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr.Hussain Babu, over an extent of 0.8058 Ha, Re.SyNo-249/2-4, in Edayur Village, Tirur Taluk, Malappuram District, Kerala.

Decision: As invited, the proponent Sri. Hussain Babu and the RQP Sri.NazarAhmmed were present. The RQP made the presentation. The Committee observed that there is a road adjacent to the BP-1 and a building adjacent to BP-2 at a distance of less than 10m. Therefore, the Committee decided to recommend rejection of the proposal.

19. SIA/KL/MIN/273506/2022 , 310/SEIAA/KL/1693/2014

Application for Environmental Clearance in Survey No. : 197/2(p), 198/8(p), 198/9(p) 198/2(p), 198/10(p) & 205/2(p) Koppam Village, Pattambi Taluk, Palakkad District, Kerala (Judgment dated 26.08.2021 in WP (C) No.14476/2021 filed by M/s Marath Enterprises and crushers Pvt. Ltd)

Decision: As invited, the proponent Sri. .M.V.Rajan and the Consultant Sri. Haneesh K.R. representing M/s. ABC Techno Labs India Pvt Ltd. were present. The Consultant made the presentation. The Committee heard the presentation and decided to direct the proponent to submit the following details/documents:

- a. Recent Cluster certificate.
- b. Recent Survey map certified by the Village Officer.
- c. Revised PFR incorporating pertinent details from the DSR or DSR.
- d. Revised Project Cost
- e. Revised EMP.
- f. Project cost should be revised.

The commencement of the appraisal process may be brought to the notice of the Hon. Hon'ble Court of Kerala as per the judgment in WP(C) NO. 14476 OF 2021.

20. SIA/KL/MIN/62708/2019 , 1901/EC4/2021/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry of Mr. Abdul Rahim at Re Survey No. 147/46, 147/2A1, 147/2A2, 147/42, 147/43, 147/44, 147/41 at Thazhakkode Village, Kozhikode Taluk, Kozhikode District, Kerala for an extent of 3.8830 Ha.

Decision: As invited, the proponent Sri. Abdul Rahim and Consultant & RQP Sri. Nazar Ahmmed representing SBA Enviro Systems Private Limited were present. The RQP made the presentation. The Committee heard the presentation and observed that the EMP cost is not realistic and need revision. The Committee decided to entrust Dr. A.N. Manoharan and Dr.C.C.Harilal for evaluation of EIA report, field inspection and report.

21. SIA/KL/MIN/63669/2019 , 1925/EC3/2021/SEIAA

Environmental Clearance of Existing Granite Building stone Quarry- 4.7134 Ha at S.F.Nos. 301/2, 285/1-2 Mazhuvannur village Block No.29 and S.F.Nos.410/8-2,410/7-2,410/5-2 Arackappady Village, Block No. 28, Mazhuvannur GramaPanchayath, Kunnathunad Taluk, Ernakulam District, Kerala

Decision: As invited, the Proponent represented by Mr.Siyad P.A with authorization letter and the Consultant, Smt. Vijayalakshmi representing M/s Eco Tech Labs Pvt. Ltd., were present. The consultant made the presentation. Based on discussions, the Committee decided to direct the Proponent to address the following observations.

- a. As per the records submitted, the air quality has been monitored during monsoon which is not the critical season.
- b. The three specific conditions included in the ToR has not been addressed properly
- c. The queries raised in the Public Consultation has not been addressed properly
- d. The Project Cost, CER proposal and Environmental Management Plan need modification.
- e. The production details of the cluster are not addressed.
- f. The Traffic plan has not been prepared based on the traffic data of the entire impact zone
- g. The details provided on overburden is contradictory
- h. The EIA report need revision considering the all the observations above and addressing all the aspects in the approved ToR. submitted is not proper.

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 (Presentation)

Decision: As invited, the Proponent Sri. N.Ramachandran and the Consultant, Smt.Ananthitha representing M/s Ultratech and the RQP, Sri. V.K. Roywere present. The Consultant made the presentation. The Committee heard the presentation and observed the following.

- a. The boundary pillars are not marked in the KML file uploaded which should be corrected.
- b. The project cost estimate should be revised and also the cost earmarked for the EMP.
- c. The CER proposal should be revised incorporating appropriate physical targets in accordance with rules.
- d. The width of the road seems to be inadequate and there will be difficulty for management of traffic. Therefore, an appropriate traffic management plan based on field level data should be prepared.

The Committee decided to entrust Er. M. Dileepkumar and Dr. A. Bijukumar for evaluation of the EIA report, field inspection and report.

23. SIA/KL/MIN/70164/2019 , 1393/EC2/2019/SEIAA

Environmental Clearance for quarry project by M/s SreedhanyaMetalsat Survey No. 269/1, 269/1-1, 269/3, 269/4, 269/5, 269/5-1, 269/6, 269/8, 269/8-1, 269/17-1, 269/17-2, 270/6, 270/7-1, 270/8-1, 270/8-2, 270/9, 270/10, 270/11-1, 270/11-2, 272/11, 272/12, 272/13, 272/21, 272/14-1, 273/1-2 of Pallichal Village, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala

Decision: As invited, the proponent Sri. Chandrababu.G, the Consultants Mrs.Ananthitha and Mr. Arunkumar representing M/a. Ultratech were present. The Consultant made the presentation. The Committee heard the presentation and observed the following.

- a. The project cost estimate should be revised and also the cost earmarked for the EMP.
- b. The CER proposal should be revised incorporating appropriate and specific physical targets in accordance with rules.
- c. The traffic management plan should be revised based on field level data.
- d. The compensatory afforestation plan incorporating the geotagged photographs of the area where it is proposed to be done should be provided.
- e. The distance from the proposed site to the defence installations in the area and clarification as to the requirement of permission from the concerned defence department

The Committee decided to entrust Er. M. Dileepkumar and Dr. A. Bijukumar for evaluation of the EIA report, field inspection and report.

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

1. SIA/KL/MIN/183508/2020 , 803/EC4/2120/2015/SEIAA

Extension of Environmental Clearance for the Granite (Building Stone) Quarry of Shri. A. D. John in Survey Nos. 133/1, 133/1-1, 133/2, 133/3, 133/5, 133/6, 133/6-1, 133/6- 2, 133/6-3, 133/6-4, 133/6-5, 133/6-6, 133/6-7, 133/7, 133/7- 1, 133/7-2, 133/7-3, 133/7-4, 133/8-1, 133/9, 133/9-2, 107/4- 1, 107/6, 107/6-2, 107/7, 107/7-2, 107/7-3, 107/8, 107/8-1, 108/3, 108/3-1 at Kottangal Village, Mallapally Taluk, Pathanamthitta District, Kerala (Writ petition filed by Sri.A.D.John before the High Court)

Decision: As invited, the proponent, Sri. A.D.John and RQP Sri. V.K. Roy were present. RQP made the presentation. The Committee heard the presentation, copy of the writ petition prepared for filing before the Hon. Court submitted by the PP and other documents. The Committee observed the following:

1. The PP obtained EC dated 5.3.2016 for an area of 4.07.31 Ha for 5 years for the project having life of mine of 5 years
2. The PP obtained Lease for an area of 2.6794 Ha with validity from 1.11.2018 to 31.11.2023
3. The PP submitted a revised Mine Plan approved on 13.9.2018 for an area of 2.6794 Ha within the area of 4.0731 Ha for which EC was issued. The Mineable Reserve as per the revised Mine Plan is 51,51,78 MT. The proposed production from 2018-19 to 2022-23 is stated as 3,62,445 MT and the life of mine indicated is 5 years.
4. The Mine Plan indicated that a quantity of 1,52,632 MT of mineral had been extracted during 2016-17 and 2017-18 which seems to be prior to the lease order.

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

1. Clarification regarding the authorization for mining carried out during 2016-17 and 2017-18 after obtaining EC but before obtaining lease.
2. Clarification on the discrepancy in the total mineable reserve and proposed extraction during the projected life of mine. As per the revised Mine Plan approved on 13.9.2018 for an area of 2.6794 Ha within the area of 4.0731 Ha for which EC was issued, mineable reserve is estimated as 51,51,78 MT with a life of mine projected as 5 years. But the production from 2018-19 to 2022-23 (5 years) is proposed as 3,62,445 MT.
3. Latest Compliance Report submitted and the latest results of the environmental parameters monitored

4. Certified Compliance Report from the Integrated Regional Office, MoEF&CC, Bangalore
5. Letter from the Mining and Geology Dept. regarding the quantity of minerals mined from the lease area.
6. Latest Non-Cluster Certificate from the Mining & Geology Department
7. Proposed Scheme of Mining
8. Latest Survey Map certified by the Village Officer regarding the distance to the nearest built structures

CONSIDERATION OF TOR PROPOSALS

1. **SIA/KL/MIN/70441/2021 , 1936/EC4/2022/SEIAA
Granite Building Stone Quarry Project at Re Survey No. 186/290, 186/288, 186/289, 186/291, 186/580, 186/585 and 186/558 of Kodyathur Village, Kozhikode Taluk, Kozhikode District, and Kerala for an area of 2.9688 hectares**

Decision: As invited, the Proponent Abdulla T.T and the Consultant Smt. Ananthitha representing M/s Ultratech were present. Consultant made the presentation. The Committee decided to approve standard ToR with the following additional studies:

1. Land slide susceptibility of the impact zone in general & 500m vicinity in particular.
2. Traffic management study specifically considering the large number of quarries within the impact zone.
3. Community need assessment in the immediate vicinity giving special focus on vulnerable community.

2. **SIA/KL/MIS/72908/2022 , 1993/EC3/2022/SEIAA
Environmental Clearance for the Project-Valley View Apartment, Ambalamedu at Ambalamugal, Karimugal, P.O. Kochi, Kerala of M/s NBC project at village Puthencruz, Taluk Kunnathunad, District Ernakulam, Kochi, Kerala-
PRESENTATION**

Decision: As invited, the Proponent Shakthiguru Pandey, DGM, NBCC and the Consultant Smt. Aktha Chugh, Consultant on behalf of M/s Perfact Enviro Solutions Pvt. Ltd. were present. The Consultant made the presentation. As per the data and details provided by the PP, the project is considered eligible for appraisal and the Committee decided to approve the ToR submitted by the PP for conducting environmental impact assessment studies and for submitting the EIA report and EMP along with detailed and appropriate (i) Damage Assessment, (ii) Remedial Plan and

(iii) Community Augmentation Plan (to restore environmental damage caused including its social aspects). The Committee also directed the PP to study the following specific aspects in addition to the ToR approved.

1. The overland flow management and the drainage arrangements
2. The feasibility of CER for the comprehensive development of the poor.

3. SIA/KL/MIS/77012/2022 , 2014/EC3/2022/SEIAA

Expansion of Hospital Project of Al-Azhar Medical College and Super Speciality Hospital, at Kumaramangalam Village, Thodupuzha Taluk, Idukki, Kerala –

Decision: As invited, the Proponent Sri. Pradeepkumar, CEO, Al-Azhar Medical College and Super Speciality Hospital and the Consultant Smt. Ananthitha, M/s Ultra-Tech were present. The Consultant made the presentation. As per the data and details provided by the PP, the project is considered eligible for appraisal and the Committee decided to approve the ToR submitted by the PP for conducting environmental impact assessment studies and for submitting the EIA report and EMP along with detailed and appropriate (i) Damage Assessment, (ii) Remedial Plan and (iii) Community Augmentation Plan (to restore environmental damage caused including its social aspects). The Committee also directed the PP to study the following specific aspects in addition to the ToR approved.

1. The overland flow management and the specific drainage arrangements
2. The feasibility of CER for the comprehensive development of the poor.
3. The traffic management consequent to the expansion plan

4. SIA/KL/MIN/75523/2022 , 2001/EC2/2022/SEIAA

ToR for the Proposed Granite Building Stone Quarry of A.M Chackochan at Elamad Village, Kottarakara Taluk, Kollam District, Kerala for an extent of 8.0563 Ha

Decision: As invited, the Proponent A.M.Chackochan, the Consultant Mr. Nazar Ahammed representing M/s SBA Enviro Systems Pvt. Ltd. and the RQP Mr. Jayachandra Panicker were present. The Consultant made the presentation. The Committee heard the presentation and decided to approve standard ToR with the following additional studies:

1. DEM based slope stability analysis.
2. The utilization of existing quarry pits.
3. Watershed based comprehensive drainage plan.
4. Community needs assessment of the nearby habitations, specifically considering the vulnerable community.

PART 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/129967/2019 , 1861 (A)/EC4/2019/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry with permit at Un survey in Thiruvambady Village, Thamarassery Taluk, Kozhikode District, Kerala for an extent of 0.9800 Ha (Field Inspection Report Received)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report conducted on 05.06.2022. The project area is 0.98 Ha and mine life as per the approved Mine Plan is 5 years. The proposed average Annual Production is 56000MT. The distance to the nearest house is 101.6m from the proposed area. The site is not located within a moderate or high hazard zone. The Area is located at an upstream side of a valley area. A higher-order seasonal stream is flowing at eastern margin of the project area. Two seasonal first-order streams are also present in the project area. Considering the landslide occurrences in various parts of the state and the influence of drainage in the occurrence of landslides, the Committee observed that a study on landslide susceptibility due to the existing slope and drainage scenario is desirable in the area. The Committee also observed the importance of garland canal, multiple stage siltation tanks, protection and maintenance of the nearby natural drainage that receive the outflow from the siltation tank, compensatory afforestation, assessment of vibration impact on nearby built structures etc. Therefore, the Committee decided to direct the PP to submit the following:

1. Recent cluster Certificate from the Mining and Geology Department.
2. Recent survey map certified by Village Officer showing the distance from the nearest electric line, temple, houses and other built structures.
3. Compensatory afforestation plan including geo-tagged photographs of the proposed area
4. Details of road connectivity along with geo-tagged photographs of the approach road
5. Study report on the landslide susceptibility due to the existing slope and drainage scenario of the project site and its environs, considering the landslide occurrences in various parts of the state and the influence of drainage in the occurrence of landslides by a competent institution or scientists of repute in the field in Kerala

The Committee took note that the representative of the RQP, who was present during the site visit, obstructed the PP while clarifying the traffic related questions and while explaining the details about the road connectivity to the site. The Committee decided to advice the RQP to be present himself, here onwards, during the field visits of SEAC and provide clarifications and not to depute persons who are not familiar with the environmental appraisal procedure.

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

Granite Building Stone Quarry 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 State M/s. Crystal Granites (Field Inspection Report Received)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 20.6.2022. The project area is 4.4601 Ha, mine life proposed is 10 years and the nearest house is 61m away from the proposed area. The site does not fall in moderate or high hazard zone. The Committee agreed to the following specific conditions proposed in the field inspection report.

1. Depth of mining should be limited to a maximum of 35m above MSL (subject to confirmation after obtaining ADS w.r.t water table) instead of 27m in the approved Mine Plan considering the depth to groundwater table and vulnerability of the terrain.
2. Blasting (NONEL) should be done only with drill hole of 32mm diameter and depth 1.5m loaded with a maximum of 375 gm of explosive in each hole of the array with an overburden of 1.5m and spacing of 1m. An affidavit to this should be submitted by the Proponent.
3. 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 (HYCR)
4. Development of green belt to be initiated prior to the commencement of mining operation and its maintenance status should be included in the HYCR.
5. Compensatory afforestation to be initiated prior to the commencement of mining.
6. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
7. 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.
8. Gabion wall of appropriate height should be provided at the overburden dumping site.
9. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
10. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
11. The haulage road should be developed and maintained well with frequent sprinkling.
12. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
13. Adequate energy conservation measures proposed should be implemented including solar power installations.

Based on discussions, the Committee decided to direct the proponent to submit the following additional documents/details.

1. Valid NOC for Sy No. 183 Pt.
2. Non-Assignment Certificate of private land proposed.
3. Geo-coordinates and Geo-tagged photograph of the location where the compensatory afforestation is proposed to be done.
4. Detailed Compensatory Afforestation Plan considering the removal of natural vegetation from the proposed project site
5. Legible survey map certified by the Village Officer.
6. Consent of landowner where OB dumping site is proposed.
7. Depth to water table in nearby dug wells and geo-tagged photographs of the wells.
8. Revised drainage map with connectivity to natural drain.
9. Revised site-specific Risk assessment plan.
10. Revised site-specific EMP along with realistic cost estimates.
11. Revised CER with enhanced and detailed physical targets and its incorporation in EMP.
12. Safeguard and management measures for the old quarries, rock outcrops, boulders and water pool within the proposed site
13. Management measures for the natural drains originating from the project area
14. Details of sanitation and waste management measures required to be provided at site.
15. Details of energy conservation measures proposed to be adopted.

3. SIA/KL/MIN/134153/2019 , 1797/EC6/2020/SEIAA

Application for Environmental Clearance for the Granite Building Stone Quarry project in Sy No-276/1 in Oorakam village, Thirurangadi Taluk, Malappuram District, Kerala for an area of 0.7874 Ha by Shri.K.P.Muhammed Basheer (FIR received)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 19.05.2022. The project area is 0.7874 Ha and proposed mine life is 5 years. The Project area does not fall in moderate or high hazard zone. The Committee observed that many of the details sought in Form-2 of Parivesh system are not provided by the PP and the Committee decided to notify this to the PP and the Consultant/RQP that such application will be rejected, if it is repeated. Based on discussions, the Committee decided to direct the proponent to submit the following additional documents/details:

1. The details sought in Form-2 of Parivesh system that are not answered in the uploaded file.
2. Detailed drainage plan including garland canal, silt traps, siltation tanks, outflow channel and connectivity to natural drains.
3. The map of the project site superimposed on the Hazard Zonation Map
4. Detailed plan for haulage road development to the site.
5. Detailed plan for Rain Water Harvesting.

**4. SIA/KL/MIN/136154/2020 , 1609/EC1/2020/SEIAA
Environmental Clearance for Building Stone Quarry of Mr. Abdul Vahid.A over
an extent of 1.6980 Ha. Block No: 37, Re Sy 111/1,110/2,110/2-1 in Nagaroor
Village, Chirayinkeezhu Taluk, District-Thiruvananthapuram(Field Inspection
Report Received)**

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 20.06.2022. The Mine life is 7 years and the nearest built structure is 69.6m away from the proposed area. The project site does not fall in moderate or high hazard zone. The Committee agreed to the following specific conditions proposed in the field inspection report.

- a. Depth of mining should be limited to a maximum of 90m above MSL instead of 80m in the approved Mine Plan considering the depth to groundwater table and vulnerability of the terrain
- b. Development of green belt should be initiated prior to the commencement of mining operation.
- c. Compensatory afforestation should be initiated prior to the commencement of mining.
- d. 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.
- e. 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.
- f. Gabion wall of appropriate height should be provided at the overburden dumping site.
- g. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
- h. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- i. The haulage road should be maintained well with frequent sprinkling.
- j. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
- k. Adequate energy conservation measures proposed should be implemented including solar power installations.

The Committee decided to direct the proponent to submit the following additional documents.

1. Geo-tagged photograph of the location where the compensatory afforestation is proposed to be done.
2. Consent of landowner of Re-Sy. No. 542/1 & 542/3 where OB dumping site is proposed.
3. Proposed water source for the project.
4. Details of sanitation and waste management measures to be provided at site.

Details of energy conservation measures proposed to be adopted.

**5. SIA/KL/MIN/140565/2020 , 1744/EC4/2020/SEIAA
Environmental Clearance for the Proposed Granite (Building Stone) Quarry in
Re - Sy. No. 159/447 (159/1A1) of Thinur Village, Vadakara Taluk of Kozhikode
District., Kerala for an extent of 0.9996 Ha**

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 05.06.2022. The mine life is 10 years and there are no built structures reported within the radius of 200m, though a crusher is seen located at around 90m north of BP2. The project area is located at the mid part of the flank of a hill range with a relief of about 45m and is in the moderate hazard zone with high hazard zone at a distance of 500m. The slope is moderate to steep and an abandoned quarry pit is located at S-E part of the project area. The project boundary shares with the abandoned quarry pit. The depth to water table is not ascertained due to lack of data source nearby. Based on discussions, the Committee decided to seek the following additional details.

1. Comprehensive drainage plan covering the entire project area and considering the hydrology of the micro watershed in which the proposed area falls.
2. Plan for safe removal of boulders spread over the project area.
3. Assessment of landslide vulnerability of the area
4. Plan for development of haulage road to the site.
5. Plan for compensatory afforestation incorporating the survey numbers and geo-tagged photograph of the location.

**6. SIA/KL/MIN/141299/2020 , 1854/EC6/2020/SEIAA
Application for Environmental Clearance for the Laterite Building stone quarry
of Mr.Kunhi Mohammed over an area of 0.1536 hectares in Sy No. 8/1 located in
Kuruva village under Perinthalmanna Tehsil of Malappuram District Kerala.
(FIR received)**

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 23.6.2022. The nearest house is at a distance of 30 m and a Commercial Building at 5m distance. The proponent obtained consent from the PWD dt. 10.12.2018 and the KSEB dated 1.12.2018 and two neighboring land owners and building owners. Besides the proponent submitted an affidavit stating that the land will be converted to agricultural land. The Committee appraised the proposal as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha. Based on discussions, the Committee decided to recommend EC for a period of one year with the following Specific Conditions in addition to General Conditions:

1. The activity associated with borrowing/excavation of 'brick earth' and 'ordinary earth' for the purpose of brick manufacturing, construction of roads, embankments etc. should not involve blasting
2. The borrowing/excavation activity should be restricted to a maximum depth of 2m below general ground level at the site
3. The borrowing/excavation activity should be restricted to 2m above the ground water table at the site
4. The borrowing/excavation activity should not alter the natural drainage pattern of the area
5. The borrowed/excavated pit should be restored by the project proponent for useful Purposes
6. Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap
7. Measures should be taken to prevent dust emission by covering of borrowed/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 borrowing/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 15m from any civil structure should be kept from the periphery of any excavation area.

7. SIA/KL/MIN/142553/2020 , 1686/EC3/2020/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry in Re-Survey No. 812/10-2 of Koothattukulam Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an extent of 0.1943 Ha-Field Inspection Report Received

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 15.07.2022. The nearest building is at a distance of 50.2 m and the life of mine proposed is 1 year. The Committee appraised the proposal as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha. Based on discussions, the Committee decided to recommend EC for a period of one year with the following Specific Conditions in addition to General Conditions:

1. The activity associated with borrowing/excavation of 'brick earth' and 'ordinary earth' for the purpose of brick manufacturing, construction of roads, embankments etc. should not involve blasting
2. The borrowing/excavation activity should be restricted to a maximum depth of 2m below general ground level at the site

3. The borrowing/excavation activity should be restricted to 2m above the ground water table at the site
4. The borrowing/excavation activity should not alter the natural drainage pattern of the area
5. The borrowed/excavated pit should be restored by the project proponent for useful Purposes
6. Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap
7. Measures should be taken to prevent dust emission by covering of borrowed/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 borrowing/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 15m from any civil structure should be kept from the periphery of any excavation area.
12. Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary and geotagged photographs of all the boundary pillars should be submitted prior to commencement of mining.
13. Garland drainage system covering the entire project are along with silt traps and siltation pond should be provided and it should be connected to a natural drain.

8. SIA/KL/MIN/142845/2020 , 1409/EC2/2019/SEIAA

Environmental Clearance for Granite Building Stone over an extent of 1.3990 Ha at Re Survey Nos. 355/2, 355/5 (Block No. 26) of Muthuthala Village, Pattambi Taluk, Palakkad District, Kerala((Field Inspection Report Received)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 02. 06. 2022. During the field visit, it was observed that the Magazine is located at a distance of 46.65 M from the project boundary. A crusher is also located at a distance of around 92m from the project site. The Life of Mine proposed is 10 years. The project site does not fall in moderate or high hazard zone. Buffer zone is not provided uniformly. An abandoned quarry is located in the land. Based on discussions, the committee decided to direct the proponent to submit the following additional documents:

1. Detailed plan for compensatory afforestation along with survey numbers and geo-tagged photographs of the proposed site. It should be done in a minimum of 1-acre land and 20 cents out of which should be earmarked for conserving *Santalum album* (Sandal) identified in the site.

2. Recent certified Survey Map from the village office indicating distance to houses, roads, canals and other built structures
3. Depth to water table in two or three observation wells near the site with geo-tagged photographs of the well and its distance from the project site.
4. Detailed plan for rainwater harvesting facility and the use of harvested water.

9. SIA/KL/MIN/142917/2020 , 1659/EC6/2020/SEIAA

Application for Environmental Clearance for the Building Stone Quarry project in Sy. Nos. 453/1 of Arakkuparamba Village, Perinthalmanna Taluk, Malappuram District, Kerala for an area of 0.6340 Ha by Sri.Unnikrishnan (FIR received)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report. The proposed Life of mine is 5 years for extracting 24,502 TPA of granite building stone. The depth to water table is 96m above MSL and the mine depth proposed is 105m above MSL. The Committee discussed the proposal and decided to recommend EC for a period of 5 years subject to the following Specific Conditions in addition to the General Condition:

1. 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
2. Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with 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 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 10.30am) and afternoon (3.30pm to 5 pm).
8. The haulage road 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.

10. SIA/KL/MIN/143918/2020 , 1367/EC2/2019/SEIAA

Environmental Clearance for the Proposed Granite Building Stone quarry of Mr.Kumaran. N.M at Re Sy NoS-316/4, 320/6 in Thiruvallur Village, VatakaraTaluk, Kozhikode District, and Kerala for total mine Permit area of 0.5463 Ha (Field Inspection Report Received)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 26.06.2022. The proposed Mine life is 5 years with average annual production of 21239 MT. The nearest built structure is 52.96m and hence vibrations impact due to blasting should be monitored. The project site does not fall in moderate or high hazard zone. An abandoned quarry with about 15 to 25m vertical wall is located within the project area and a waterlogged quarry pit is located on the SW side of the project site. Based on discussions, the Committee decided to seek the following additional documents/details.

- a. Boundary pillars marked with number and geo-coordinates should be fixed permanently and the geo-tagged photographs of each boundary pillar should be submitted.
- b. Plan for the compensatory afforestation along with the proposed survey numbers and geo-tagged photographs of the location.
- c. Drainage plan with the connectivity of garland canal to the nearest natural drain

11. SIA/KL/MIN/145053/2020 , 1370/EC2/2019/SEIAA

Environmental Clearance for the Proposed Granite Building Stone quarry of Mr.Shaji.N.M at Re Sy No-533/2, 3 in Thiruvallur Village, VatakaraTaluk, Kozhikode District, and Kerala for total mine Permit area of 0.3339Ha. (Field Inspection Report Received)

Decision: The Committee examined the proposal along with documents submitted and discussed the Field Inspection Report, conducted on 26.06.2022. The mine life proposed is 5 years for an average annual production of 5064 MT. The nearest built structure is at a distance of 61.2m. The project area does not fall in moderate or high hazard zone. An abandoned water-logged quarry with about 25m vertical wall is located within the project area. The Committee discussed the details and decided to recommend EC with a project period of 5 years with the following specific conditions in addition to general conditions.

1. Boundary pillars marked with number and geo-coordinates should be fixed permanently and the geo-tagged photographs of each boundary pillar should be submitted prior to the commencement of mining.
2. 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

3. Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. 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.
6. Gabion wall of appropriate height should be provided at the overburden dumping site.
7. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
8. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
9. The haulage road should be maintained well with frequent sprinkling.
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..

12. SIA/KL/MIN/146424/2020 , 1275/EC1/SEIAA/2019

Environmental Clearance for the Proposed Granite Building Stone quarry of Sri. O.A Sebastian at Re.Survey.Block No.3, Re sy 188/608, 188/431, 188/431, 188/628, 188/616,188,621,188/622,188/620 in Kodyathur Village, Kozhikode Taluk, Kozhikode District, Kerala for total mine lease area of 1.4466 Ha (Field Inspection Report Received)

Decision: The Committee examined the proposal and the documents submitted and discussed the Field Inspection Report, conducted on 05.06.2022. The life of mine proposed is 12 years with an annual average extraction of 30,000 MT. The distance to the nearest house is 56.3m. The project site does not fall in moderate or high hazard zone. An abandoned quarry with a vertical fall of about 32m height is observed. The eastern boundary of the project area shares with an old water logged quarry pit and a seasonal stream is located near the eastern margin of the project area which flows in NE – SW direction. There is a road 45m away from the BP3. A fuel filling station is located at 90m S-E of the project area. (91m from BP 1). The Committee discussed the projects in details and decided to seek the following additional documents/details.

1. Revised CER incorporating monitorable physical targets
2. Feasibility study on the diversion of the first order stream within the project area
3. Impact of the blockage of diversion of natural drain at the western margin and its mitigation measure

4. Clarification whether the road reported at the distance of 46 m from the project is public or private
5. Plan for the compensatory afforestation along with the proposed survey numbers and geo-tagged photographs of the location.
6. Drainage plan with the connectivity of garland canal to the nearest natural drain.

13. SIA/KL/MIN/149363/2020 , 1769/EC6/2020/SEIAA

Environmental Clearance for the Granite Building Stone Quarry of Sri.Sajan Mani' over an extent of 0.9709 Ha.inSy. No. 2398 of Peechi Village, Thrissur Taluk, Thrissur District, Kerala.(FIR received)

Decision: The Committee examined the proposal and documents submitted and discussed the Field Inspection Report, conducted on 17.8.2021 and 17.6.2022. The 124th meeting of the SEAC discussed the report of the field inspection conducted on 17.8.2021 and decided to direct the proponent to submit additional documents/details. The Proponent submitted the documents on 11.4.2022. The Committee verified the documents and found them satisfactory. The proponent also submitted precautionary measures to prevent the impact on the nearby factory and also a traffic plan which are also found satisfactory. The Peechi – Vazhani Wildlife Sanctuary is located at a distance of 2.52km and the Proponent has submitted copy of the application for clearance from the NBWL. The field inspection conducted on 17.8.2021 recommended rejection of the proposal without any specific reason. In the circumstance, the 129th SEAC decided to take a decision on the proposal after a revisit to the project site and accordingly entrusted a Sub Committee. The Sub Committee visited the site on 17.6.2022 and submitted a field inspection report. Based on detailed discussion, the Committee decided to reject the proposal due to the following reasons.

1. The portion of the proposed project site on the southern side of BP7, BP8 and BP9, BP1 and BP2 shows a vertical phase of height of above 50m with slope around 75°. The bottom portion of the slope is a road. Therefore, the land is very fragile in the area connecting BP7-BP8-BP9-BP1-BP2.
2. The source of water for the purpose of quarry is not found feasible.
3. There is an Ayurvedic medicine factory, reported to be owned by M/s. Vaidyaratnam Thaikkaat Mooss, is located at around 62m off BP3 which will be adversely affected by the blasting and other mining related activities.
4. It is certified by the Village Officer in the demarcation certificate that there are no houses within 50m of the project site. However, a building used as residence and proposed as camp office is seen at around 30m from the Project site.

14. SIA/KL/MIN/149660/2020 , 1682/EC1/2020/SEIAA

Environmental Clearance for the proposed Granite / Building stone Quarry in Sy.Nos.137/4-11, 137/4-11-1, 137/422, 137/4-21 in Thachanattukara-1 village, Mannarkad Taluk by Sri.Mujeeb.P.K.(Field Inspection Report Received)

Decision: The Committee examined the proposal, documents submitted and discussed the Field Inspection Report, conducted on 23.06.2022. The distance to the nearest house is 125.6m. The project life is 10 years with an average annual extraction of 40,000 MT. The proposed site does not fall in moderate or high hazard zones. Based on discussions the Committee decided to direct the proponent to submit the following additional documents/details:

1. Form 1M incorporating Revised Project Cost.
2. Revised EMP incorporating modified CER with detailed physical target based on increased project cost and also with realistic cost for environmental management and monitoring
3. Geotagged photographs of the boundary pillars showing geo-coordinates
4. Geo-tagged photograph of the location where the compensatory afforestation is proposed to be done.
5. Detailed drainage plan incorporating garland drains, silt traps, siltation pond and outflow channel and its connectivity to natural drain
6. Map showing OB dumping site
7. Details of sanitation and waste management measures required to be provided at the site
8. Details of Energy conservation measures proposed to be adopted.
9. Modified PFR based on the DSR or the District Survey Report.

15. SIA/KL/MIN/150672/2020 , 1680/EC1/2020/SEIAA

Environmental Clearance for the proposed Granite / Building stone Quarry in Sy No.142/1 in Thachanattukara-1 village, Mannarkad Taluk by Sri.Muhammed Mammunni.(Field Inspection Report Received)

Decision: The Committee examined the proposal, documents submitted and discussed the Report on the Field Inspection conducted on 23.06.2022. The proposed Mine life is 5 years with an average annual extraction of 50,000 MT. The nearest house is at a distance of 50.7m from the project site. The proposed site does not fall in moderate or high hazard zones. Based on discussions the Committee decided to direct the proponent to submit the following additional documents/details:

1. Form 1M incorporating Revised Project Cost.
2. Revised EMP incorporating modified CER with detailed physical target based on increased project cost
3. Geo-tagged photograph of the location where the compensatory afforestation is proposed to be done.

4. Detailed drainage plan incorporating garland drains, silt traps, siltation pond and outflow channel and its connectivity to natural drain
5. Adequate sanitation, waste management and rest room facilities should be provided to the workers
6. Details of Energy conservation measures proposed to be adopted
7. Modified PFR based on the DSR or the District Survey Report

16. SIA/KL/MIN/153085/2020 , 1777/EC1/2020/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Block no.83, ReSurvey No: 66 of Ambalappara -II and Block No.80, ReSy.No:287/17 of Ambalappara-I village in Ottappalam Taluk, Palakkad District, Kerala by P. K. Abdul Khader M/s Fathima Granites (Field Inspection Report Received)

Decision: The Committee examined the proposal, documents submitted and discussed the Report on the Field Inspection conducted on 04.06.2022. The proposed mine life is 5 years with an average annual production of 26,000 MT. The project site is located adjacent to moderate and high hazard zones at a distance of 1.90m and 18.2m respectively. The nearest house is 177.8m away from the project site. The Committee observed that as per the 122 SEAC minutes, some documents were asked as ADS, but it is not been submitted so far. In this circumstances, the Committee decided to direct the proponent to submit the following additional documents:

1. Revised project cost as per norms
2. Revised CER activities in physical terms to be undertaken by the proponent in consultation with the stakeholders as stipulated in the OM No.22- 65/2017-IA.III dated 30/09/2020 and OM No. 22-65/2017-IA.III dated 20/10/2020 of the MoEF&CC, GOI instead of allocation of funds under CER.
3. Revised EMP considering the spot specific mitigation measures required and also incorporating the revised CER
4. Revised biodiversity assessment with quantification separately for the core and buffer areas.
5. Biodiversity summary in tabular form
6. Legible and recent certified survey map showing distance to residential/public buildings, inhabited sites, canals, roads, electric lines, mobile towers, religious places etc., within 200 m. radius of the lease boundary.
7. Detailed water level measurement data of nearby open wells with geo coordinates
8. Recent cluster certificate
9. Detailed Compensatory afforestation plan with survey numbers of the area proposed and geo-tagged photographs of the location
10. Map showing OB dumping site

11. Detailed drainage map covering the entire project area incorporating the garland canal, silt traps, siltation tanks, outflow channel and connectivity to the nearest natural drain
12. Hazard Zonation Map overlaid on the map of proposed project site map

17. SIA/KL/MIN/158114/2020 , 1801/EC6/2020/SEIAA

Environmental Clearance for Granite Building Stone Quarry project in Re Survey Nos.82/1-20 in Puzhakkattiri Village, Perinthalmanna Taluk, Malappuram District, Kerala by Sri.MohammedShareef (FIR received)

Decision: The Committee examined the proposal, documents submitted and discussed the Field Inspection Report, conducted on 23.6.2022. The life of mine is 5 years with an average annual production of 21500 MT. The nearest house is at 249m away and the site does not fall in moderate or high hazard zone. It is observed that the existing old quarry cut across the drainage line of a milli-watershed. The upper slope region of the site is very steep and the slope above the proposed site is also very steep. The land stability within and upper slope region of the terrain is very fragile. Considering the land vulnerability of the upper slope region located in continuity of the project site and the obstruction to the first order drainage through the proposed project area, the Committee observed that it is not desirable to consider the project for environmental clearance from the point of view of Precautionary Principle. The Committee, therefore, decided to recommend the rejection of the proposal.

18. SIA/KL/MIN/159168/2020 , 1752/EC1/2020/SEIAA

Environmental Clearance for the proposed granite building stone quarry in Re-Sy. No.492/3, Block No.19 of Thiruvegappura Village, Pattambi Taluk, Palakkad District for an area of 0.4177 Ha by President, OTTAPPALAM TALUK KARINKAL QUARRY , OPERATORS INDUSTRIAL CO-OPERATIVE SOCIETY LIMITED (Field Inspection Report Received)

Decision: The Committee examined the proposal, verified the documents submitted and discussed the Field Inspection Report, conducted on 04.6.2022. The proposed life of mine is 3 years with an average annual production of 15788 MT. The distance to the nearest house is 107.2m from BP11. The project area does not fall in the moderate or high hazard zone. Based on discussions, the Committee decided to recommend EC for a period of 3 Years subject to the following specific condition in addition to the general conditions.

1. 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 (HYCR)
2. Development of green belt to be initiated prior to the commencement of mining operation and its maintenance status should be included in the HYCR.
3. Compensatory afforestation to be initiated prior to the commencement of mining.

4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. 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. OB dumping area should be located in the lower area (near to BP6) with retaining wall of appropriate height.
7. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
8. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
9. The haulage road should be developed and maintained well with frequent sprinkling.
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.

19. SIA/KL/MIN/159437/2020, 1766/EC6/2020/SEIAA

Environmental Clearance for the Granite building stone quarry project in Sy No-1012/99, 1012/98, 1012/81 Melmuri Village, Ernad Taluk, Malappuram District, Kerala for an area of 1.7283 Ha. By Shri. Mohammed Nishad, P.P, M/s.Abbas Mines (FIR received)

Decision: The Committee examined the proposal, documents submitted and discussed the Field Inspection Report, conducted on 23.6.2022. The proposed life of mine is 10 years with an average annual extraction of 53,000MT. There are no houses within 200m and the nearest built structure is at a distance more than 50m. The Committee observed that the soil thickness is relatively high and slope is moderate. The haulage road needs development. The proposed project site is under healthy vegetation. The Committee noted the requirement of the following additional documents/details.

1. Hazard zonation map super-imposed over the map of the project area.
2. Detailed drainage plan including garland canal, silt traps, siltation pond, overflow channel and connectivity to the natural drain
3. Boundary pillars should be marked with geo-coordinates and fixed firmly using concrete
4. Landslide vulnerability considering the thickness of overburden, drainage density, slope and vegetation.

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

20. SIA/KL/MIN/161967/2020, 1747/EC1/2020/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re-Survey Nos. 98/2-1, 98/1, 98/1-1 in Nellanad Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala by Sri. Abdul Nazar A (Field Inspection Report Received)

Decision: The Committee examined the proposal and documents submitted and discussed the Field Inspection Report conducted on 24.7.2022. The proposed life of mine is 5 years with an average annual production of 32,040 MT. The nearest built structure (a Shed) is at a distance of 59.10 m and the nearest house is at a distance of 79 m from the proposed site. There are 23 houses within a radius of 200 m of the project site. The project site does not fall in moderate or high hazard zones. The general slope is steep to very steep. Based on discussions, the Committee decided to direct the proponent to submit the following additional documents/details.

1. Location of OB dump site, at the lower part of the land, at the level land owned by the proponent, and location should be demarcated in the site plan and submitted.
2. Proposal for providing side protection measures for the OB dump.
3. Method for removal of existing massive open boulders, inside and at buffer zone area, preferably using method like diamond wire saw cutting / manual cutting.
4. Proposal for providing an additional water holding pond/ retention pond of adequate size at the lower part of land owned by the proponent for holding drainage water from the project area, for ensuring discharge of clear water through the habitation area situated at the lower part of project area and for ensuring discharge of clear water through the drains in the side public road.
5. Proposal for compensatory afforestation with local species trees, in the available land owned by the proponent, preferably in the lower part of land. The survey numbers of the land along with geotagged photographs of the site where compensatory afforestation is proposed should be included in the proposal.
6. Plan for development of approach road, with a minimum width of 7 m, preferably from the lower side of the project area.
7. Landslide vulnerability considering the thickness of overburden, drainage density, slope and vegetation.

21. SIA/KL/MIN/162661/2020, 1748/EC1/2020/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry 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 by M.R Jayasree, Managing Partner of M/s Saroj Realtors and Builders (Field Inspection Report Received)

Decision: The Committee examined the proposal and documents submitted and discussed the Field Inspection Report, conducted on 24.7.2022. The proposed life of mine is 10 years with an average annual production of 60,000 MT. The nearest built structure (shed owned by the proponent) is at 24 m and the nearest house is at 219 m. There are no houses within the radius of 200m. The project site does not fall in moderate or high hazard zones and the Neyyar Wildlife Sanctuary is reported to be at a distance of 10.5 km. There is also a canal of Neyyar Irrigation Project at a distance of 53m. Based on discussions, the Committee decided to direct the proponent to submit the following additional documents/details.

1. Proposal for relocating the OB Dump site with side protection gabion walls and map showing the location.
2. Proposal for providing one additional settling pond at the lower location.
3. Proposal for compensatory afforestation with local species trees, in the available land around the quarry site along with survey numbers of the land and geo-tagged photographs of the proposed site.
4. Proof of demolition of the shed owned by the Proponent situated within 24 m
5. Plan for development of approach road, with width not less than 7 m.
6. Certified survey map showing the distance to the irrigation canal and other built structures within 200m radius.
7. Letter from the DFO or Wildlife Warded regarding the distance to the Neyyar Wildlife Sanctuary from the proposed site..

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

Environmental Clearance for the Granite Building Stone Quarry Owned by Shaukathali A.K. situated in Pullippadam Village, Nilambur Taluk, Malappuram District, and Kerala for an area of 1.3230 hectares. (FIR received)

Decision: The Committee examined the proposal and documents submitted and discussed the Field Inspection Report, conducted on 22.6.2022. The proposed life of mine is 10 years with an average annual production of 33,600MT. The project area does not fall in a moderate or high hazard zone. The nearest house is located at a distance of 295m, but a shed used for rubber processing is located at a distance of 65m. Based on discussions, the Committee decided to direct the proponent to submit the following additional documents:

1. Revised Project Cost
2. Revised CER with increased physical target.
3. Geo-tagged photograph of the location where the compensatory afforestation is proposed to be done

23. SIA/KL/MIN/164458/2020, 1847/EC1/2020/SEIAA

Granite Building Stone Quarry of Vijayan R, Veena Sadanam, Kattuputhussery, Pallikal (p.o), Thiruvananthapuram, Kerala in an extent of 0.3900 Ha (39.00Areas)

in Pallikkal Village, Varkala Taluk, Thiruvananthapuram (Field Inspection Report Received)

Decision: The Committee examined the proposal and the documents submitted and discussed the Field Inspection Report, conducted on 20.6.2022. The proposed life of mine is 5 years with an average annual production of 18,722 MT. The nearest building is located at a distance of 55.5m which is claimed to be the office of the proposed project. The Committee observed the following.

- The project site is located on the eastern fringe of an elongated ridge of about 1.2 km with a maximum height of about 105m above MSL with a general ground level relief of about 65m above MSL.
- There are about 5 abandoned quarries on the south- western side of the ridge distributed all along.
- There are many rock outcrops and plenty of boulders within the project site. This will have to be removed carefully prior to the commencement of mining
- A large boulder on top of an elevated outcrop is found located near BP6 and BP7 which is situated dangerously. It is possible that the boulder may get displaced due to land disturbances consequent to blasting.
- An abandoned quarry with harvested rainwater located about 200m east of the proposed site, reported to be owned by Mr. Sanathanan Pillai, is left without any environmental safeguards.

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

1. Geo-tagged photograph of the location where the compensatory afforestation is proposed to be done.
2. Consent of landowner of the location where OB dumping site is proposed.
3. Proposed plan and methodology for removal of the boulders distributed within the proposed site and the large boulder just outside the project boundary.
4. Detailed drainage map.
5. Biodiversity Assessment Report as it is not found uploaded.
6. District Survey Report as it is not found uploaded.

24. SIA/KL/MIN/166718/2020, 1866/EC6/2020/SEIAA

Application for Environmental Clearance for the Granite Building Stone Quarry of Khaja Hussain. K. K at Re Survey No: 26/9-277, 26/9-278, 26/9-102, 26/9- 103,, Re survey Block No: 2 in Thazhekkode Village, Perinthalmanna Taluk, Malappuram District, and Kerala for an area of 4.8127 hectares.(FIR received)

Decision: The Committee examined the proposal and documents and discussed the Field Inspection Report, conducted on 23.6.2022. The proposed mine life is 34 years and the annual average production is 1 lakh MT. The project area, mostly, fall in the moderate hazard zone. The nearest house is located at a distance of more than 200m. The Committee observed the following aspects.

1. The site is located on the upper slope region of the southwest side slope of a ridge connecting Kodikuthu mala (455m above MSL), Mannarmala (540m above MSL) and Panambi hills (495m above MSL). The side slope is steep to very steep and the project is located at a distance of about 180m downslope from the ridge top (420m above MSL).
2. The slope is very steep south of BP1-BP2-BP4.
3. The mining activity in the proposed site, located dominantly in the medium hazard zone, may convert the site to a high hazard zone
4. The road is very narrow and rugged with sharp turns and cut across many first, second and third order drains.
5. The maximum depth of mine proposed is 25m bgl which generates a large waterbody with a maximum depth of 25m in the upper slope region of a ridge with high relative relief which will be serious implications to the lower slope region as well as the habitation in the lower slope and valley portion of the area.
6. There may be possible impact of appreciable to significant level on the hydrological and hydrogeological aspects as well as on land stability including landslide proneness.
7. The hill complex in which the project site falls seems to be fragile.

Considering the land vulnerability of the lower slope region located in continuity of the project site located in the moderate hazard zone, it is not desirable to consider the project for environmental clearance from the point of view of Precautionary Principle. Accordingly, the Committee decided to recommend rejection of the proposal for environmental clearance.

25. SIA/KL/MIN/172346/2020, 1826/EC3/2020/SEIAA

Application for Environmental Clearance for the Ordinary Earth of Mr.Naushad T M, Chemmalakkudy Thachayil House,Vengola P O, Ernakulam Dist. At Re-Sy.No: 441/7-3,441/7-4,441/7-5-2,Block No :22 in Arakkappady Village, Kunnathunad Taluk, Ernakulam District, Kerala State)Field Inspection Report Received)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 15.07.2022. There about 43 buildings within 100m distance from the project site with three buildings extremely close to the proposed site at 4.1m near BP4, 14.6m near BP5 and 12m between BP7 & BP8. The life of mine proposed is 1 year. The Committee noted the report that ordinary earth had been removed from all the three sides of the proposed site. The Committee appraised the proposal as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha. Based on discussions, the Committee

decided to recommend EC for a period of one year with the following Specific Conditions in addition to General Conditions:

1. The activity associated with borrowing/excavation of 'brick earth' and 'ordinary earth' for the purpose of brick manufacturing, construction of roads, embankments etc. should not involve blasting
2. The borrowing/excavation activity should be restricted to a maximum depth of 2m below general ground level at the site
3. The borrowing/excavation activity should be restricted to 2m above the ground water table at the site
4. The borrowing/excavation activity should not alter the natural drainage pattern of the area
5. The borrowed/excavated pit should be restored by the project proponent for useful purposes
6. Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap
7. Measures should be taken to prevent dust emission by covering of borrowed/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 borrowing/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 15m from any civil structure should be kept from the periphery of any excavation area.
12. Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary and geotagged photographs of all the boundary pillars should be submitted prior to commencement of mining.
13. Garland drainage system covering the entire project area along with silt traps and siltation pond should be provided and it should be connected to a natural drain.

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

Granite Building Stone Quarry Project of Mr.EldhoIssac over an extent of 4.7023 Ha in Survey. No. 208/1 of Alanallur- III Village, MannarkkadTaluk, Palakkad District

Decision: As invited, the proponent Sri. Eldho Issac and the Consultant Dr. C. Jayaprakash representing M/s. Overseas Min-Tech Consultants Pvt Ltd. were present. The proposed life of mine is 16 years with an average annual production of one lakh tone. The nearest house is at 122m from the project site. The project was issued ToR on 12.11.2020 and the Public Hearing was conducted on 26.11.2021. The Consultant presented the salient aspects of the EIA report, EMP and response to the comments in the Public Hearing proceedings. The site is more than 1

km away from the moderate hazard zone and 2 km away from the high hazard zone. The Committee heard the presentation and observed the following:

1. It is informed that the application for Wildlife Clearance to NBWL is submitted. But the proof of the application is not found submitted.
2. The annual production details are not found satisfactory.
3. The Project cost and the cost earmarked for the EMP need revision
4. The CER is not clearly defined with physical targets and requires revisiting and revision.
5. While revising the CER proposal, priority should be given to the tribal colony situated 1.25 km from the proposed site based on their detailed need assessment.
6. A statement of compliance to the ToR indicating the page in which the details pertaining to the specific ToR is dealt with in the EIA report should be submitted.

The Committee decided to entrust Dr. K.N. Krishnakumar and Dr. K. Vasudevan Pillai for the evaluation of the EIA report and EMP submitted, and field inspection and report.

PART 3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/139395/2020, 1703/EC3/2020/SEIAA

Environment Clearance for mining lease of “Granite Building Stone Quarry of M/s. St. Augustine’s Granites” over an extent of 3.6352 Ha. (8.9825 Acres) ReSy. Block No. 28, Re-Sy. Nos. 101/3, 102/4-2, 102/5, 102/5-1, 102/6, 102/7, 102/8, 179/1, 179/1-1, 179/3-1, 179/3-2, 179/3-3, Ramapuram Village, Meenachil Taluk, Kottayam District, Kerala

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 28.07.2022. The proposed mine life is 13 years with an average annual production of 1,49,245 MT. The distance to the nearest house is 86m and the site does not fall in moderate or high hazard zone. The dept to water table is 72m above MSL and the mine void is 59m above MSL. The Committee discussed various aspects of the project and decided to recommend EC for a period of 13 years subject to the following Specific Conditions in addition to the General Conditions:

1. Depth of mining should be restricted considering the depth to groundwater table, i.e., 72m above MSL.

2. 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 (HYCR)
3. Buffer zones should be demarcated and green belt development initiated prior to the commencement of mining operation and its maintenance status should be included in the HYCR.
4. Compensatory afforestation with indigenous plants, climbers and herbs, as mentioned in the biodiversity assessment report should be initiated prior to the commencement of mining. The survey numbers of the plot and geo-tagged photographs of the site where afforestation is done should be submitted.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. 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.
7. Gabion wall of appropriate height should be provided at the overburden dumping site.
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. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
10. The haulage road should be developed and maintained well with frequent sprinkling.
11. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
12. Adequate energy conservation measures proposed should be implemented including solar power installations.
13. Environment Management Cell (EMC) should include one environmental science subject expert.

**2. SIA/KL/MIN/140563/2020, 1818/EC3/2020/SEIAA
Environmental Clearance for the Granite Building Stone Quarry of Reji M Kuriakose in Re Block No. 27 Sy. No. 419/2, 419/3, 419/6-4, 419/6, 419/6-2, 419/6-3, 420/1-2, 420/1-3-2, 420/3, 420/4, 421/3 Pattimattom Village, Kunnathunadu Taluk, Ernakulam over an area of 2.7340 Ha at Kummanodu, Kunnathunadu, Ernakulam –(Field Inspection Report received)**

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 15.07.2022. The life of mine proposed is 6 years with an average annual production of 89,612 MT. The distance to nearest house is 53.6m and the depth to water table is 15m above MSL. The site does not fall in moderate or high hazard zone.

The project is an expansion of an old quarry pit where mining was done without benches. The new project will improve the slope stability scenario. It is also observed that the desirable site for OB dump is near to BP 12. The green belt cannot be developed in the buffer zone between BP 14 & BP 15 and therefore, compensatory afforestation is necessary. The Committee decided to direct the proponent to submit the following additional documents:

1. Modified CER incorporating monitorable physical targets as per norms
2. Plan and sketch for the OB dump site
3. Drainage map showing garland canal, silt traps, siltation ponds, outflow channel and connectivity to natural drain.
4. Latest certified Survey Map
5. Compensatory afforestation plan along with the survey numbers and other location details of the proposed site including geo-tagged photographs
6. Certified Compliance Report from IRO, Bangalore.
7. The proposed plan is to extract mineral from part of the old quarry adjacent to the road that is left without adequate protection (only fencing is provided). There for rectification proposal for that portion the abandoned mine & also appropriate safeguard for the portion with suggestion is to be provided.
8. KML file with boundary pillars.

**3. SIA/KL/MIN/143579/2020, 1831/EC1/2020/SEIAA
Proposed Granite (Building Stone) Quarry of Shri. Muhammed Abdul Basheer in
Sy. No. 5/7, 6/1B1 of Pattithara Village, Pattambi Taluk of Palakkad District.,
Kerala (study report received)**

Decision: The Committee examined the proposal and discussed the study report. The Life of mine is 3 years with an annual average production of 12,955 MT. The project site does not fall in moderate or high hazard zones. There seems to be two built structures at around 50m as seen from the google images. The distance to the nearest built structures and depth to water table have to be ascertained. Based on the study report, the Committee observed the following.

1. Project site is an extension of an abandoned water-logged quarry. Another water-logged portion, probably an abandoned quarry, is found just downstream.
2. There is possibility that the impounded water breaches or overflows, especially during rainy season, which may create problem to the traffic in the Palakkad-Ponnani Road, if not channelized appropriately
3. The maximum elevation at the project site is 58m, immediate water body is 41m, next water body is 37m and the Palakkad – Ponnani road is 34m, all above MSL.
4. There are two built structures, one on the south of P2 and the other on the west of P2 which seems to be a crusher and a shed respectively and the distance to which seems to be less than 50m.

5. The survey map is not legible to precisely assess the distance to built structures.

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

- Geo-tagged photograph of the location with geo-coordinates where the compensatory afforestation is proposed to be done
- Geo-tagged photographs of the boundary pillars
- Legible certified survey map indicating distance to all the built structures within 200m including houses, sheds, crushers, roads, canals, KSEB lines, etc.
- Detailed drainage map indicating the plan for draining out the overland flow and the overflow from the impounded water to a natural drain with adequate carrying capacity so as to prevent any breach and consequent accidents.
- Geo-tagged photographs of observation wells in or near to the site along with depth to the water table

After obtaining the above documents and its verification, the proponent may be invited for presentation.

After the submission of the above documents and presentation, the Committee will consider the following recommendations in the Study Report.

1. Limiting mining to a maximum depth of 30m above MSL
2. Initiating greenbelt development prior to the commencement of mining operation
3. Initiating compensatory afforestation prior to the commencement of mining.
4. Provisioning drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting a natural prior to the commencement of mining
5. Need for periodical desiltation Garland drain, silt-traps, siltation ponds and outflow channel and necessity of including geo-tagged photographs of the process in the compliance report
6. Provision of retention wall of appropriate height for overburden dumping site
7. Implementation of CER Plan during the first year itself and its operation and maintenance till the implementation of mine closure plan.
8. Regulating the time of transportation of mined material during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
9. Maintenance of the haulage road with frequent sprinkling of water
10. Provision of adequate sanitation, waste management and rest room facilities for the workers
11. Provision of adequate energy conservation measures including solar power installations

4. SIA/KL/MIN/161069/2020, 1799/EC6/2020/SEIAA

Application for Environmental Clearance for the Granite Building Stone Quarry Of Mr.Abdul Rasack.P in Survey No:95/9-3, 95/7-4 In Mankada Village, Perinthalmanna Taluk, Malappuram District, Kerala (FIR received)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 23.6.2022. The life of mine is 12 years with an average annual production of 76,413 MT. The dept to water table in a well near to the site is 10m bgl. The nearest house is located at a distance of 218m. There are two crushers in the vicinity, one at a distance of 73m and the other at a distance of 81m from BP2. The blasting of the quarry will have to be regulated considering the crusher operation. Considering the depth to water table, mining will have to be limited at 60m above MSL, thereby the mine life will reduce to 11 years. There Based on discussions, the Committee decided to direct the proponent to submit the following additional documents/details:

1. Revised Project Cost
2. Revised EMP with modified CER with improved physical target
3. Geo-tagged photograph of the location where the compensatory afforestation is proposed to be done.
4. Proof of implementation of the mine closure plan including protection of the abandoned quarry with strong fencing all around.

**5. SIA/KL/MIN/164009/2020, 1372/EC2/2019/SEIAA
Environmental Clearance – Building Stone Mine” Quarry Project situated at Re
Survey Nos. 205/3, 205/5, 199/3, 199/8, 199/7, 199/7-1, 199/9, 199/6-1, 198/1, 198/2,
197/1, 198/5, 198/5-6, 198/4, 207/1, 198/3, 206/2, 206, 206/4, 206/1, 206/3 of
Kanjirappally Village & Panchayat, Kanjirappally Taluk, Kottayam District,
Kerala for an area of 4.9231 Ha - Evaluation report**

Decision: The Committee examined the proposal, verified the documents and discussed the evaluation report of the EIA study, Public Hearing details and revised EMP incorporating the specific CER activities in physical terms. Accordingly, the Committee decided to direct the proponent to submit clarification/documents/reports on the following:

1. Most of the maps/figures provided in the report are not legible. For example, Surface cum geological plan, topographical contour map, drainage plan, conceptual plan, land use map, map showing the groundwater level etc.
2. No map showing the location of sampling data points for stream water is given. It is noted that only one sample has been taken for analysis.
3. Issues relating to mine safety in terms of slope stability, blasting study, safeguard measures are not dealt with in detail
4. As per ToR, the study area will comprise a 10 km zone around the mine lease from lease periphery and the data contained in the EIA, such as waste generation, should be for the life of the mine / lease period, which is not addressed properly.

5. As per ToR, land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given. This need to be re-addressed
6. As per ToR, a study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted. Since there is forest patch within 10km, this point needs to be addressed
7. As per ToR, One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given. This need to be examined for compliance.
8. As per ToR, air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map. This is not found complied with.
9. As per ToR, the water requirement for the project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the project should be indicated.
10. It is stated in the report that a study on ground water contouring of the core zone and 1 km surrounding the core zone was carried out and based on which, the depth of mine is decided. However, the details of such a study are not found in the report. The hydrogeology of the core and buffer zone has to be addressed in detail.
11. As per ToR, information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same. This is not found complied with.
12. As per ToR, a time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame)

and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution. This need to be relooked and also a detailed compensatory afforestation plan worked out.

13. As per ToR, impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines. This needs a re-look. For example, a traffic study is conducted and traffic volume estimated. It is then stated that the above traffic volume is within carrying capacity of road as per Indian Road Congress (IRC) standards. This need to be explained for clarity of the findings.
14. As per ToR, details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report. But no details are provided.
15. As per ToR, 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. But no details are provided. The map provided is not legible.
16. As per ToR, Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations. This is not found complied with.
17. As per ToR, Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project. Adequate budgetary provisions are not found provided.
18. As per ToR, details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given. Though it is stated that it is uploaded, it is not downloadable.
19. As per ToR, A Disaster management Plan shall be prepared and included in the EIA/EMP Report. It is not found provided as an operational plan.
20. The sampling points for air quality measurements are not in alignment with the wind rose diagram.
21. Most of the complaints are pertaining to vibration impact and consequent apprehensions. Therefore, it is desirable to have a detailed study on the vibration impact due to blasting by engaging a reputed national institution such as the NIRM.

6. SIA/KL/MIN/165695/2020, 1968/EC3/2022/SEIAA

Environmental Clearance for the building stone quarry at Re-Survey No. 193/5/2,180/4/1,180/4/2,180/4/3,Block No.17 of Mookkannoor Village, Aluva Taluk, Ernakulam District, Kerala for an Area of 0.9996 Ha

Decision: The Committee examined the proposal and verified the documents. It is found that the cluster certificate produced is of the year 2018 and therefore, a recent cluster certificate is necessary. Similarly, it is also necessary to produce a Certified Survey Map showing the built structures within 200 m radius of the project site. Based on discussion, the Committee decided to entrust Dr. Ajithkumar & Dr. R. Ajayakumar Varma for field inspection & report.

7. SIA/KL/MIN/167340/2020, 1860/EC1/2020/SEIAA

Environmental Clearance for the building stone quarry M r Shibin William Varghese at Re. Survey No.175/4,171/5,6,7,172/1/1, Block No:32 of Koodal Village, Konni Taluk, Pathanamthitta District, Kerala

Decision: The Committee examined the proposal and verified the documents submitted. The proposed life of mine is 5 years. It is found that the cluster certificate produced is of the year 2018 and therefore, a recent cluster certificate is necessary. Similarly, it is desirable to produce a Certified Survey Map showing the built structures within 200 m radius of the project site. It is also noted that the KML file is not uploaded properly. The Committee directed the proponent to submit the above additional documents/details immediately. The Committee also entrusted Dr. Mahesh Mohan and Smt. Beena Govindan for field inspection and report.

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

Environmental Clearance for the proposed Granite Building Stone Quarry (0.9905 Ha), 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. The certified survey map uploaded is not legible and KML file is not uploaded properly. Therefore, the Proponent has to upload the KML file properly and submit a recent certified Survey Map showing all the built structures including houses, roads, canals, electrical & telecommunication installations etc., within 200 m radius. The Committee decided to entrust Dr. K.N. Krishnakumar and Dr. K. Vasudevan Pillai for field inspection and report.

9. 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 found that the following documents are not properly submitted along with the application. Hence the Committee decided to direct the proponent to submit the following:

1. Recent test result of water & noise quality from NABL accredited lab.
2. Revised CER with consent from the beneficiary incorporated in the EMP.

10. SIA/KL/MIN/193307/2021, 1966/EC3/2022/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of SHIBU E A in Re - Sy. No. 351/5-2 of Edakkattuvayal Village, Kanayannoor Taluk of Ernakulam District., Kerala for an extent of 0. 1924 Ha

Decision: The Committee examined the proposal and verified the documents. Many of the details to be filled in Form 2 of Parivesh system is left blank. The KML file is not uploaded properly and hence the location is not visible in the imagery. There are built structures such as houses and roads located close to the project site. Based on discussions, the Committee decided to direct the proponent to submit the following documents.

1. Details that were not provided in Form 2 of the Parivesh system
2. Recent and legible certified Survey Map showing all the built structures such as houses, roads, canals, electrical and tele-communication installations etc. within 200 m radius.
3. Detailed drainage map connecting to the nearest natural drain.
4. Upload the KML file of the project site along with boundary pillar numbers

11. 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.

Decision: The Committee examined the proposal and verified the documents and decided to direct the proponent to submit the following additional documents:

- a. Revised EMP incorporating CER
- b. Recent legible survey map with all built structures within 100m radius.
- c. Upload the KML file of the project site along with boundary pillar numbers.

12. SIA/KL/MIN/229459/2021, 1948/EC4/2022/SEIAA

Environmental Clearance for Laterite Building Stone Quarry project of Mr.SubairChakkingal at ReSyNo: 19/514, 19/515 Koodathai -Village, Tamarassery - Taluk, Kozhikode- District, Kerala over an area of 0.668617 Ha (Field Inspection Report Received)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 25.06.2022. The project life is 3 years. Distance to nearest house is at 198.0 m and the site does not fall in moderate or high hazard zone. The area is located on the top of a lateritic plateau and two abandoned laterite excavated pits are seen on either side of the project area. The top soil and 4 to 5 layers of laterite bricks have already been extracted (without permit). The over burden at present is sparse due to the earlier mining activity. Based on discussions, the Committee decided to direct the proponent to submit the following additional documents

1. It is seen that mining has already been commenced without permit and hence explanation for carrying out mining without obtaining environmental clearance should be submitted
2. Revised drainage plan covering the entire project site and connecting to the nearest natural drainage.
3. Upload the KML file of the project site along with boundary pillar numbers.

13. SIA/KL/MIN/229588/2021, 1928/EC4/SEIAA/2021

Environmental Clearance for Laterite building stone quarry project of Mr.Mirshad. C.K at Re-survey.No: 35/153 of Puthoor -Village, Tamarassery - Taluk, Kozhikode District, Kerala over an area of 0.3875 Ha (Field Inspection Report Received)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 26.06.2022. The mine life is 3 years. The distance to nearest house is at 165.42m and the site does not fall in moderate or high hazard zones. The area is located on the top of a lateritic plateau and two abandoned laterite excavated pits are seen on either side of the project area. Based on discussions, the Committee decided to direct the proponent to submit the following additional documents

1. It is seen that mining has already been commenced without permit and hence explanation for carrying out mining without obtaining environmental clearance should be submitted
2. Revised drainage plan covering the entire project site and connecting to the nearest natural drainage.
3. Upload the KML file of the project site along with boundary pillar numbers

14. SIA/KL/MIN/262486/2022, 1962/EC1/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr.Manikandan P. V, over an extent of 0.7575 Ha, Survey No-65 in Anakkara Village, Pattambi Taluk, Palakkad District, Kerala.(Field inspection report received)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 15.07.2022. The mine life is 2 years with an average annual production of 39769 MT. The distance to the nearest house is 51.2 m and the site does not fall in

moderate or high hazard zone. A working laterite quarry is adjacent to this quarry site and all the 3 sides already excavated. The Committee decided to invite the proponent for presentation along with drainage map for the site.

15. 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 verified the documents. The site does not fall in moderate or high hazard zones. A building is found to be located within a distance of 35m as shown in the Survey Map. The Committee decided to invite the Proponent for presentation along with the following additional documents:

- a. Geo- coordinates of nearest well and depth to groundwater table.
- b. Clarification on the building at 35m in the survey map.
- c. Detailed drainage plan.
- d. Proof of application submitted to NBWL.
- e. Revised EMP incorporating site specific requirements and providing adequate fund.

16. SIA/KL/MIN/269882/2022, 1292/EC2/2019/SEIAA

Environmental Clearance for the proposed Building Stone Quarry Project in Re.Survey No. 236/3,237/1&238/2 in Thirumeni Village, Payyannur Taluk, Kannur District, Kerala State .by Mr.Narikkadan Dasan (Physical to Online File) (Complaint + Reconsideration letter received)

Decision: The Committee noted the decision in the 115th meeting of the Authority and perused the proposal along with the field inspection report and a petition filed by the Anti-Quarry Action Committee of the Kannur District and discussed the decisions of various SEAC meetings held on different dates. The Authority observed that “there is an abandoned quarry in the high hazard zone and harvesting of water in the abandoned quarry is not desirable for any quarry operation in the immediate down slope. Moreover, the terrain slope is very steep to moderately steep and about 75% of the proposed project site is in Medium Hazard Zone as per the landslide susceptibility map prepared by KSDMA. The mining activity will lead to a quarry pond of about 10m depth in a terrain with steep slope, which is not admissible”.

The Authority in its 115th meeting refer back the project to SEAC for a definite recommendation after getting a definite report from District Collector Kannur who is also the Chairman of District Disaster Management Authority. The Committee noted the decision of the SEIAA and concurred with the decision.

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

Environmental Clearance for the proposed Ordinary Earth Removal project of Serene Scaria over an area of 0.4947 Ha in survey no.473/1,473/1-1 of Velloor Village ,VaikomTaluk, Kottayam- (Physical to Online File)

Decision: The Committee decided to adhere to the decision No. 126.28 taken in its 126th meeting.

18. SIA/KL/MIN/272047/2022, 1216/EC2/2019/SEIAA]

Environmental Clearance for the Proposed Granite (Building Stone) Quarry with permit at Re Survey No. 151/1 in Pulpatta Village, Ernad Taluk, Malappuram District, and Kerala for an extent of 0.5996 Ha by Sri.Ajayyan P.V (Physical to Online)

Decision: The Committee decided to adhere to the decision No. 126.45 taken in its 126th meeting.

19. SIA/KL/MIN/272314/2022, 1339/EC2/2019/SEIAA

Environmental Clearance for the proposed Granite Building Stone Quarry of B & B Granites at Survey No. 911 and 912 in Thekkumkara Village, Thalappilly Taluk, Thrissur District, Kerala (Refer back from 115th SEIAA)

Decision: The Committee observed the decision of 115th meeting of the SEIAA. The Authority noted that the 126th SEAC meeting of the SEAC recommended EC for 5 years, subject to the production of a certificate from the DFO, Thrissur indicating the distance from the proposed site to the Peechi-Vazhani Wildlife Sanctuary and the Wildlife Clearance from NBWL, if the project area is located within less than 10 km from Peechi-Vazhani Wildlife Sanctuary. Since, there is vagueness on the distance to the project site from the Peechi-Vazhani Wildlife Sanctuary, the Authority decided to refer the case back to SEAC for definite recommendation, whether the project attracts Wildlife Clearance or not as the EC conditions are quite different in such cases.

The Committee noted the decision of SEIAA and decided to direct the proponent to submit the distance from the project site to the Peechi – Vazhani WLS as certified by the DFO, Thrissur or the Wildlife Warden or submit the copy of the application submitted to the National Board of Wildlife (NBWL) for wildlife clearance.

20. SIA/KL/MIN/283714/2022, 2203/EC2/2019/SEIAA

Environmental Clearance for the Ordinary earth mining project of Mr.Salu Paul at Re-Survey No.400/4 in Arackappady Village, Kunnathunad Taluk, Ernakulam District, Kerala State for an extent of 0.9713 Ha - (Physical to Online File)

Decision: The Committee decided to adhere to the decision No. 129.09 taken in its 129th meeting.

21. SIA/KL/MIN/44927/2019, 1210(A)/EC2/2019/SEIAA

Environmental Clearance for Expansion of Existing Masonry Stone Mine (Quarry) project of M/s H & P Granites for an area of 9.0681 ha. at Kummil Village, Kottarakkara Taluk, Kollam District, Kerala (Report received)

Decision: The Committee observed the decision of 114th SEIAA meeting. In the 114th meeting, SEIAA noticed that the Project Proponent has submitted an application for the expansion of their mining project. Part of the proposed quarry has already obtained an EC from SEIAA, Kerala in 2017 and has validity till 2023 (after Covid 19 relaxation). As per the Field Inspection Report, the life of mine is 22 years. SEAC has recommended the EC for five years only without giving specific recommendation on Project life. Authority decided to refer the proposal back to SEAC for fresh recommendation on Project life of the expansion project after considering the existing EC and mined out mineral till date. The Authority also noticed that there is working quarry of 15 Ha area (Vismaya Rocks) within 100 Mts from the proposed expansion project. This may lead to a cluster situation. SEAC may kindly re look into this aspect also. Further as it is an expansion project, SEAC shall also ensure that the Project Proponent produces CCR as per circular dated 30.5.2012 of MoEF&CC'.

The Sub Committee constituted by the SEAC evaluated the project documents and prepared a report and the Committee accepted the report which contains the following observations:

1. The depth of final mine void is 59 m, ground water level 3-5m bgl and hence recommending EC for the life of mine of 22 years is not desirable.
2. The proponent may be directed to submit a report of the mined-out material from the operational part of the quarry authenticated by the M&G department
3. The Mine Plan is not found uploaded and hence the PP may be directed to upload the Mine Plan approved on 17.12.2018
4. The PP has carried out EIA study, submitted EMP and conducted Public Consultation as the area is more than 5 Ha and also there is a cluster situation. Further, the PP may be asked to submit a clarification whether the natural drain to which the discharge from both the mines occurs is having adequate carrying capacity or not.
5. The PP has included a cumulative traffic impact study report involving H&P and Vismaya- Report in the EIA report.

6. The PP may also clarify why there is no NOC submitted for the Sy. No. 482/03 and how the NOC for Sy. No. 482/36 is acceptable
7. The PP has produced the CCR from MoEF & CC dated 9.7.2019 which is reported as satisfactory

The Committee decided to entrust Dr. R. Ajayakumar Varma and Smt. Beena Govindan for field inspection and report.

22. SIA/KL/MIN/46367/2019, 2051/EC3/2022/SEIAA

Environmental Clearance for Granite Building stone quarry of “Shri.Vinod Bhaskar At Survey No: 391/5/4/10 in Varappetty Village, Kothamangalam Taluk, Ernakulam District, Kerala State

Decision: The Committee examined the proposal and found that many of the basic documents are not uploaded and many of the uploaded documents are not legible. As per Cluster Certificate the total area comes above 5 Ha and therefore, the project proponent has to conduct EIA study, submit environmental management plan and conduct public hearing as per existing norms. The Committee decided to direct the proponent to apply for ToR.

23. SIA/KL/MIN/66304/2019, 1514/EC3/2019/SEIAA

Environmental Clearance for the quarry project for an area of 3.3624 Ha in Sy.No.247/1,247/2-1, 274/3, 275/2 in Anakkayam Village, Ernad Taluk, Malappuram District by Sri.Muhammed, Managing Director, M/s Vettakode Granite Pvt. Ltd (Fresh proposal - After EIA Study)

Decision: The Committee examined the proposal and decided to seek the following additional documents from the proponent:

- a. Details of EMP and EMP incorporating CER. The CER should have detailed and specific physical targets including the locations where it is proposed to be implemented
- b. Detailed afforestation plan incorporating geo-tagged photographs of the proposed location
- c. Minutes of the public hearing with mitigation measures.
- d. Legible and recent Certified survey map.
- e. Geo-coordinates of nearest wells and water level measurements in it

The committee also decided to entrust Er. Dileepkumar & Dr. R. Ajayakumar varma to study the EIA report and provide an evaluation report.

24. SIA/KL/MIN/75334/2020, 1820/EC6/2020/SEIAA

Environmental Clearance for the quarry project for an area of 0.8939 Ha in Sy.No.1065 in Melmuri Village, Ernad Taluk, Malappuram District by Sri.Kunhimammed (Fresh proposal - After EIA Study)

Decision: The Committee examined the proposal and decided to entrust Dr.A.V.Raghu & Dr.R. Ajayakumar Varma for the evaluation of EIA report.

25. SIA/KL/MIN/46597/2019, 1575/EC3/2019/SEIAA

Environmental Clearance of Granite (Building Stone) Quarry of M/s Rox Silicon Private Limited at S.Y. No. 1065&1065 pt of Melmuri Village, Malappuram Municipality, Ernad Taluk, Malappuram District (Fresh proposal - After EIA Study)

Decision: The Committee examined the proposal in detail and decided to entrust Dr. A.V. Raghu & Dr. R. Ajayakumar Varma for evaluation of the EIA report.

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

1. SIA/KL/MIN/252208/2022, 857/SEIAA/EC1/2981/2015

Extension of EC for the Granite Building Stone Quarry of Mr.Sivasankaran.P for an area of 2.9103 Ha in Sy.No.318/1/1, 318/1/2, 318/3 pt, 318/4, 319 pt in Thiruvalli Village, Nilambur Taluk, Malappuram District

Decision: The Committee examined the proposal in detail and entrusted Mr. Sheik Hyder Hussain to study the proposal and submit a detailed report.

2. SIA/KL/MIN/268740/2022, 538/SEIAA/EC3/3881/2014

Extension of Environmental Clearance for the building stone quarry of Nizamudheen K.S at SurveyNo.567/1-2,567/2B2,568/1-1,568/2-2,569/1- 3,569/1-5,567/2A,567/2B1,ofThirumarady Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an Area of 3.9662 Ha.

Decision: The Committee examined the proposal in detail and entrusted Dr. Mahesh Mohan to study the proposal & submit a detailed report.

3. SIA/KL/MIN/270516/2022 , 2030/EC6/2022/SEIAA

Extension of EC for the Laterite Building Stone quarry of Abdurahiman for an area of 0.9931 Ha in Sy.No.139/1 in Cheekkode Taluk, Ernad Taluk, Malappuram.

Decision: The Committee examined the proposal and verified the documents and decided to direct the proponent to submit the following additional documents:

- a. Recent Cluster Certificate from the Mining & Geology Department.
- b. Certificate from Mining and Geology Dept. regarding the quantity of mined out mineral and the balance quantity.
- c. SEIAA secretariat shall obtain the CCR from Regional Office, by providing a copy of EC to IRO, MoEF & CC, Bangalore.

PART 4

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/131195/2019 , 1577/EC3/2019/SEIAA

Environmental Clearance for the Proposed Granite Building Stone quarry of Smt.Reema at Re. Survey No. 292/1A of New Naduvil Village, Thaliparamba Taluk, Kannur District, Kerala for total permit area of 0.8893 Ha (*Field Inspection Report Received*)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report. The proposed project area is 0.8893 Ha. The Committee found that the approach road is not appropriately developed and the project area is located in between high hazard zones. The Boundary pillar 7 is located just 7m away from a high hazard zone. The slope is steep to very steep. The Committee expressed concern about the fragility of the proposed area. The Committee decided to invite the Proponent for presentation.

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.(*Field Inspection Report Recived*)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report. The Life of Mine proposed is 2 years and site does not fall in moderate or

high hazard zone. An abandoned quarry pit with about 30m vertical phase is located within the project area. The project area cut across a natural drain which is reported to be seasonal, the Committee decided to direct the proponent to provide the following:

1. Impact of proposed obstruction of the natural drain as part of the proposed mining and specific measures to mitigate the impacts
2. Uploaded KML file with boundary pillars.

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 Re survey No9/1A,335 in Kolavallur village, Thalassery Taluk, Kannur District, Kerala for an extent of 2.0233 Ha. (*Field Inspection Report Received*)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 18.06.2022. The proposed life of mine is 10 years and the site does not fall in moderate or high hazard zone. The boundary of the project area shares the boundary of two abandoned quarry one at north western side which is waterlogged and the other one at south western side. Over burden is moderate and rock exposed at certain areas. The Committee decided to direct the proponent to submit the following additional documents:

- a. A revised drainage plan with garland canal connectivity to the natural channel.
- b. Plan map showing the OB dump site and protection measures
- c. Revised project cost as per norms
- d. Recent Cluster Certificate from the Department of Mining and Geology.
- e. Revised EMP report with adequate fund allocation for addressing the mitigation plans
- f. Revised CER incorporated in EMP report
- g. Protection and closure plan for the adjacent and abandoned quarries located considering the safety aspects
- h. Compensatory afforestation plan along with geo-tagged photographs of the proposed site

4. SIA/KL/MIN/139351/2020 , 1714/EC3/2020/SEIAA

Environment Clearance for the Proposed Granite Building Stone Quarry of Shri. Maneesh P Mohanan” over an extent of 0.8586 Ha. (2.1216 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 (*Field Inspection Report Received*)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 18.06.2022. The project site does not fall in moderate or high hazard zone. The nearest house is at a distance of 76 m. A building, reported to be the site office, is located within 15 m from the boundary of the project site. The Committee decided to invite the proponent for presentation along with the following documents included in the presentation slides and the same have to be uploaded in the PARIVESH portal after the presentation:

- a. Modified CER has to be submitted
- b. Clarification regarding the site office within 15 m from the boundary of the project site.

- c. OB dump plan has to be submitted
- d. Recent and legible certified survey map.

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

Environmental Clearance for the proposed building stone quarry of Sri. M.P.Lalu at ReSurvey No.74/1Dpt, 74/608pt, Block No. 37 of Kuttur Village, Payyannur Taluk, Kannur District, Kerala for an Area of 1.4336 Ha. (*Field Inspection Report Received*)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 23.06.2022. The proposed life of mine is 12 years. The project site does not fall in moderate or high hazard zones but they are close by. The distance to moderate hazard Zone is 165 m and that to high hazard zone is 100m. The nearest house is at a distance of 60 m. There is also a crusher within the distance of 63m from the proposed site. An old waterlogged quarry pit is located at the eastern part of the project site. The Cluster Certificate submitted is of the year of 2018. The Committee decided to direct the proponent to submit the following additional documents:

- 1. Recent Cluster Certificate
- 2. Detailed drainage plan

6. SIA/KL/MIN/151402/2020 , 1732/EC3/2020/SEIAA

Environmental Clearance for our proposed Granite Building Stone Quarry of M/s Seven Star Granites over an extent of 1.5608 Hectares in situated at Sy.No: 219/1,219/2,219/3 in Manimala Village, Kanjirappally Taluk, Kottayam District, Kerala State. (*Field Inspection Report Received*)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 29.07.2022. Though the proposed site does not fall in the moderate or high hazard zones, it is located very close to the moderate hazard zone at a distance of 60 m. The nearest house is at a distance of 101 m and the proposed life of mine is 12 years with an annual average production of 14502 MT. The Committee observed that the implementation of the project as proposed can correct part of the adverse impacts of the abandoned quarry pit due to the provision of benches. The Committee decided to direct the proponent to submit the following additional documents:

- a. Revised CER as per norms and incorporate it to the EMP.
- b. Plan for compensatory afforestation along with geo-tagged photographs of the site proposed.
- c. Drainage plan with provisions of garland canal, silt traps, siltation ponds, outflow channel and connectivity to the nearest natural drain.

7. SIA/KL/MIN/158149/2020 , 1786/EC4/2020/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry of Sri.Ravi Paleri in Sy. No. 138/2 of Kolavallur Village, Thalassery Taluk of Kannur District., Kerala for an extent of 0.5710 Ha. (*Field Inspection Report Received*)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 18.06.2022. The proposed life of mine is 5 years and the average annual production is 19839.4 MT. The site does not fall in moderate or high hazard zones. The nearest house is at 148.3 m. The Committee observed that the site is located on a moderate hill slope and the soil thickness of the project area is moderate. There is an abandoned waterlogged quarry is at 52m S-E of the project area. Based on discussions, the Committee decided to recommend EC for a period of 5 years subject to the following specific conditions in addition to general conditions.

1. Depth of mining should be limited to a maximum of 460 m above MSL considering the depth to groundwater table and vulnerability of the terrain.
2. Development of green belt to be initiated prior to the commencement of mining operation and its maintenance status should be included in the HYCR.
3. Compensatory afforestation to be initiated prior to the commencement of mining.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. 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. OB dumping site should be provided at the lower portion of the site and it should be protected with gabion wall of appropriate height.
7. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
8. 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 (HYCR)
9. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
10. The haulage road should be developed and maintained well with frequent sprinkling.
11. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
12. Adequate energy conservation measures proposed should be implemented including solar power installations.

8. SIA/KL/MIN/159159/2020 , 1852/EC2/2020/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry (Minor Mineral) mining project of PRABHAT MENON is situated at Re-Survey No. 676/pt of

Madikai Village, Hosdurg Taluk, Kasaragod District, Kerala for an area of 0.0972 hectares. *(Field Inspection Report Received)*

Decision: The Committee examined the proposal, verified the documents and discussed the field inspection report. There are no adverse impacts anticipated due to the project. The Committee decided to recommend EC with Project Life of one year from the date of permit issued by the Mining and Geology Department subjected to general conditions.

- a. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years
- b. Appropriate drainage arrangement from the mine pit should be ensured.
- c. The CER should be implemented as per rules
- d. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.

9. SIA/KL/MIN/162481/2020 , 1742/EC4/2020/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri Deepa N.K. at Sy. No 23/798, 23/912 of Kalliad Village, Iritty Taluk, Kannur District of Kerala for an extent of 0.5567 Ha. *(Field Inspection Report Received)*

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 18.06.2022. The nearest house is at 52 m and the site does not fall in moderate or high hazard zones. The area is located on top of a lateritic plateau and the over burden is nil or sparse. Abandoned laterite excavated pits are seen outside the project area. It is observed at the site that the top soil and 3 to 4 layers of laterite bricks are already extracted. The boundary pillars were removed and kept in a nearby shed. Only small iron rode was fixed to identified the project boundary. Though the date and time of field visit was intimated to the PP and the RQP, they were absent. Efforts to contact them over phone also failed. In the circumstance, the Committee decided to recommend the rejection of the proposal and inform the Authority to notify the matter to the M&G Department, Kannur District.

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

Transferring of file from TOR to EC- Environmental Clearance for the proposed Granite Building Stone Quarry of Mr. Siraj Hussain at Re-Sy:-281/2-3of Mundakkayam Village, Kanjirappally Taluk, Kottayam District, *(Field Inspection Report Received)*

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 29.07.2022. The site falls in the moderate hazard zone and the high hazard zone is at a distance of 5.73 m. The nearest house is marked at 69 m. A recent certified survey map is required to understand the distribution of built structures with 200m radius of the project site. It is observed that the CER need modification and the location between BP 2 & BP3 and between BP 1 & BP4 requires protection wall as a safeguard measure. The general land use of the area is rubber plantation. Considering the land fragility of the area and the government direction in the Kerala State Disaster Management Plan 2016, published under

Section 23 (1) of the Disaster Management Act, 2005 (Central Act 53 of 2005), the Committee decided that mining project in such an area can be permitted only after getting the approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014. Therefore, the Committee decided to get the following additional documents/details.

1. A recent certified survey map indicating distance to the built structures such as buildings, roads, canals, electrical & telecommunication installations etc. with 200m radius of the project site.
2. Modified CER as per norms
3. Safeguard plan for the location between BP 2 & BP3 and between BP 1 & BP4.
4. Approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014

11. SIA/KL/MIN/191604/2021, 1931/EC3/2022/SEIAA

Environmental Clearance for the proposed Granite Building Stone Quarry of M/s Deccan Rocks at Re-Survey Nos. 66/2,66/1,66/3-2,66/3,66/3-1,66/3-4,66/3-5,66/3-7,66/3-3,66/3-6,65/1 of Thalanad Village, Meenachil Taluk, Kottayam District, Kerala, for an area of 3.9736 hectares. (*Field Inspection Report Received*)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 28.07.2022. The proposed mine life is 8 years with an average annual production of 2,10,832 MT. Though the proposed site does not fall within the moderate hazard zone, it shares the boundary with that of the moderate hazard zone located on another slope region. The distance to high hazard zone is 800 m. The nearest house is at 201 m and depth to water table is 60m above MSL. The location between BP11 and BP 12 requires protection wall as a safeguard measure. The Committee observed that the magnitude and intensity of quarrying activity will be intense and hence precautionary measures are very essential. Considering all these, the Committee decided to direct the proponent to submit the following additional documents:

1. A recent certified survey map indicating distance to the built structures such as buildings, roads, canals, electrical & telecommunication installations etc. with 200m radius of the project site.
2. Modified CER as per norms
3. Safeguard plan for the location between BP 11 & BP 12
4. Approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014.
5. Compensatory afforestation plan along with geo-tagged photographs of the proposed location.

12. SIA/KL/MIN/203330/2021 , 1937/EC3/2022/SEIAA

Environment Clearance for the proposed Granite Building Stone Quarry of M/s. Mariyan Granites' over an extent of 0.9802 Ha. in Sy Nos. 805/1A-40, 805/1A-40, 805/1A-40 of Kalloorkkad Village, Muvattupuzha Taluk, Ernakulam District, Kerala State. (*Field Inspection Report Received*)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 30.07.2022. The life of mine is 3 years with an average annual extraction of 54,680 MT. The nearest house is at 73.2m and the depth to water table is shallow, varying from 2-5m bgl. The site does not fall in moderate or high hazard zones. The project shares the boundary of another project but there is no cluster condition. The Committee decided to invite the PP for presentation.

13. SIA/KL/MIN/204998/2021, 1923/EC3/2021/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re-Survey No. 281/1-9 in Block No. 2, Mundakkayam Village, Kanjirappally Taluk, Kottayam District, Kerala for an extent of 0.6656 Ha. (*Field Inspection Report Received*)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 29.07.2022. The proposed area falls in medium hazard zone. The nearest house is marked at 235 m and depth to the water table is 12m bgl. The Committee observed that the site is characterized by steep slope region especially on the northern part of the proposed area. The project site is a middle portion of a steep hill and the region above the project site is steeper. A first-order stream (may not be a perennial one) is flowing through the buffer region near BP 3. Considering the severe land fragility status of the project site, the Committee decided to recommend rejection of the proposal.

14. SIA/KL/MIN/43559/2019 , 1483/EC2/2019/SEIAA

Environmental Clearance for the proposed Granite Building Stone Quarry of Mr. C. Firos Babu in Survey No 201, 202, 203, 214, 215, 216/1 & 218 over an extent of 4.3520 Hectare in Thiruvilwamala Village, Thalappilly Taluk, Thrissur District, and Kerala State. (*Field Inspection Report Received*)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 17.05.2022. The site does not fall in medium or high hazard zone. The nearest house is at 142 m. The life of mine is 12 years with an average annual production of 2,28,605 MT. The depth of mining will have to be limited subject to the depth to ground water table as required. Based on discussion, the Committee decided to direct the proponent to submit the following additional documents:

1. Modified CER by detailing the budget with specifications of each item.

2. Revise the EMP by earmarking adequate fund and incorporating CER
3. Surface plan map of the project site including the location of the OB dumping site.
4. Detailed drainage plan incorporating garland canal, silt traps, siltation ponds, outflow channel and connectivity to the nearest natural drain
5. Recent and legible certified survey map from the V O showing distance to the nearest built structure including buildings, roads, canals etc.
6. Recent Cluster Certificate
7. Upload KML file appropriately
8. Plan for developing the approach road with a minimum width of 7m
9. Compensatory afforestation plan including the geo-tagged photographs of the proposed site.
10. Proof for demolition of the shed located at 5m distance from the project site.

15. SIA/KL/MIN/45189/2019 , 1739/EC4/2019/SEIAA

Environment Clearance for the proposed Granite Building Stone Quarry of M/s. K. V. N. Engineering & Constructions' over an extent of 3.4162 Ha. (8.4414 Acres) at Sy. No. 292/1A, Vellad Village, Thaliparamba Taluk, Kannur District, Kerala State. (***Field Inspection Report Received***)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report, conducted on 22.06.2022. The proposed life of mine is 12 years with an average annual production of 1,68,912 MT. The nearest house is at 55 m and the depth to water table is 87m above MSL. The northern and southern portion of the project site falls in moderate hazard zone and the distance to high hazard zone is 610 m. The general slope of the project site is steep to very steep. The richness of biodiversity is also reported high. The rock boulders are spread over the entire extent of the project site. The haulage road is not adequate enough to transport the quarried material. Considering the land fragility of the area and precautionary measures required, the Committee decided to get the following additional documents/details.

1. A recent certified survey map indicating distance to the built structures such as buildings, roads, canals etc. with 200m radius of the project site.
2. Impact of vibration due to blasting on the houses and other built structures including buildings within 200m radius in terms of peak particle velocity and amplitude for maximum charge per delay
3. Approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014.
4. Surface plan map of the project site including the location of the OB dumping site.
5. Management plan for the natural drain in the downstream side of the project location to maintain uninterrupted flow and enhance the carrying capacity.

16. SIA/KL/MIS/271560/2022 , 1991/EC6/2022/SEIAA

Environmental Clearance for the Proposed Expansion of Existing Building Construction Project (Wellness Resort) to be developed by Mr. Siva Bhadran K power of attorney holder of Mr. Faisal Edavalath Kottikollon at Survey Nos. 162/1, 162/2, Chelambra Village & Panchayat, Kondotty Taluk, Malappuram District, Kerala. . (*Field Inspection Report Received*)

Decision: The Committee examined the proposal and discussed the field inspection report. It is observed that the slopy regions falling in the south eastern side of the proposed site appears to be unstable and the area for the construction activities has gentle to moderate slope and there is no appropriate drainage map found attached with the application. The Committee decided to invite the proponent for presentation. The following additional documents will have to be explained during the presentation which should be uploaded after the presentation.

1. Detailed drainage map of the project site and its connectivity to the nearest natura drain.
2. Proposal for improving the stability of the slopy regions falling in the south eastern side of the proposed site
3. Detailed water budget including the proposed sources including harvested rain water and their conservation and management
4. Predicted generation of solid and liquid waste from different sources including biomedical waste and detailed management plan including the treatment systems considering the shortcomings of the existing system
5. Details of energy saving efforts proposed to be adopted as part of the project

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

1. SIA/KL/MIN/278020/2022 , 806/SEIAA/EC4/2237/2015

Revalidation of Environmental Clearance for Masonry Stone Mine (Quarry) project of Mr. Tomy Thomas for an area of 3.9577 ha.) . (*Field Inspection Report Received*)

Decision: The Committee examined the proposal, verified the documents, studied the Judgement of the Hon. High Court dated 11.3.2022 and discussed the field inspection report. The Petitioner submitted the application for extension of validity of environmental clearance in Form-6 on 10.2.2022 to the SEIAA. On pointing out short-comings, it was resubmitted on 21.6.2022 and was accepted by SEIAA on 23.6.2022. The proposal was forwarded to SEAC and it was accepted by SEAC on 1.7.2022 and the same was placed in the 130th meeting of the SEAC held during July 4-6, 2022. The Committee scrutinized the application and observed that the application lacks certain documents/details as listed in the minutes. In the meanwhile, the Sub Committee entrusted by the SEAC, evaluated the application and other documents submitted by

the PP, examined compliance of EC conditions and carried out field inspection on 28.7.2022 and submitted a report.

The Project area falls in moderate hazard zone in continuity with high hazard zone and therefore, adequate precaution will also have to be taken considering the Kerala State Disaster Management Plan, 2016 published under Section 23 (1) of the Disaster Management Act, 2005 which states that in moderate hazard zones, quarrying shall be permitted only after getting the approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014

Based on discussions, the Committee decided to direct the Proponent to submit the following documents which are essential for appraising the project further and taking a decision on the extension of the validity of the EC.

1. Certified Compliance Report from MoEF & CC, IRO, Bangalore.
2. Recent Certified Survey Map indicating distance to built structures including houses and other building
3. Recent Cluster Certificate
4. New Mining plan and Scheme of Mining
5. Biodiversity Assessment Report
6. Revised EMP incorporating CER proposals with detailed physical targets
7. Compensatory afforestation plan along with geo-tagged photographs of the proposed site

The Hon. High Court of Kerala vide judgement dated 11.3.2022 in W.P.(C)Nos.19657 & 21767 of 2021 ordered that the SEIAA shall on receipt of the application consider the extension in terms of Clause 9 of EIA, 2006 and pass orders within one month therefrom. Therefore, the Committee decided to direct the PP to submit the above said essential additional documents immediately for submitting environmental appraisal report to the Authority within the time-frame stipulated

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/IND2/215978/2021 , 2020/EC2/2022/SEIAA

Offshore Oil and Gas Exploration, Development and Production in Oil and Gas Exploratory Block: KK-OSHP-2018/1

Decision: As invited, Dr.B.N.Sahoo Chief General Manager, OIL & Sri.K.C Behra from OIL were present and made the presentation. The Committee heard the presentation and decided to direct the PP to submit the following:

1. Upload appropriate KML file
2. Upload the risk management aspects
3. Impacts on the biota due to drilling as envisaged in the project

4. Copy of permit letter for conducting physical survey in the proposed area.
5. Credential of the PP for the preparation of EMP.
6. Collection, management and disposal plan for the drill debris and such other waste.
7. Temporary collection and holding mechanism for spent oil
8. Use of stack and other remedial measures for addressing gas emission.
9. Details of marine biodiversity of the proposed area and management plan for the same.
10. Impact of the project on the livelihood of the fishing community, if any, and mitigation measures.
11. Details of provision, if any, for compensating fishing community for loss of working days and harvest due to the restrictions, if any, imposed on the movement of fishing vessels
12. Letter from KCZMA regarding the / applicability/ non applicability of CRZ clearance.

The meeting ended at 4.30 pm on 20th August 2022.

It is decided to convene the next meeting of SEAC from 13th– 15th September, 2022.

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

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

Sl. No.	Name	05.08.2022	06.08.2022	19.08.2022	20.08.2022
1.	Shri.Sheik Hyder Hussain	✓	✓	✓	✓
2.	Dr.A.Bijukumar.	X	X	X	X
3.	Dr.A.N.Manoharan	✓	✓	X	✓
4.	ShriM.Dileepkumar	✓	✓	✓	✓
5.	SmtBeenaGovindan	✓	✓	✓	✓
6.	Dr.C.C.Harilal	✓	✓	✓	✓
7.	Dr.K.VasudevanPillai	✓	✓	✓	✓
8.	Dr.MaheshMohan	✓	✓	✓	✓

9.	Dr.K.N.Krishnakumar	✓	✓		✓
10.	V.Gopinathan	✓	✓	✓	✓
11.	Dr.A.V.Raghu	✓	X	✓	✓
12.	Dr.N.Ajithkumar	✓	✓	✓	✓
13.	Shri.SuneelPamidi,IFS (Secretary)	✓	✓	✓	✓
14.	Dr.R.Ajayakumar Varma (Chairman)	✓	✓	✓	✓

ANNEXURE 1

Table 1: Status of Compliance

Particulars	Amount Lakh (Rs)	Status and Remarks	Expenditure and Remarks	Time line – Year and cost to be expended as per EC			Remarks/Directions/ Summary	
				2020-21 Rs in lakh	2021-22 Rs in lakh	2022-23 Rs in lakh		
Water Environment (79 lakhs)				30	30	19		
1	Restoration of Existing 0.6 m wide storm water drain in Vaniyamkulam Panchayat in ward 4 to an extent of 2.50 KM	50	Complied. But could not measure exact length, breadth and depth of the modified storm drain (length more than 2.5 km) and cost incurred.	Actual expenditure to be worked out. Renovation work has been completed. The width of the drain is about 0.6 m and the depth varies according to the slope.				Submit a Certificate from a Chartered Engineer showing exact Civil Works executed showing length, breadth and depth of the modified drain and restored/reconstructed ponds and also provide valuation of each item, indicating year wise expenditure (cost breakups) etc, as per the schedule of rates of civil works in that area.
2	Restoration, Reconstruction and deepening of	16	Complied But couldn't quantify and	Item wise breakup of work executed need to be				