

MINUTES OF THE 131st MEETING OF THE STATE ENVIRONMENT APPRAISAL COMMITTEE(SEAC) KERALA HELD FROM 5TH TO 06TH AUGUST, 2022 IN THE CONFERENCE HALL, STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA AND FROM 19TH TO 20TH AUGUST, 2022 ONLINE PLATFORM

The 131st meeting of the SEAC Kerala was held from 5th to 6th August 2022. The meeting started at 10.00AM on 5th August 2022. Dr. R. Ajayakumar Varma, Chairman, SEAC, Kerala chaired the meeting. Due to the time constraint, the Committee could not appraise all the proposals as per the Agenda and decided on an extension meeting. The extension meeting was held on the 19th and 20th of August, 2022 online platform. The meeting started at 10.00 AM on 19th August 2022. Dr. R. Ajayakumar Varma, Chairman, SEAC, Kerala chaired the meeting. The Committee discussed the agenda items in detail and took the following decisions;

131.01 Noting of minutes of the 130th SEAC meeting held on 04th – 06th July 2022.

Decision: The Committee confirmed the minutes of the 130th meeting after incorporating the following corrections.

1. The decisions in item no. 22 of Part-3 (SIA/KL/MIN/272047/2022, 1216/EC2/2019/SEIAA) stand corrected and the minutes confirmed will read as follows: ‘The Committee decided to adhere to decision No. 126.45 taken in its 126th meeting’.

131.02 Environmental clearance for the proposed quarry project in Survey No. 163 Block No.22, Sy. Nos. 2/2-2,2/4-3,2/4-2,3/1-2,2/3,2/2-3,2/4-4,2/4-5 Block No.27) in Urangattiri Village, Ernad Taluk, Malappuram District, Kerala by Mr. K.V. Moideenkoya, M/s Kallarattikkal Granites(File No. 1230/EC2/2019/SEIAA)

Decision: As invited the authorized person of the proponent Mr. Muhammed Rashid with authorization letter, and Dr.Sreevalsa Kolathayar, Professor, Department of Civil Engineering National Institute of Technology, Surathkal, Karnataka, who conducted the study, were present. The Professor made the presentation of the technical report on landslide zonation mapping and slope stability analysis of the quarry site. The Committee heard the detailed presentation and expressed satisfaction that four of the 5 definite questions sought by the Committee in its 124th meeting are now addressed. The Professor agreed that the influence of the rock joints in stability analysis has not been addressed during the study. Further, the Committee noticed that the DEM used for slope analysis is Aster DEM having a resolution of 30m is not adequate for high-resolution slope study for a comparatively small area. Considering the high slope and land fragility of the area, the Committee decided to entrust Sri. V. Gopinathan & Dr.A.N.Manoharan for studying the report submitted by the NIT,

conducting afield inspection and submitting a report for the Committee to take a final decision on the proposal.

131.03 Environmental Clearance for the Quarry Project in Block No 45, Sy.No. 276/2, 281/2, Anakayam Village, AnakayamPanchayath and Sy. No. 244 at Manjeri Village, Manjeri Municipality, Ernadu Taluk, Malappuram District by Sri. Abdul Azeez, Managing Director, M/s Manjeri Bricks and Metals Pvt. Ltd. – Request to recall the Rejection Order and to reconsider the proposal for revalidation of EC (File No.537/SEIAA/EC/3880/2014)

Decision: As invited the Proponent, Mr. Abdul Azeez and the Consultant, Mr. Jomon. M.C on behalf of M/s Environmental Engineers & Consultants Pvt. Ltd. were present. The consultant made the presentation. The Committee heard the presentation and observed the following:

1. Sri. Abdul Azeez, Managing Director, M/s Manjeri Bricks and Metals Pvt. Ltd was issued EC on 11.02.2016 for a period of five years for the project having life of mine of about 8 years. The revalidation proposal of the Proponent was rejected vide Order dated.18.10.2021. Subsequently, the Proponent stated that the grant of EC was for 2.8549 Ha falling in Anakkayam and Manjeri Villages but he chose to obtain quarrying lease only for 1.550 ha of land in the Manjeri Village. The land to the extent of 0.4047 Ha in Anakkayam Village, which was covered by the EC granted, had mining permits during the period 2016 to 2019. As requested, the Authority heard the Proponent along with his consultant on 25.5.2022. Further, the proponent submitted hearing note on 01.06.2022. The Authority perused the proposal in the 115th meeting of SEIAA and opined that the recommendation of the 124th meeting of SEAC and the decision of 112th SEIAA meeting based on the recommendation of SEAC are correct and hence the revalidation of EC can't be considered for the project and the Project Proponent has to submit fresh application for EC. However, the Authority decided to give one more opportunity to the Project Proponent for presenting his case before SEAC with all relevant documents in support of his claim for revalidation of his proposal.
2. The original EC was for 2.8549Ha out of which 2.1311 Ha falls in Anakkayam Village (Sy. No. 276/2 & 281/2) and 0.7238 Ha falls in Manjeri Village (Sy. No. 244). The EC was issued based on the Mining plan approved on 13.8.2014 for 2.8549 Ha.
3. Quarrying lease area in Anakkayam Village as per letter no. 9283/M3/2015 Dated 22/9/2015 from Mining and Geology is 2.0603 Ha in Sy. No. 276/2, 281/2 and that in Manjeri Village as per letter no. 10242/M3/2015 dated 4/11/2015 from Mining and Geology is 1.0550 Ha in Sy No 116/16.
4. The area in Manjeri Village as per the lease issued from Mining and Geology Department is 1.0550 Ha in Sy No 116/16 but the area as per the Survey Map submitted for the issuance of EC is 0.7238 Ha. which is in Sy. No. 244.

5. The area in Anakkayam Village as per the lease issued from Mining and Geology Department is 2.0603 Ha in 276/2, 281/2 but the area as per the Survey Map submitted for the issuance of EC is 2.1311 Ha which is in the same as given during the issuance of EC (Sy. No.276/2, 281/2)
6. Clarification submitted on 16/05/2022 stated that the EC area in Anakkayam Village is 1.7999 Ha and in Manjeri Village is 1.0550 Ha.

Based on the above observations, it may be noted that the EC issued on 11.2.2016 in Anakkayam Village was for an area of 2.1311 Ha (Sy. No. 276/2, 281/2) and that in Manjeri Village was for 0.7238 Ha (Sy. No. 244) based on the Mining Plan approved on 13.8.2014. However, the order dated 22.9.2015 indicated that the lease area sanctioned in Anakkayam Village was 2.0603 Ha (Sy. No. 276/2, 281/2) and the order dated 4/11/2015 indicated that the lease area sanctioned in Manjeri Village was 1.0550 Ha (Sy No 116/16). Therefore, there is discrepancy in the area and survey numbers for which EC was issued, lease sanctioned and clarification of EC area submitted by the Proponent. Accordingly, the Committee decided to bring the points to the notice of SEIAA.

**131.04 Environmental Clearance issued to Sri. C. Rajeev, Managing Partner, M/s Surya Granites for the Granite Building Stone Quarry in Kunathur II Village, Alathur Taluk, Palakkad District from DEIAA, Palakkad -- Judgment in WP (C) No.26415/2020 -Revalidation of EC.
(File No. 163/EC1/2021/SEIAA)**

Decision: The Committee examined the proposal and discussed the field inspection report. The proponent has also produced satisfactory CCR from MoEF& CC, IRO, Bangalore. The Committee observed that the project is eligible for revalidation of EC for a project life of 6 years from the date of original EC i. e 21.04.2017 subject to the following additional specific condition in addition to the specific conditions in the original EC

1. Measures incorporated in the CER should be implemented in total and it should be operated and maintained till the Mine Closure Plan is implemented in total.
2. Green belt development in the buffer should be strengthened and nurtured.
3. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically and geotagged photograph should be incorporated in the Half Yearly Compliance Report(HYCR).

131.05 Environmental Clearance issued to P.K.Das Institute of Medical Sciences, Nehru College of Educational and Charitable Trust Vaniyamkulam, Palakkad – letter from Member Secretary, KSPCB regarding the release of Bank Guarantee. (File No. 554/SEIAA/EC1/4089/2014)

Decision: The Committee discussed, in detail, the report of the Sub Committee, comprising of Dr. A.V Raghu, Er. M. Dileep Kumar and Smt.Beena Govindan, who conducted the site visit to assess the compliance with respect to the implementation of the Remediation and Natural Resource Augmentation Plan for Rs 3.03 crores stipulated in the EC issued vide order No. 554/SEIAA/EC1 4089/2014 dated 07.06.2021. The Committee observed that the documents submitted by the proponent is not sufficient to reach a reasonable conclusion regarding the completion of the implementation of Remediation and Natural Resource Augmentation Plan. The documents submitted containing the details of the works completed and the expenditure incurred were particularly inadequate. For instance, the proof of expenditure submitted by the proponent is mostly work orders. Therefore, the Committee decided to direct the Proponent to submit the following additional documents/information in order to undertake a proper assessment of the status of the implementation of Remediation and Natural Resource Augmentation Plan.

1. Completion certificate from the Head of the Institutions where each intervention was undertaken.
2. Geo-tagged photographs of the present status of each intervention
3. Certificate of satisfactory completion of the work by a chartered engineer in case of interventions involving civil works
4. Statement of expenditure audited by a Chartered Accountant. The same should include details of expenditure relating to each component of the Remediation and Natural Resource Augmentation Plan.
5. If any component of the Plan involved renovation or improvement of existing structures, photographs of the structure before and after the intervention should be submitted.
6. It was observed that some interventions included in the Plan were not implemented reportedly because it was deemed to be impractical. The Committee felt that if some deviations are made from the original plan due to unavoidable reasons, alternative interventions should be implemented which have equivalent beneficial impact on the environment and society. Detailed explanation with reasons for not executing any component of the plan and justification for the alternative interventions in terms of benefits as well as cost.
7. Provide clarifications/explanation and other necessary documents/details regarding the observations given in Table 1, Table 2 and Table 3 drawn from the report of the Sub-committee. The three Tables with or without modification is appended to this minutes as **Annexure 1**.
8. The time-line of the activities implemented and to be implemented

131.06 Common judgment dated 11.12.2019 in WP (C) No.5589/2019, WP (C) No.9656/19 and WP (C) No.25439/2019 filed by Sri.Unnikrishnan.K.P and the President,VaniyamkulamGramapanchayat against M/s JMC Granites, Palakkad – Complaint received from Shri.E.Sreedharan (File No.4429/A2/2019/SEIAA)

Decision: The 110th meeting of SEIAA directed the Project Proponent to submit a compliance report to SEIAA after attending all the observations made by different agencies concerned. The

SEIAA also decided that immediately after the receipt of compliance report, a combined field visit will be conducted by a joint team consisting of members from the agencies concerned to verify the status of compliance of their observations and a collective decision will be taken on the further operation of the quarry. The 111th meeting of SEIAA decided to forward the hearing notes from the complainants, The President of Vaniyamkulam Grama Panchayath and Sri. K.P.Unnikrishnan, to SEAC for verification along with field inspection to be held after obtaining compliance report from Project Proponent. The Proponent submitted the compliance report along with the scientific study on assessment of blast induced ground vibration for JMC Granite stone building quarry vide letter dated 30-10-2021. As discussed and decided in the 125th SEAC, a sub-committee consisting of Dr.K.N.Krishnakumar, S.Sheik Hyder Hussain and Dr. K. Vasudevan Pillai inspected the project site on 06-05-2022 and submitted a report. The Committee discussed the report and observed that it is not in compliance to the decision of the SEIAA. Therefore, the Committee decided to request SEIAA to form a joint committee consisting of the following members:

1. A representative of the Mining & Geology Department, Govt. of Kerala, preferably from the District Office, Palakkad
2. A representative from the Kerala State Pollution Control Board, preferably from the District Office, Palakkad
3. A representative from Office of the Director of Mine Safety, 4th Floor, No.5, 14th Main, 100 feet road, Koramangala Bangalore Karnataka 560 034
4. A representative from the SEAC.

The Committee decided to nominate Dr.K.Vasudevan Pillai as the nominee of the SEAC to the Joint Committee who will coordinate the joint inspection on behalf of SEIAA. The Joint Committee shall verify the status of compliance and take a collective decision on the further operation of the quarry. The Joint Committee shall also verify the aspects raised in the hearing notes from the complainants, The President of Vaniyamkulam Grama Panchayath and Sri. K.P.Unnikrishnan during the field inspection.

131.07 Environmental Clearance for the proposed building stone quarry project in Re-survey No. 168, Karukutty Village & Karukutty Grama Panchayat, Alwaye Taluk, Ernakulam District, Kerala State by Mr.Saji Vadakkekara (Proprietor), M/s Planters Aggregates-Judgment dated 11-09-2021 in WP (C) 16230 of 2021 filed by M/s Planters Aggregates- Revalidation of EC (File No. 1065/SEIAA/EC3/1912/2016)

Decision: The Committee examined the proposal and discussed the field inspection report. The Committee also observed that the report from the District Geologist as directed by SEIAA has not yet been received on the complaint raised by Shri. T.A. George, Ernakulam even after forwarding the reminder letter. The Committee recommended that the project is eligible for

revalidation of EC with a Project Life of 30 Years from 22.12.2017 subject to the following specific conditions.

1. Buffer Zone with a width of 7.5m should be maintained all around the Project area
2. Green belt along Buffer Zone should be strengthened by planting vegetation of indigenous species
3. Garland Canal with silt traps, siltation pond and outflow channel covering the entire project area and connectivity to the nearest natural drain should be provided.
4. More number of Avenue trees should be planted and nurtured
5. The cleaning and desiltation of silt traps, siltation pond and outflow channel should be done periodically and geotagged photographs of the process should be included in the HYCR
6. Over flow water from siltation pond should be discharged to the nearby natural drain after adequate filtration
7. Overburden should be stored at the designed place and it should be protected with retaining/protective wall of appropriate size.

The issuance of EC shall be subject to the receipt of the report from the District Geologist as per the decision of the 91st SEIAA meeting held on 29th April 2019 who has been directed to conduct a comprehensive inquiry and submit a report within one month on the complaint from Sri. T.A. George, Ernakulam, requesting to revoke the EC granted to M/s Planters Aggregates.,

131.08 Environmental Clearance for the quarry project of Sri. Shibu Pynadath John, Managing Director, M/s Pynadath Granite Pvt. Ltd. in Sy. Nos. 2066/1, 2067/2, 2063, 2057, 2056/2, 3 and 2067/1 at Kuttichira Village ,Kodassery Panchayath, Chalakkudy Taluk, Thrissur, Kerala – Judgment dated 18.11.2020 in WP(C) No.24278 of 2020 - Revalidation of EC- reg :- (File No.606/SEIAA/EC1/4633/2014)

Decision: The Committee examined the proposal and discussed the field inspection report. The 111th meeting of the SEIAA decided that (i) the SEAC should conduct field inspection to confirm whether the PP has attended to all the non-compliances reported by the IRO, MoEF & CC, Bangalore dated 18.3.2021 and recommend whether EC has to be cancelled or not; (ii) During the field inspection, SEAC should verify the issues raised by Sri P.V.Rappai after giving a notice to him about the date of inspection; (iii) Sri P.V.Rappai will be given one more opportunity of being heard after the proposed field inspection of SEAC to verify the compliance status of observations made by the IRO, MoEF&CC, Bangalore as well as the issues raised by him in his representation to SEIAA and (iv) the Standing Counsel shall be requested to file

extension petition for a period of 4 months in relevant WP(C)s to comply with the directions of Hon'ble High Court.

Accordingly, the SEAC Sub Committee conducted field inspection on 20.05.2022 to confirm the compliances and to verify the issues raised by the complainant, after giving notice. During the field visit, the Committee heard the Complainant Sri. Rappayi along with his advocate and the proponent of the project. The Sub-committee observed that the Complainant's house is located 300m away from the south-eastern boundary of the project site. The proponent also got a study "Assessment of effect of blasting operations in the stone quarry of M/s Pynadath Granites (P) Ltd" done and report generated by engaging Dr. Ram Chandar Karra, Dept. of Mining Engineering, NIT, Surathkal. It is stated in the report that the highest PPV of 3.814mm/sec and 3.62mm/sec was recorded at a distance of 70m and 75m respectively. It is also stated that no vibrations were recorded beyond 150m. The Sub- committee has not found any ambiguity in the results of the study. The Committee observed that the boundary of the property owned by the Proponent from the mine boundary itself is more than 200m and as per the report on Assessment of effect of blasting operations, no vibrations of any significance could be recorded beyond 150m. Thus, the claim of the complainant, whose house is beyond 300m away, with respect to vibration impact is not tenable.

The Sub Committee also noted that the PP submitted Certified Compliance Report from the IRO, MoEF &CC, Bangalore on 16.03.2022 which reported satisfactory compliance. The Committee also examined the compliance of Specific and General Conditions with which the environmental clearance was issued and found the compliance satisfactory. Therefore, the Committee decided not to recommend cancellation of the EC. Instead, the Committee decided to recommend revalidation of EC with a Project Life of 11 years from the date of the original EC, i.e., 17/02/2016 with the following additional specific conditions in addition to the Specific and General Conditions already issued.

1. Green belt along the buffer zone should be strengthened by planting more suitable indigenous species of trees in the first year itself.
2. Compensatory afforestation should be carried out to compensate for the lack of vegetation in the rocky areas of the buffer zone.
3. The garland canal, silt traps and outflow channel covering the entire project area should be provided with immediate effect. The outflow channel should be connected to the nearest natural drain.

4. The proponent should periodically clean and maintain the garland canal, silt traps, outflow channel and connected drains and geo-tagged photographs of the activity should be submitted along with Half Yearly Compliance Reports.
5. The discharge of the over flow water from the siltation pond to the nearby natural drain should be done only after adequate filtration
6. The overburden material should be stored at the designed place and the height of the retaining wall should be raised appropriately for protecting the overburden stock.
7. The ultimate depth of mine should be limited to 30m above MSL.
8. The height and width of the benches should be corrected to maintain the slope.

The Committee also decided to inform the Authority that the recommendation of the SEAC may be considered after hearing the Complainants Sri. Rappayi and Sri. Sunil Karappadam, the latter's complaint dated 9.5.2022 was forwarded by the MoEF&CC.

131.09 Environmental Clearance for the quarry project in Sy. No. 1/1 (P) at Elamkulam Village, Perinthalamanna Taluk, Malappuram District, Kerala by M/s Madeena Granite– Judgment dated 19.01.2021 in WP(C) No.28833 of 2020 (D) - Revalidation of EC – (File No.305/SEIAA/KL/1572/2014)

Decision: The Committee examined the proposal and discussed the field inspection report of the sub-committee done on 19.05.2022 to verify the compliance of the EC conditions as per the decision of the 126th meeting of the SEAC meeting. The proponent has also produced a satisfactory CCR from MoEF & CC, IRO, Bangalore dated 29.03.2022. The Committee observed that the project is eligible for revalidation of EC for a project life of 16 years from the date of original EC i.e., 5.12.2014 subject to the following specific conditions in addition to the specific and general conditions stipulated earlier.

1. Green belt along the buffer zone should be strengthened by planting more number of suitable indigenous species of trees in the first year itself.
2. Compensatory afforestation should be carried out to compensate for the loss of vegetation due to mining.
3. The garland canal, silt traps and outflow channel covering the entire project area should be provided with immediate effect. The outflow channel should be connected to the nearest natural drain.
4. The proponent should periodically clean and maintain the garland canal, silt traps, outflow channel and connected drains and geo-tagged photographs of the activity should be submitted along with Half Yearly Compliance Reports.
5. The discharge of the over flow water from the siltation pond to the nearby natural drain should be done only after adequate filtration

6. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
7. The overburden material should be stored at the designed place and it should be protected with retaining wall of appropriate height.
8. The ultimate depth of mine should be limited to 35m above MSL.
9. The garland canals and silt traps are noted to be worn out at certain regions which should be corrected with immediate effect,

131.10 Environmental Clearance for the quarry project in Sy. Nos. 111/1 part & 113/1 part at Edavanna Village and Sy. No. 217 part at Perakamanna Village, Eranad Taluk, Malappuram District, Kerala by Sri.Jamal Muhammed, Managing Partner, M/s Aranhikkal Granite – Judgment dated 19.01.2021 in WP(C) No.28890 of 2020 (I) - Revalidation of EC (File No.241/SEIAA/KL/971/2014)

Decision: The Committee examined the project and it is observed that on the expiry of the validity of EC, the Proponent submitted an application for ToR in PARIVESH to which Standard ToR was issued on 01.06.2020 with special studies on hydrogeological aspects. As per the Judgment dated 19.01.2021 in WP(C) No.28890 of 2021, the Hon'ble High Court directed to revalidate the EC already issued to them in the past. The 124th meeting of SEAC held on 24th to 27th August 2021 decided to recommend to the SEIAA to direct the proponent to comply with certain conditions within six months and on satisfactory submission of the compliance report, the proponent will be eligible for revalidation of EC order with the project life of nine years from the date of issuance of the first EC order.

In the 112th meeting of SEIAA, it is decided that as the total area is more than 5 Ha, as per the directions contained in the OM F.NO.L-11011/175/2018-IA-II(M) dated 12.12.2018 of MoEF&CC the project Proponent shall arrange for public hearing as per the guidelines given in EIA notification 2006 (Appendix IV) and SEAC should consider the recommendations of Public hearing while recommending for revalidation of EC after field inspection. The Proponent has not conducted Public Hearing.

As per the direction of the 112th SEIAA, the Sub Committee of SEAC revisited the site on 20.05.2022 to confirm the compliance status of the conditions suggested by SEIAA. The sub-

committee observed that the buffer zone of the mining area at many stretches is encroached for laying roads. Therefore, the roads should be shifted from the buffer zone and the entire buffer zone along with project area should be protected with fencing. There are also non-compliance with the maintenance of benches. The green belt development is also poor. The Authority directed SEAC to consider the recommendations of Public hearing while recommending for revalidation of EC after field inspection which is not done as the Proponent has not conducted Public Hearing. The Committee also observed that the IRO, MoEF & CC, Bangalore issued Satisfactory Compliance Certificate for the project on 30.03.2022. Considering all these, the Committee recommends that the PP may be directed to comply with the following and submit the compliance report with adequate proof including photographs at the earliest.

1. As directed by the SEIAA, the Proponent should arrange for public hearing as per the guidelines given in EIA notification 2006 (Appendix IV)
2. Benches should be maintained as per the approved mine plan and the benches should be corrected wherever there are violations.
3. Green belt in the buffer zone should be developed with immediate effect using indigenous species of trees and put in place arrangements for its nurturing.

131.11 Environmental Clearance for the quarry project in Sy.Nos. 51pt, 47/1pt & 49/2pt in Kizhuparamba Village, Ernad Taluk, Malappuram District, Kerala by Sri.K.Kunjumoyin, Managing Partner, M/s Friends Crushers – Judgment dated 29.03.2021 in WP(C) No.8118 of 2021 - Revalidation of EC (File No.861/SEIAA/EC1/2990/2015)

Decision: The Committee examined the proposal, verified the documents submitted by the PP and discussed the field inspection reports. The Committee observed that the 124th meeting of SEAC held on 24th to 27th August 2021 decided to recommend to the SEIAA to direct the proponent to comply with certain conditions within six months and on satisfactory submission of the compliance report, the proponent will be eligible for revalidation of EC with project life of eight years from the date of issuance of the first EC order. The PP submitted the documents sought including satisfactory certified compliance report of from the IRO, MoEF & CC, Bangalore. As per the direction of the 112th SEIAA, a Sub Committee of the SEAC conducted the site visit on 20.05.2022 to verify the compliance status of the conditions suggested by

SEIAA. Accordingly, the Committee decided to direct the PP to take the following corrective measures urgently.

1. Benches should be maintained as per the approved mine plan. Wherever there are no benches, it should be corrected.
2. Buffer zone at many stretches is encroached for laying roads. The entire project area is not covered with fencing. The roads should be shifted from the buffer zone and the entire buffer zone along with the project area should be protected with fencing.
3. Development of green belt along the buffer is poor and it should be corrected immediately using indigenous tree species and proper and regular nurturing.
4. The garland canal, silt traps and outflow channel should be provided covering the entire project area and it should be maintained periodically.
5. The settling pond should be cleaned properly and periodically so as to prevent the discharge of turbid water to the common natural drain.
6. The relatively thick soil/overburden column on the top portion of the quarry should be protected by providing adequate slope, offset clearance and other appropriate measures to prevent its sliding.

In the circumstances, the Committee decided to direct the proponent to take the above-said corrective measures strictly and submit the compliance report along with adequate number of photographs of the corrective actions taken as proof at the earliest.

131.12 Environmental Clearance for the building stone quarry project in Survey Nos. 138(pt), 836(pt), 837(pt), 839(pt), 847(pt) of Killimangalam Village, Thalappilly Taluk, Thrissur District, Kerala. – Judgment dated.29.09.2021 in WP(C) No.20472/2021 - Revalidation of EC – (File No.855/SEIAA/EC12979/2015)

Decision: The Committee examined the proposal, verified the documents submitted by the PP and discussed the field inspection report of the Sub-committee conducted on 17.06.2022. The Committee observed that the 126th meeting of SEAC recommended cancellation of the EC and issued stop memo and initiation of violation procedure as the proponent violated EC conditions as per the letter from the IRO, MoEF&CC, Bangalore. Now the PP produced the ‘Satisfactory’ Certified Compliance Report received from Integrated Regional Office, MoEF & CC, Bangalore vide E-File No.12.1/SEIAA/2017-18/31/KER/136 dated.25.04.2022. Based on

discussions, the Committee decided to direct the proponent to take the following corrective measures and submit the compliance report with adequate number of photographs and other proof, if any, at the earliest. The Committee also observed that the project is eligible for revalidation of EC for a project life of 10 years from 18.5.2017 after satisfactory compliance of the following conditions.

1. Maintain a width of 7.5m for the Buffer Zone all around the Project area
2. Strengthen the green belt along Buffer Zone further by planting indigenous tree species
3. Plant and nurture more number of avenue trees
4. Provide garland canal with silt traps, siltation pond and outflow channel covering the entire project area
5. Clean and desilt the garland canal, silt traps, siltation pond and outflow channel periodically
6. Discharge overflow water from the siltation pond the nearby natural drain after adequate filtration
7. Store the soil and overburden at the designed place with adequate protection
8. Rectify the bench height and width as per the mine plan.
9. Take corrective measures for the spots in the mine where the slope is more than 45°.

131.13 Application for Environmental Clearance the proposed Granite Building Stone quarry project in Survey No. 34/2, 35/1 in Mankada Village, Perinthalmanna Taluk, Malappuram District, Kerala by Mr. Abdulla Palliyil (File No. 1308/EC/2019/SEIAA)

Decision: The Committee examined the proposal, verified the documents submitted by the PP and the field inspection report of the Sub-committee conducted on 17.06.2022, as per the decision in the 126th SEAC meeting. The project proposes to extract 34700 TPA during the life of mine of 5 years. The distance to the nearest house is 68.9 m and the distance to Moderate Hazard Zone is 700 m from the project area. The Committee observed that the general slope in the project site is steep to very steep with moderate to deep soil cover at places. At places, the rock is exposed. The land portion west of the Project site (West of BP3 and BP4) is extremely steep. The overburden thickness in this portion of land is high and there are two parallel hollows through which natural drainage of the area occurs. The slope down below is higher at places. Altogether, there is possibility for this portion of land to be unstable, if there are intrusive actions on the upper slope. The proponent has not uploaded the mandatory documents such as Form 1M, Approved Mine Plan, Environmental Management Plan, District Survey Report, Biodiversity Assessment Report, etc.

In the circumstance, considering the land vulnerability of the downslope region located in continuity of the project site, it is not desirable to consider the project for environmental

clearance based on Precautionary Principle. Hence the Committee decided to recommend rejection of the proposal.

131.14 Environmental Clearance for the quarry project of Sri.Madappan Abdul Rasheed, Managing Director, M/s.Oasis Dale Aggregate Products Pvt. Ltd in Sy.Nos.43/2 & 43/3 of Venganellur Village, Thalappilly Taluk, Thrissur— Judgment dated.18.11.2020 in WP(C) No.25286 of 2020 – Revalidation of EC-reg :- (File No.2719/EC6/2021/SEIAA)

Decision: The Committee examined the proposal, verified the documents, and discussed the field inspection report of the Sub-committee, conducted on 17.05.2022 as per the decision in the 126th SEAC meeting. The PP obtained the Satisfactory Compliance Certificate from the IRO, MoEF & CC, Bangalore dated 28.4.2022. Based on discussion, the Committee decided to direct the proponent to comply with the following conditions and submit a compliance report with adequate proof.

1. The OB stored around the quarry on the uphill side should be protected by providing terraces along with planting trees of indigenous species. The lower slopes of these terraces should be protected with geo-textile and strengthened by planting suitable grass/trees.
2. The abandoned benches should be backfilled with soil and afforested. The height and width of the benches are to be corrected to maintain the slope.
3. The garland drain, silt traps and outflow channel should be provided covering the entire project and it should be maintained periodically by cleaning and removing the silt. The geo-tagged photographs of the same should be submitted as proof and subsequently provided along with the half yearly compliance report (HYCR).
4. A new OB dumping site at the lower side at the north-west boundary, as shown to the Sub Committee, should be set up with retaining wall for protection. Geo-tagged photographs of the site should be submitted.
5. Part of the buffer zone is used as road which should be corrected immediately
6. Green belt should be strengthened with indigenous species of trees
7. Compensatory afforestation plan should be commenced at the proposed site and geo-tagged photographs as proof should be submitted.

The Committee observed that subject to the compliance of the above 7 conditions, the project is eligible for revalidation of the EC with a Project Life of 17 years with effect from the original EC date, 31.5.2017.

131.15 Environmental Clearance for the quarry project of Sri.MathewM.Pathrose, Managing Partner, M/s. Blue Mountain Granites in Sy. No. 1982 at Vellikulangara Village, Mattathur Panchayath,

**Chalakkudy Taluk, Thrissur District – Judgment dated.04.12.20
in WP(C) No.25534 of 2020 — Revalidation of EC
(626/SEIAA/EC1/4809/2014)**

Decision: The Committee examined the proposal, verified the documents and discussed the field inspection report of the Sub-committee conducted on 16.05.2022. The proponent obtained Satisfactory Certified Compliance Report from the IRO, MoEF & CC, Bangalore dated 31-12-2021. Based on discussion, the Committee observed the following:

1. A crusher unit is functioning near the quarry site on the south-eastern side and the feeding point is at 15 m distance from the Boundary Pillar No.3.
2. The project life can be estimated as 10 years from the date of original EC, i.e., 5.2.2016, considering the depth to water table, environmental deterioration due to old quarry pit etc
3. There is no green belt along the buffer zone as the buffer is encroached for road.
4. The EC condition no.9, “Considering the proximity to forest land, a buffer distance of 100m shall be maintained from the boundary of the land possessed by the proponent. If it is not maintained always, the EC shall be liable to be withdrawn”. Based on the field inspection report, the buffer distance provided to Reserve Forest boundary is only 51 to 58m.
5. The proponent explained that the SEIAA in its 87th meeting (14-01-2019) reduced the setback distance between the mine lease area and nearby forest to 50m. This explanation is not acceptable as the decision of the SEIAA has no retrospective effect.

In the circumstance, considering the violation of EC condition, the Committee decided against the revalidation of EC due to non-compliance of EC conditions.

131.16 Environmental Clearance for the quarry project in Sy.No. 266/1, 266/2, 253/5, 253/15, 253/16 and 253/17 at Cherukavu Village, Kondotty Taluk, Malappuram District by Sri.Mayin Haji, M.C., M/s Calicut Granites (P) Ltd– Judgment dated 19.01.2021 in WP(C) No.1123/2021 - Revalidation of EC (676/SEIAA/KL/5356/2014)

Decision: The Committee examined the proposal, verified the documents and discussed the field inspection reports of the Sub-committees conducted on 19.07.2021 and 16.05.2022. The proponent obtained the Satisfactory Certified Compliance Certificate from the IRO, MoEF & CC, Bangalore dated 31-12-2021. The Committee observed that the 114th meeting of SEAC held on 06th to 08th October 2020 directed the proponent to submit EIA Report using standard TOR along with cumulative impact considering the carrying capacity of the cluster and Transportation Management Plan. As per the Judgment dated 19.01.2021 in the WP(C) No. 1123 of 2021, the Committee considered the revalidation of the EC of the proponent. The 112th SEIAA, as per the

recommendation of the 124th SEAC decided that the proponent will be eligible for revalidation of EC order with the project life of 17 years from the date of issuance of the first EC order subject to review every five years by complying certain conditions. As per the direction of the 112th SEIAA, the Sub-committee conducted the site visit on 20.05.2022 to verify the compliance status of the conditions suggested by SEIAA earlier. Based on discussion, the Committee observed the following:

1. The proponent attended satisfactorily to all the observations made by SEAC earlier and the compliance confirmed.
2. The project life is 17 years from the date of the original EC, i.e., 4.03.2016 subject to review every five years
3. The garland canals, silt traps and outflow channel is worn-out at portions and they need rectification
4. The garland drain and outflow channel should be provided with additional number of intermittent silt traps and they should be maintained periodically by cleaning and removing silt. The geo-tagged photographs of the cleaning process should be provided along with the half-yearly compliance report (HYCR).
5. Compensatory afforestation plan should be initiated prior to the commencement of mining and the geo-tagged photographs of the area should be provided along with HYCR.

The SEIAA in its 112th meeting decided that as the total area is more than 5 Ha, as per the directions contained in the OM F.NO.L-11011/175/2018-IA-II(M) dated 12.12.2018 of MoEF&CC, the project Proponent shall arrange for public hearing as per the guidelines given in EIA notification 2006 (Appendix IV) and SEAC should consider the recommendations of Public hearing while recommending for revalidation of EC after field inspection. Since the Proponent has not conducted the Public Hearing, the Committee decided to consider the project after the PP comply with the directions of the Authority.

131.17 Judgment in the NGT Original Application No. 88 of 2017 (SZ) dated 26th October, 2021 filed by Sri. George Isaac, against the quarrying operations of M/s Slab Aggregates, owned by Sri. Joseph John-Revalidation request along with documents. (519/SEIAA/EC3/3823/14)

Decision: The Committee examined the proposal. The 113th meeting of SEIAA held on 19th & 20th April 2022 directed SEAC to conduct a field inspection to ascertain whether any violation of conditions on recommendations made by SEAC has taken place and report the follow up actions to be taken against the PP for violation, if any, of EC conditions, in order to submit a report to

the Hon. NGT by the SEIAA. This is to comply with the directions contained in the Judgment in the Original Application No. 88 of 2017 (SZ) dated 26-10-2021 (received in the Authority on 01-11-2021). As entrusted by the SEAC, the Sub Committee consisting of Dr. K. N. Krishnakumar and Dr. Mahesh Mohan conducted a field inspection on 15-07-2022 and submitted a report which form **Annexure (2)** to this minute. As per the report, all the 8 specific conditions and 31 out of a total of 61 general conditions have been complied with. The PP reported compliance to 13 other general conditions which could not be verified as the quarry is not active now. Two general conditions are partially complied with and the PP is aware about the compliance requirement of 13 general conditions. In general, the compliance to EC conditions could be considered satisfactory. The Buffer Zone is not maintained with a width of 7.5m uniformly which need correction. The bench height and width in the abandoned portion of the mine is not maintained as per regulation which also need to be attended while doing the mine closure which should be done with immediate effect. The PP obtained satisfactory certified compliance report from the Integrated Regional Office of MoEF & CC, Bangalore. The Committee discussed the compliance report generated and decided to forward it to the SEIAA for immediate submission to the Hon. NGT.

131.18 Environmental clearance issued for the Proposed Quarry Project in Sy. Nos. 4/1pt, 4/3, 4/5 pt., 4/6 pt., 4/8, 4/9 pt., 4/11 pt., 4/12 pt., 61/3 pt., 61/5 pt., 61/8 pt., 62/2 pt., 62/3 pt., 62/4 pt. & 62/5 pt. at Uzhamalackal Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala of Sri. M. Nizarudeen, Managing Director, M/s Ponmudi Blue Metals Pvt. Ltd– Judgment dated 02.11.2020 in WP(C) No. 11614/2020 regarding revalidation of EC (873/SEIAA/EC1/ 3104/2015)

Decision: The Committee examined the proposal, verified the documents and discussed the field inspection report of the Sub-committee conducted on 24.7.2022. The Committee observed that in the 121st SEAC meeting, the proposal was recommended for rejection and to cancel the EC issued earlier based on the report of non-compliance of EC conditions from the IRO, MoEF & CC, Bangalore dt 12-4-2021. The 110th meeting of SEIAA considered the request of the PP for reconsideration of the recommendation of the SEAC. Accordingly, the Authority directed the PP to produce a Certified Compliance Report from the IRO, MoEF&CC, Bangalore and on receipt of the CCR, the SEAC was directed to conduct a field inspection to confirm whether the PP has complied with the non-compliances noticed by the IRO, MoEF&CC, Bangalore. The Authority also directed that if the SEAC is convinced that the PP has attended all the observations made by MoEF&CC, Integrated Regional Office, Bangalore and the EC can be extended, SEAC may

estimate the Project life as directed by H'ble High court of Kerala and recommend the same to SEIAA.

On receipt of the Satisfactory CCR from IRO, MoEF & CC, Bangalore dated 03.05.2022, the Sub Committee of SEAC conducted field inspection on 24.7.2022. It is noted that the mining lease expired on 21.11.2021. Considering the recommendations of the field inspection report, the Committee decided to direct the proponent to submit the following documents/details.

1. Report authenticated by the District Geologist regarding the quantity extracted from the quarry and subsequent production plan for the remaining quantity of building stone.
2. Proof/Photographs of Fix boundary pillars with stone and marked it with geo coordinates and submit.
3. Proof/Photograph of planting in the green belt with indigenous species
4. Proof and details of the CER works undertaken.
5. Proof/Photograph of maintenance of garland canal.
6. Proof/Photograph of side protection made for the OB dump.
7. Proof/Photograph of the bench correction carried out as benches are not provided as per the mine plan
8. Proof/Photograph of correction done for the outflow channel as it is absent at places and the continuity is not maintained with natural drain and as result the overflow gets diverted to the roads.
9. Proof/Photograph of strengthening of retention wall of the overburden dump to prevent the impact of debris flow, in case the overburden storage slides..

131.19 Environmental Clearance issued for the Quarry Project of M/s MetarocksPvt. Ltd in Sy.No.339/5, 339/6, 339/7, 339/7-2, 339/7-3, 339/7-4, 339/7-5, 339/7-6, 339/7-7, 339/14, 339/15, 339/16, 339/17, 339/18, 339/19, 339/20, 339/24, 339/25, 339/26, 340/9, 340/10, 340/11, 340/20, 340/20-1, 341/4, 341/5, 341/6, 341/7, 341/9-1, 341/9-2, 341/9-3, 341/9-4, 341/9-5, 341/10, 341/11, 341/12, 341/13, 342/2, 342/3, 343/9, 345/1, 345/1-3, 345/1-2, 345/1-16, 345/1-22, 345/1-6-1, 355/26, 341/2-1, 341/2-2 & 342/4, Aruvikkara Village and Panchayat, Nedumangad Taluk, Thiruvananthapuram District, Kerala - Judgment dated 03.08.2021 in WP(C) No.15172/2021 - Revalidation of EC.(File No. 235/SEIAA/KL/851/2013)

Decision: The 115th SEIAA observed that the EC was issued on 31.10.2014 and extended on 20.9.2019 for a single mine lease area of 7.3401Ha. Now two leases are approved, one for an area of 1.0150 Ha and the other for an area of 5.5433 Ha (Total 6.5583 Ha), which is less than the area mentioned in the earlier EC. The Survey Nos. 341/2-1 and 341/2-2 figured in the earlier EC are not found included in any of the two lease areas. Besides, a new Survey No. 342/3 included in the Mine Plan for the 2nd lease area. The mineable reserve as per the mining plan is

also different. Since, the project area, survey numbers and the minable reserves differs from the original EC, the application cannot be considered for revalidation. The Authority observed that a new Environmental Clearance is required for this project and decided to post the case back to SEAC for fresh appraisal. As the total area is more than 5 Ha SEAC shall also follow all procedures relevant for appraising projects of this category. M/s Metarock Pvt Ltd vide letter dated 23.07.2022 submitted clarification to the decision of 115th SEIAA meeting. Also, M/s Metarock Pvt Ltd vide letter dated 25.07.2022, forwarded letter dated 11.07.2022 of District Collector, Thiruvananthapuram which stated that the validity of NOC of the Govt. land in Sy.No.342/4 (which is the part of the EC area) is up to 17.05.2024.

The Committee examined the observations of the SEIAA, clarification submitted by the proponent and perused the file in detail and decided to direct the proponent to submit a fresh application for EC as observed by the Authority in its 115th meeting. The Committee also decided to direct the proponent to submit an application for the approval of ToR to conduct EIA Study as the area is more than 5 Ha.

131.20 Environmental Clearance issued for the proposed Commercial Complex (Hotel, Convention Centre & Shopping Mall) project, M/s LULU International Shopping Mall Pvt. Ltd., Thiruvananthapuram District - Clarification sought regarding CER/CSR commitments (File No.1047/EC1/899/SEIAA/2016)).

Decision: The Committee examined the direction of SEIAA and decided to nominate Sri. M. Dileep Kumar, Member, SEAC to the proposed Monitoring Committee.

131.21 Environmental Clearance for the Mining of Building Stone Quarry Project in Re-Survey No. 8/9, in Alakkod Village, Thodupuzha Taluk, Idukki District, Kerala by Mr. U. I. John, Managing Partner, M/s Marthoma Granites - Judgment of Hon'ble Supreme Court in C.A. No. 878/16 arising from SLP(C) 27079/2011 filed by M/s Marthoma Granites. (1413(A)/EC1/2019/SEIAA)

Decision: The Committee examined the proposal and discussed the decisions in the 114th and 115th meeting of SEIAA. The Committee perused the judgment of Hon'ble Supreme Court dated 25.4.2022 as directed by the SEIAA in its 115th meeting. As per the judgement, a decision on the application will have to be taken within 3 months from the date of judgement and thereafter, the PP may apply for renewal of license. Therefore, the Committee decided to direct the PP to implement all the directions of the SEIAA and submit a compliance report. The PP shall also submit a report on the observations of the Environmental Scientist of the SEIAA on the 3rd party

audit, particularly, considering the fact that the production of rubble from 01-04-2014 to 31-07-2015 was 117661 MT as per the 3rd party audit, but the same is not be verified/ audited by Mining and Geology Department (The proof regarding production details submitted by the proponent is the copy of the register showing the production and dispatch of building stone). It should also be verified whether the production in cubic ft (one ton = 14 cuft) and the average sales price per cubic ft (Rs 8/-) from 2008-2015 for the entire period is considered or not. Further, the PP should also verify whether the total for the period was 116511 MT or 117661 MT as audited by the 3rd party.

131.22 Environmental Clearance for the Quarry Project in Sy. No. 611/1A-303-147 at Keerampara Village and Panchayath, Kothamangalam Taluk, Ernakulam District, Kerala by Sri.RejiKuriakose and Smt. JeevaReji
File No: 144/SEIAA/KL/2745/2013

Decision: The Committee observed the decision of the 115th meeting of the SEIAA and decided to invite the proponent for a hearing in the next meeting.

131.23 Environmental Clearance for Housing Project (Sobha Rio Vista) in Sy. No. 159/28B (p) at Calicut, FerokePetta (Chandhakadavu), Feroke Village and Panchayath, Kozhikode Taluk, Kozhikode District, Kerala by M/s Sobha Developers Ltd. (File No. 371/SEIAA/EC4/2611/2014)

Decision: The Committee observed the decision of the 115th meeting of the SEIAA and decided to entrust Dr. C.C Harilal and Sri. Sheikh Hyder Hussain for a field inspection and report.

131.24 Environmental Clearance for the Proposed Laterite Building Stone Quarry Project in Re.Sy.No.113/21 (113/2) at Mavoor Village, Kozhikode Taluk, Kozhikode District, Kerala by Sri.Suresh.T- Judgment dated 03.03.2022 in WP©No.7019/2022 (File No.1737/EC4/2020/SEIAA)

Decision: The 115th meeting of the SEIAA decided to refer back the case to SEAC to conduct another field inspection with notice to the Project Proponent, Panchayat Authorities, District Geologist and the Petitioner and submit a report with specific recommendation either to close the Project depending on the gravity of the situation or to continue the project with sufficient safeguards. Accordingly, the Committee decided to entrust Dr. C.C Harilal and Sri. Sheikh Hyder Hussain to conduct field inspection with notice as mentioned above and give a definite recommendation.

- 131.25 Environmental Clearance for Laterite Building Stone Quarry Project in Re.Sy.No.44/1, 41/1, Thalikulathur Village, Kozhikode Taluk, Kozhikode District, Kerala by Sri.Moyimonul Rasheed- (Contempt case filed by Sri.Chandhukutty in violation of the Judgment dated 28.02.2020 in WP (C) No.5572/2019) (SIA/KL/MIN/150010/2020) {1627/EC4/2020/SEIAA}**

Decision: EC was issued by SEIAA for the above project on 05/10/2021 for two years based on a field inspection conducted by the SEAC and the recommendation of the SEAC. However, the EC was issued by SEIAA before making available a copy of the inspection report to the project proponent and the petitioner and before affording reasonable opportunity of being heard the petitioner and the project proponent. The petitioner, Sri.Chandhukutty filed a contempt case against the noncompliance of Judgment dated 28.02.2020 by the SEIAA. Subsequently, the field inspection report was made available to the petitioner as per the direction of the Court and the EC issued on 05.10.2021 was recalled vide order dated 09.05.2022. The Authority also heard the Proponent along with his RQP and the Advocate on behalf of the Petitioner. The 115th meeting of the SEIAA, after perusing the proposal and the hearing notes of the Petitioner, the Proponent and the Panchayat Secretary, decided to refer the case back to SEAC for conducting field inspection with prior intimation to the Project Proponent, Complainant and Panchayat Secretary sufficiently in advance and submitting definite recommendations.

Accordingly, the Committee decided to entrust Dr. C.C Harilal and Sri. Sheikh Hyder Hussain to conduct field inspection after prior intimation to the Project Proponent, Petitioner and Panchayat Secretary sufficiently in advance and submit definite recommendations.

- 131.26 Terms of Reference (ToR) for the Proposed Granite Building Stone Quarry in Sy.No.(Un Survey) at Kumaranellor Village, Kozhikode Taluk, Kozhikode District, Kerala-Judgment dated 10.05.2022 in the WPC No.5545/2021 filed by M/s Mukkom Property Developers (P) Ltd, before the Hon'ble High Court of Kerala. SIA/KL/MIN/43696/2019) (File No.1448/EC3/2019/SEIAA)**

Decision:The Committee verified the item with the legal opinion of the Standing Counsel and decided to direct the SEIAA Secretariat to address the Tahsildar, Kozhikkode Taluk to get a report on the nature of land. After getting the report the proposal will be appraised by the SEAC.

- 131.27 Environmental Clearance issued by DEIAA, Kannur -Judgment dated 04.01.2022 in the WPC No.20583/2021 filed by Sri.SavithErayi, Kannur before the Hon'ble High Court of Kerala (File No.2792/EC4/2021/SEIAA)**

Decision: As per the decision of the 113th meeting of SEIAA, the SEAC has to give definite recommendations for the consideration of SEIAA after considering the hearing notes of the Proponent and the Complainant, if required after conducting a field inspection with notice to both the parties. Accordingly, the Committee decided to entrust Sri. V. Gopinathan and Dr. A.N. Manoharan to study the hearing notes, conduct the filed inspection with notice to both the parties and submit a report with definite recommendations.

131.28 Inspection conducted at quarries at Kasargodby Vigilance Department- Recommendations. (File No.3045 /A1/2021/SEIAA).

Decision: Considering the report of the Vigilance Department regarding the disparities found out in some of the quarries in Kasargod District and specific mention on M/s. Star Granites, Kinningar, Kasargod, the 113th meeting of SEIAA asked for an inspection by the SEAC to verify the status of compliance of EC conditions by M/s. Star Granites, Kinningar, Kasargod, reportedly owned by Sri. Dave Stephen and provide definite recommendation for action by SEIAA, if required. SEIAA also decided to inspect randomly a few quarries as a part of post monitoring of ECs as and when inspection in Kasargod District is being conducted. Accordingly, the Committee entrusted Sri. V. Gopinathan and Dr. A.N. Manoharan for field inspection and submission of report. The SEIAA Secretariat is requested to provide the copy of the EC order and other details of the quarry namely, M/s. Star Stone Quarry to the field inspection team.

131.29 Public Complaints not relevant to decisions of SEIAA/SEAC (1963 /A1/2022/SEIAA).

Decision: The Committee noted the decision of SEIAA.

131.30 Application for EC for the Granite Building Stone quarry of M/s. Delta Aggregate Sands Pvt. Ltd. for an extent of 3.7691 Ha. in Survey. Nos.889/1-15-1 & 889/1-15, Perunad Village, Ranni Taluk, Pathanamthitta District, Kerala SIA/KL/MIN/163854/2020 1773/EC1/2020/SEIAA

Decision: The 115th meeting of the SEIAA, while issuing EC to the project, stated that the SEAC shall verify the apprehensions expressed by the Revenue Divisional Officer, Thiruvalla in the letter dated 27.04.2022 and suggest additional mitigation measures if any required to be incorporated as part of the EC within one month. The Authority also directed the Project Proponent to execute an affidavit to carry out the mitigation measures as suggested by the SEAC. The Committee studied the proposal and the letter received from RDO, Thiruvalla dated 27.04.2022 and observed that the required specific and general conditions required for ensuring appropriate environmental management of the site and its environs are included for compliance

as part of the EC order. Considering the concern raised by the RDO, Thiruvalla, the Proponent may be given the following additional directions.

1. The wild life movement (direct & indirect) in the impact zone of the project should be monitored scientifically with the support of Kerala Forest Research Institute and report submitted along with Half Yearly Compliance Report (HYCR)
2. If any wildlife movement is observed, adequate and appropriate environmental management measures may be taken after obtaining scientific advice from the Forest and Wildlife Department and the same should be intimated to the SEIAA.

Additional Agenda

131.31 Environmental Clearance for the quarry project in Sy.No.172(P) at Kodyathur Village, Kozhikode Taluk, Kozhikode District- Judgment in WP (C) No.424/2021 dated 07.01.2021 filed by Sri.P.M.Aboobacker, Palakkal Granites - regarding the validity of EC. – Legal Opinion Received. (File No.137/SEIAA/KL/2567/2013)

Decision: The Committee examined the proposal and studied the Legal Opinion of the Standing Counsel. In the Legal Opinion it is stated that “In the circumstances, the decision taken by SEIAA in its 112th meeting directing the project proponent to arrange for public hearing is legally sustainable and a public hearing with regard to the project need not be avoided, if Environment Impact Assessment is done at the time of revalidation, though there was no such requirement at the time of original grant of EC on 16.01.2016”. In the revalidation cases, the Hon’ble Court was directed to consider the applications for enhancement of validity of the EC, by estimating the project life of the particular project. Since EIA is not done at the time of revalidation, the Committee observed that there is no requirement to suggest Public Hearing on the project. In the above situation, the Committee decided to act up on this project after getting a direction from SEIAA on the matter considering the Legal Opinion of the Standing Counsel.

131.32 Environmental Clearance issued to Sri. George Kochuparambil, for the Building Stone Quarry Project in Re survey Nos. 354/4, 354/5, 355/1pt, 351/1pt, 328/5, 350, 352/1pt, Manakkad Village, Thodupuzha Taluk, Idukki District, Kerala- Field Inspection Report Received (1137/EC/SEIAA/KL/2017)

Decision: The Committee examined the proposal, verified the documents and discussed the field inspection report of the Sub-committee conducted on 30.07.2022. The proponent has obtained the Satisfactory Certified Compliance Report from the IRO, MoEF & CC, Bangalore dated

29.12.2021. During field inspection, the Sub-committee observed that the project site is well maintained with all the necessary environmental safeguards. The PP has complied with the EC conditions except maintaining 7.5m width for the buffer zone uniformly. The nearest house is at a distance of 103 m from the project area. In the circumstances, the Committee decided to recommend the revalidation of EC for the project life of 16 years from the date of original EC i.e., 17.03.2018 subject to the following specific conditions in addition to the existing specific and general conditions.

1. The buffer zone should be maintained with a uniform width of 7.5m and it should be used for developing and maintaining thick green belt.
2. The garland canal, silt traps and outflow channel should be maintained periodically by cleaning and desilting and geo-tagged photographs of the process should be included in the half yearly compliance report
3. The impact of vibration due to blasting on the nearest houses and other built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.

During the field visit, the Sub-committee examined the complaint received from the inhabitants of Pallavi Nagar Residents Association and found that it is not pertaining to the project under consideration and is against another quarry. However, the Committee decided to suggest that the complainant may be heard for avoiding denial of justice.

131.33 Judgment dated 09-08-2021 in WP (C) No. 16000 of 2021 (U) - regarding the validity of EC- (Environment clearance for Mining of Building Stone in Survey number of 294/1pt, 294/2 pt, 295/5, 295/6 pt, 296/2 pt and 356/1-1 pt in Alakkode Village, Thodupuzha Taluk, Idukki - Environmental Clearance letter No. 01/2016/DEIAA/KER dated 20-04-2017 - Revalidation of EC (2577/EC3/2021/SEIAA)-Field Inspection Report Received

Decision: The Committee examined the proposal and verified the documents. The Committee observed that the original EC was issued from DEIAA Idukki for a period of 5 years from April 20, 2017. Mine life as per the original approved Mining Plan is 14.4 years. The Committee observed that the original EC was completed on 19th April 2022 and the proponent has applied to SEIAA for revalidation along with new scheme of mine. However, the proponent got a verdict from the Hon. High Court for the movement permit till the end of the mine life as per the scheme of mine (31.03.2029). As per the order from the Court, the Department of Mining and Geology, Idukki District gave the movement permit and the quarry is working as per the permit. The new scheme of mine showed seven years of mine life (01.04.2022 to 31.03.2029).

The 114th meeting of the SEIAA directed SEAC to conduct a field inspection to assess the compliance of EC conditions and take a decision for revalidation by considering the merit of the

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 Kolar 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. Haneefa Kottayam 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 sone 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 Kodiyathur 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 burden 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 area 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 Thiruvallloor 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 Thiruvallloor 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, ThrissurTaluk, 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 overlayed 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 (39.00 Areas)

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 rod 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:-281/2-3 of 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 Bhadrar 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				

	Rain water harvesting Pond at ward 17 Chathanchira, Vaniyamkulam panchayath.		estimate cost incurred for each item of work done.	assessed.				Certificate to be supported with approval from PWD/ Panchayat, and completion certificate from the owner of the assets.
3	Reconstruct and restore Pond at Thavalakkulam , Ward -15. Vaniyamkulam panchayath.	13	Complied But couldn't quantify and estimate cost incurred for each item of work done.	Item wise breakup of work executed need to be assessed.				
Ecological Environment (22.5 lakhs)					10	10	2.5	
1	Avenue plantation in coordination with social forestry department – 3 Lakhs/Annum – 5 years	15	During presentation , it was stated that the avenues were planted, but it was not noticeable during the site visit.		3	3	9 (3 lakh each for remaining 3 years)	Submit the Agreement and Certificate from Social Forestry Department and Permission of the relevant authority to plant trees in their avenue. Also submit geotagged photos of the sites and Proof/certificate of the cost for making and installing tree guards, and proof of wages spent on planting to be submitted Year wise.
2	Development of medicinal garden in schools/ hospital etc.– 0.5 Lakhs/Institution/ year – 5 Institutions – 3 years	7.5	(Locations are given by the proponent during the site)		2.5	2.5	2.5	Provide geo tagged photographs of the planted sites, certificate from the Head of the Institution and proof of the amount spent in planting the garden.
	1. Nehru College of Nursing, Panayur Road.	1.5	Complied Year 1 Medicinal		0.5	0.5		

	Vaniyamkulam.		plants are seen planted during the field visit.				
	2. Cherpulassery Govt. V.H.S.S Shoranur Constituency	1.5	Not visited		0.5	0.5	
	3. Pathirippala Govt H.S.S Kongad	1.5	Not visited		0.5	0.5	
	4. Govt HSS Shoranur	1.5	Not visited		0.5	0.5	
	5. Govt HSS Marayamangalam , Shoranur	1.5	Not visited		0.5	0.5	0.5
Air Environment and Noise Control (32.8 lakhs)					10	10	12.8
1	Ambient air quality and Noise monitoring at three locations - once in a season at the following 3 places	5					Submit proof for the payment made to the equipment supplier and details of cost incurred for conducting seasonal monitoring at public place (Vaniyamkulam Junction).
	1.Vaniyamkulam Junction		Not visited				
	2.Govt Vocational Higher secondary school for the Deaf. Ottapalam		Complied	Proof of purchase of equipment & monitoring data to be verified.			Submit a certificate of receipt of the equipment and copy of the asset register signed by the head of the institution
	3.Kothayur L.P School.		Not visited				Submit Geo tagged photos of the above sites fitted with equipment and photos or reports of Ambient Air Quality Monitoring performed at Vaniyamkulam Junction (authenticated by the head of the

								institution)
2	Financial assistance for setting up of Automatic Weather Station for a school/college long term data acquisition to support regional development plans	25 (5 Lakhs/ Station-5 location s)						Submit purchase bills, proof of payment, details of cost incurred for seasonal monitoring, monitoring data and geo-tagged photographs. Submit a certificate of receipt of the equipment and copy of the asset register signed by the head of the institution
	1.Govt HSS	5	Not visited					
	2.Ashadeepam Special School	5	Complied, but not with automatic weather station.	Proof of purchase of equipment & monitoring data to be verified.				
	3.LPS	5	Not visited					
	4.SN Trust College	5	Not visited					
	5.KVR HS	5	Not visited					
3	Providing no horn signage at sensitive locations – near hospitals, schools, courtsetc.in coordination with PWD	2.8	Not seen at the locations where the team was taken.					Approval from PWD, Geotagged photos, Bills of expenditure.

Land Environment (52.7 lakhs)

1	Training programme in schools for source segregation of waste & provision of colour coded bins (Rs.10000/school/ annum – 20 schools – 3 years)	6	Only list of schools provided. Observed that biomedical waste bins are kept in Ashadeepam school		2	2	2	Photos of all training programmes, attendance, certificate from 20 schools stating the date of training programme conducted, year wise break up of training programmes. Geotagged photos of
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								segregated storage facility in 20 schools and proof of expenditure.
2	Providing Colour Coded bins to Vaniyamkulam Panchayat	0.2	Reported that they provided mini material collection facility (MCF) at many places in the Panchayat instead of colour coded bins. List not made available	Submit certificate from Panchayat Secretary showing the locations where the MCFs are installed and the cost, Geotagged photographs of all the bins/MCF and proof for the expenditure for MCF				
3	Support to local farmers for improving soil quality /crop yield through Agriculture department	2	Not verified	Submit the list of farmerwho were supported with contact details, copy of bills for the payment made for soil testing and letter or proof of involvement of Agricultural Department. Year wise expenditure details, if applicable				
4	Afforestation programme in degraded forest areas through forest department.	3.5	Shown the planted area at the nearby forest as mentioned in the plan. It was difficult to identify the planted ones from the natural forest.	Produce a certificate from the Forest Range Officer concerned. Proof of labour cost, plant cost etc				
5	Providing Sanitary Napkins Incinerator for	9	Instead of this school, an electric	Submit proof for the payment made to the equipment supplier, certificate from the School authorities stating that that equipment was received by them with serial number of				

	Govt H.S.S a and Cherpulassery Govt school		sanitary pad destroyer is installed in Ottappalam Govt Deaf and Dumb school.	the equipment, signed copy of asset register, geo-tagged photographs showing serial number of the equipment installed Year wise expenditure details if applicable.
6	Renovation of Vaniyamkulam Market.	7	Paved rubbles in the market by the PP	Submit a certificate from a Chartered Engineer providing details of work executed for Renovation of Vaniyamkulam Market and provide a valuation of that work indicating cost incurred in each item following applicable schedule of rates of civil works in that area supported with quantity of work done, copy of work order and copy of bills for the payment made to the contractor for ascertaining the cost incurred. Completion certificate from Panchayat Secretary.
7	Construct a Park for Children in Liaison with Vaniyamkulam Panchayat.	25	Claimed to have installed parks in 8 schools and 2 open places. Verified in Ashadeepa m school	Submit a certificate from a Chartered Engineer providing details of work executed for construction of Parks for Children and provide a valuation of that work indicating cost incurred for each items following applicable schedule of rates of civil works in that areasupported with quantity of work done on each item, copy of work order, copy of bills for the payment made to the contractor for ascertaining cost incurred Copy of letter or sanctions received form VaniamkulamGP. Geo tagged photos of Parks developed in VaniamkulamGP area and completion certificate from Panchayat secretary and school authorities.

Socio Economic Environment (106 lakhs)

1	Improving playground facilities in – school and colleges	8	Not verified	Submit a certificate from a Chartered Engineer providing details of work executed and provide a valuation of the work indicating cost incurred in each item following applicable schedule of rates of civil works in that area supported with quantity of work done on each item, with proof for ascertaining cost incurred, and copy of letter or sanctions or completion certificate received from School authorities. Geo tagged photos of Play Ground developed in School / College.
2	Providing learning aid in nearest Anganwadis- 6 No.	6	Complied	Submit proof of purchase,Geo tagged Photos of work done, proof of letter specifying items from Anganwadi teacher.
3	Providing learning aid	7	Not verified as the day	Submit proof of item wise purchase details–braille, hearing aid etc.

	facilities for schools for differently abled children – braille, hearing aids etc.		of visit was a holiday	Also submit a certificate from the school authorities stating that that equipment was received by them.
4	Renovation of Public Health Centre Vaniyamkulam with drinking water facility and plantation.	28	Complied except plantation.(No space for plantation)	Submit a certificate from a Chartered Engineer providing details of work executed for renovation of PHC, Vaniyamkulam for providing drinking water supply and plantation within the compound and provide a valuation of work indicating cost incurred in each item following applicable schedule of rates of civil works in that area supported with quantity of work done on each item, proof for ascertaining the cost incurred. Copy of letter or sanctions received from PHC/ Vaniyamkulam Grama Panchayat and completion certificate. Compensatory plan for plantation.
5	Construct Bus waiting Sheds at the following Locations.			Submit a certificate from a Chartered Engineer providing details of work executed for construction of 3 Bus waiting Sheds at 3 locations and provide a valuation of that work indicating cost incurred in each item following applicable schedule of rates of civil works in that area supported with quantity of work done for each item with proof of the payment made to the contractor, for ascertaining the incurred cost and copy of letter or sanctions received from PWD Authorities/ Grama Panchayat allowing for establishing the facility. Geo tagged photos of 3 waiting sheds constructed in Grama Panchayat area and completion certificate specifying the amount from PWD/Panchayat secretary
	1. Waiting shed for Bus stop opposite side of P.K Das Hospital Vaniyamkulam towards Shornur.	25	Not done. (Construction of the bus stop was difficult due to space constraints)	
	2. Waiting Shed for Bus stop at Manissery (GP Auditorium)	17	Complied	
	3. Waiting shed at Koonathra.	15	Couldn't verify	

Table 2 : Status of Compliance of Specific Conditions

No	Specific Condition	Status of Compliance
1	Ensure functioning of the Biogas plant properly	Complied
2	The RWH pond should be properly fenced.	Complied
3	Water quality of the RWH pond must be checked periodically & ensure proper filtrations	Complied
4	Ensure collection, storage and disposal of hazardous wastes including bio medical waste as per rules	Complied

Table 3 :Proof of Other Specific Condition

No.	Specific Condition	Status of compliance
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1	Copies of Minutes of monthly Monitoring Committee meetings held for planning and evaluation / monitoring of Remediation Plan implemented and copies of half yearly compliance reports.	<ul style="list-style-type: none"> • Shown minutes of the monitoring committee. • Submit certified copies of Monitoring Report and half yearly compliance reports.
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ANNEXURE 2

REPORT OF THE SUB COMMITTEE OF THE SEAC FOR FIELD INSPECTION OF THE QUARRY OF M/S SLAB AGGREGATES WITH AN AREA OF 8.6330 HA IN SY NO.320/2, 320/3 OF AIKARUNADU NORTH VILLAGE, KUNNATHUNADU TALUK, ERANAKULAM TO VERIFY THE VIOLATION OF EC CONDITIONS, IF ANY, AND SUGGESTING RECOMMENDATIONS FOR FOLLOW UP ACTIONS, IF ANY (File No. 519/SEIAA/EC3/3823/14)

A Granite Building Stone Quarry Project owned by Sri. Joseph John with an area of 8.6330 Ha is located in Aikaranad North Village, Kunnathunad Taluk, Eranakulam District. Sri. George Isaac filed a Petition No. 88 of 2017 (SZ) against the quarrying operations of M/s Slab Aggregates, owned by Shri. Joseph John before the Hon'ble National Green Tribunal against the grant of Environmental Clearance (EC) by the 2nd respondent (SEIAA) for conducting building stone quarrying. The Hon'ble NGT in its order directed the Authority to ascertain as to whether any violation of conditions imposed or recommendations made by the Expert Appraisal Committee (EAC) which were accepted by the SEIAA, Kerala have been complied with or not and if so they are directed to take appropriate action against the project proponent for violation (if any) committed in accordance with law and submit a report in this regard to this tribunal within a period of six months. The 113th meeting of SEIAA held on 19th & 20th April 2022 directed SEAC to conduct a field inspection to ascertain whether any violation of conditions on recommendations made by SEAC has taken place and report the follow up actions to be taken against the PP for violation, if any, of EC conditions, in order to submit a report to the Hon. NGT by the SEIAA. This is to comply with the directions contained in the Judgment in the Original Application No. 88 of 2017 (SZ) dated 26-10-2021 (received in the Authority on 01-11-2021). As entrusted by the SEAC, the Sub Committee consisting of Dr. K. N. Krishnakumar and Dr. Mahesh Mohan conducted a field inspection on 15-07-2022 and the findings are reported here under.

1. Compliance of Specific Conditions

While issuing environmental clearance to the project, eight specific conditions were stipulated the compliance of which are tabulated below.

Sl. No.	Conditions in EC	Compliance status
1	Protection wall is needed all along the quarry wherever deep cuttings are present	Complied
2	Benches are not seen in the mining operations and this has to be strictly adhered	Complied
3	Overburden is to be stored in the designated place and no compromise should be made on this point	Complied
4	Drainage from the quarry should be directed through Northern corner and desiltation should be done periodically	Complied
5	Considering the topography, Garland canals are not to be insisted	Complied
6	Approach road should be maintained properly	Complied
7	The blasting time must be displayed and strictly adhered too	Complied
8	Dust suppression mechanism must be in place	Complied

2. Compliance of General Conditions

No	General Conditions	Compliance Status
1	Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR, unless otherwise specified.	Complied. An abandoned quarry is used as a Rain Water Harvesting System
2	Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.	Complied
3	Suitable avenue trees should be planted along either side of tarred road and open parking areas, if any, including of approach road and internal roads	Complied
4	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project	Complied Installed solar and 1 kw roof top panel for solar energy generation. More can be done in this regard
5	Sprinklers shall be installed and used in the project site to contain dust emissions	Reported to have Complied Quarry is now closed. The mobile sprinklers reported to have been used for containing the dust in the quarry area is not seen functioning as the quarry is now closed
6	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent	Partially complied. Efforts are seen taken to grow trees in the land adjacent to the project site owned by

		the proponent. Mine closure is yet to be done
7	At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the E.C.	Complied As per the EC the life of mine is 65 years and only 5 years completed. Yet to complete the mining activity in the project site. The proponent is aware about the EC conditions. Presently more than 10% area is found as pit for water storage.
8	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented	Complied
9	The lease area shall be fenced off with barbed wires to a minimum height of 4 ft. around, before starting of mining. All the boundary indicators (boards, stores, markings, etc) shall be protected at all times and shall be conspicuous	Complied All the boundary indicators are protected
10	Warning alarms indicating the time of blasting (to be done at specific timing) has to be arranged as per stipulations of Explosive Department	Complied The quarry is now closed. At the time of visit, it is observed that the blasting time has been displayed as per the stipulations.
11	Control measures on noise and vibration prescribed by KSPCB should be implemented	Reported to have complied The quarry is now closed
12	Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions	Reported to have Complied The quarry is now closed
13	Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency	Reported to have Complied The quarry is now closed
14	A licensed person should supervise/control the blasting operations	Reported to have Complied The quarry is now closed
15	Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials	Complied Except within the mining area and immediate surroundings
16	Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/specific	Partially Complied Overburden material is stored within the site; Mine closure is yet to take place

	conditions	
17	Height of benches should not exceed 5 m and width should not be less than 5 m, if there is no mention in the mining plan/specific condition	Complied Benches are provided and with and height is 5mx5m.
18	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided	Reported to have Complied The quarry is now closed
19	Maximum depth of mining from general ground level at site shall not exceed 10 m	Complied
20	No mining operations should be carried out at places having a slope greater than 45°	Complied
21	Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB	Complied
22	The workers on the site should be provided with the required protective equipment such as ear muffs, helmet etc	Reported to have Complied The quarry is now closed
23	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water	Not applicable as per the EC specific conditions as Garland canals are not insisted due to topographical variations and drainage from the quarry should be directed through Northern corner which is complied as reported in the table showing compliance to specific conditions
24	The transportation of minerals should be done in covered trucks to contain dust emissions	Reported to have Complied The quarry is now closed
25	The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project	Complied More number of local trees especially fruit trees have been planted
26	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations	Complied
27	Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department	Complied
28	A minimum buffer distance of 100 m from the	Complied

	boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided	Nearest habitation is at a distance greater than 150m
29	100 m buffer distance should be maintained from forest boundaries	Not applicable. No forest in the vicinity
30	Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity	Complied The quarry is now closed
31	All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives	Complied The quarry is now closed
32	In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which only the E.C. is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority	The proponent is aware of the matter
33	The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protections) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner	The proponent is aware of the matter
34	The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Preventions and Control of Pollutions) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notifications, 2006	The proponent is aware of the matter

35	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Environment Impact Assessment Authority (SEIAA) office and may also be seen on the website of the Authority at www.seiaakerala.org . <u>The advertisement should be made within 10 days from the date of receipt of the clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation</u>	Complied PA has advertised in two Newspapers namely the Mathrubhoomi (Malayalam) and Times of India (English) on 03.07.2016 and 02.07.2016 respectively.
36	A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat/District Panchayat/Municipality/Corporation/Urban Local Body and also to the Local NGO, if any from whom suggestions/representations, if any, were received while processing the proposal, <u>The Environmental Clearance shall also be put on the website of the company by the proponent</u>	Complied PA has shared a copy of the clearance letter to concerned Grama Panchayath for suggestions and representations. The EC was also showed on the company website (http://slabsandaggregates.com/)
37	The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) office	Complied
38	<u>The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft. x 3 ft. with green background</u>	Complied

	and yellow letters of Times New Roman font of size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public	
39	The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed	Complied
40	No change in mining technology and scope of working should be made without prior approval of the SEIAA. No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, as applicable	The proponent is aware of the matter
41	The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any originating from the mine lease shall be taken	Complied
42	Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions	Reported to have Complied The quarry is now closed
43	The top soil, if any, shall temporarily be stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8 m and width 20 m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion	Complied The OB dump is seen deposited and it is not stacked and protected properly. The same has been used for the planting of trees in the nearby area.

	and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining	
44	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly	Complied According to the special conditions, the drainage is directed to old quarry pit and the water pumped out from the quarry after silting is clear.
45	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM ₁₀ and PM _{2.5} such as haul Road, loading and unloading points and transfer points – it shall be ensured that ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard	Reported to have Complied The quarry is now closed
46	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangements on haul roads, loading and unloading and at transfer points should be provided and properly maintained	Reported to have Complied The quarry is now closed
47	Measures should be taken for control of noise levels below 85 dBA in the work environment	Reported to have Complied The quarry is now closed
48	A separate environmental management cell with suitable qualified personnel should be setup under the control of a Senior Executive, who will report directly to the Head of the organization	Complied The quarry is now closed
49	The funds earmarked for environmental protection measures and CSR activate should	Complied

	be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environment Impact Assessment Authority (SEIAA) office	
50	The Regional Office of MoEF and CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full co-operation to the Officer(S) of the Regional Office by furnishing the requisite data/information/monitoring reports	The proponent is aware of the matter
51	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010	The proponent is aware of the matter
52	Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986	The proponent is aware of the matter
53	The SEIAA may revoke or suspend the order, for non implementation of any of the specific or this implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection	The proponent is aware of the matter
54	The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project	The proponent is aware of the matter
55	This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Govt. of Kerala, whichever is earlier	The proponent is aware of the matter
56	The Environmental Clearance will be subject to the final order of the Court(s) in any	The proponent is aware of the matter



	pending litigation related to the land or project, in any court of law	
57	The mining operation shall be restricted to above ground water table and it should not intersect ground water table	Complied
58	All vehicles used for transportation and within the mines shall have PUC certificate from authorized pollution taking centre. Washing of all vehicles shall be inside the lease area	Reported to have Complied The quarry is now closed
59	Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface water and ground water for the project	The proponent is aware of the matter
60	Regular monitoring of flow rates and water quality upstream and down streams of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly reports to SEIAA	The proponent is aware of the matter
61	Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed	Complied

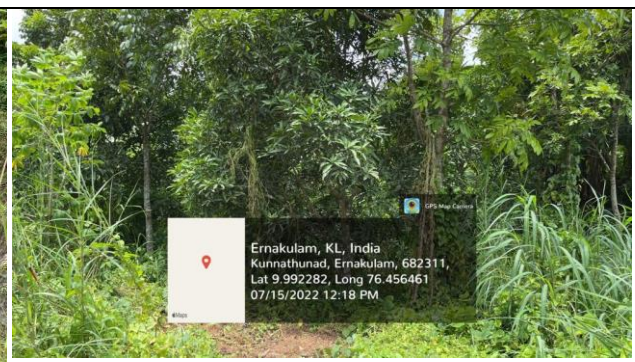
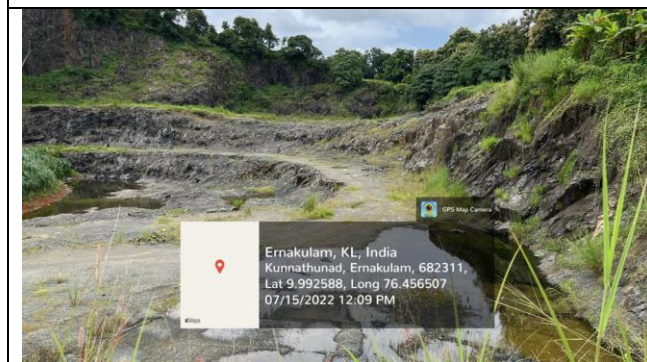
3. Any other observations

Nil

Photographs



With RQP and Proponent	Project site
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BP	BP



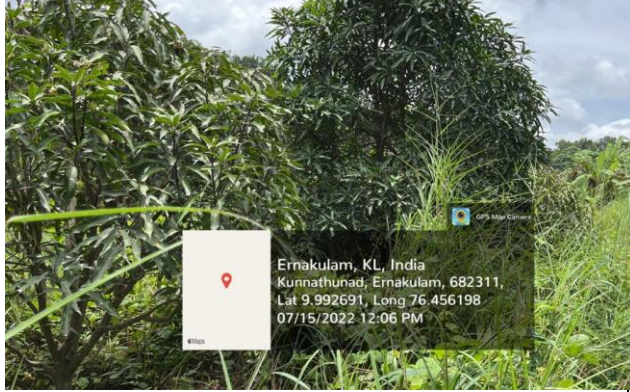
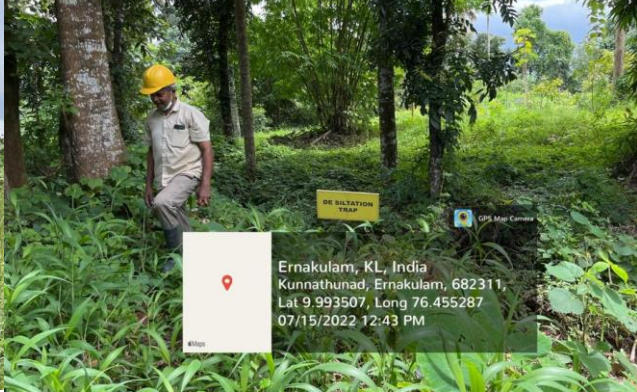
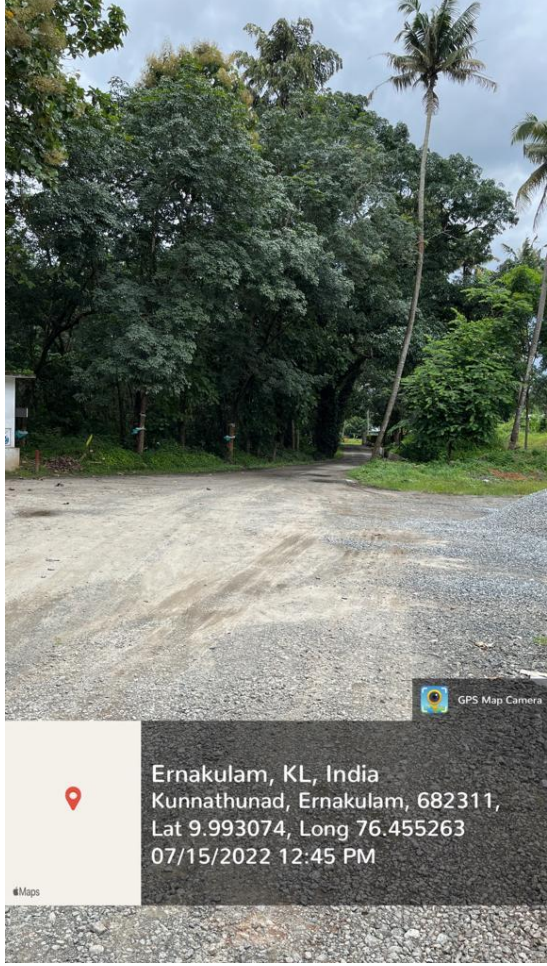
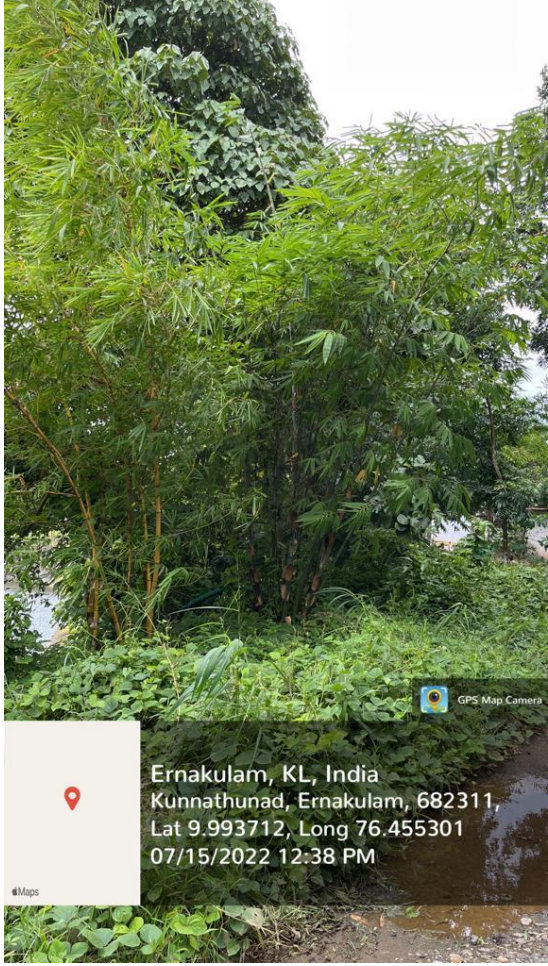
Benches

Green belt



Planted Fruit trees

Planted fruit trees

 <p>Ernakulam, KL, India Kunnathunad, Ernakulam, 682311, Lat 9.992691, Long 76.456198 07/15/2022 12:06 PM</p>	 <p>Ernakulam, KL, India Kunnathunad, Ernakulam, 682311, Lat 9.993507, Long 76.455287 07/15/2022 12:43 PM</p>
Green belt	Silt trap
 <p>Ernakulam, KL, India Kunnathunad, Ernakulam, 682311, Lat 9.993074, Long 76.455263 07/15/2022 12:45 PM</p>	 <p>Ernakulam, KL, India Kunnathunad, Ernakulam, 682311, Lat 9.993712, Long 76.455301 07/15/2022 12:38 PM</p>
Developed Road	Green belt



Date of Appraisal: 15.07.2022

Team Members: Dr. Mahesh Mohan and Dr. K.N. Krishnakumar