

**MINUTES OF THE 114th MEETING OF THE STATE LEVEL
ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)
KERALA, HELD ON 25th, 26th May and 1st June 2022 THROUGH
VIDEO CONFERENCING.**

Present:

- 1. Dr. H. Nagesh Prabhu IFS (Retd), Chairman, SEIAA, Kerala**
- 2. Sri. K. Krishna Panicker, Member, SEIAA**
- 3. Dr. V. Venu IAS, Member Secretary, SEIAA**

The 114th meeting of the SEIAA, KERALA was held on 25th May 2022. The meeting started at 10.00 AM on 25th May, 2022. Dr. H. Nagesh Prabhu, Chairman, SEIAA Kerala chaired the meeting. Dr. Venu V. IAS, Member Secretary, SEIAA and Sri. K. Krishna Panicker, Member, SEIAA attended the meeting. The Authority considered the agenda for the 114th meeting and took the following decisions:

Physical Files

**Item No.114.01 Minutes of the 113th meeting of SEIAA held on 19th& 20th April
2022 for information**

Authority noted that in spite of repeated instructions in this meeting also a statement showing pending court cases was not put up for the review of SEIAA. The Administrator and Legal officer in SEIAA are once again requested to put up the statement of pending court cases for the review of Authority as the 2nd Agenda item in all future meetings of SEIAA .

Item No: 114.02 **Application for extension of Environmental Clearance issued for Granite building stone quarry project of M/s Chengalathu Quarry Industries by Shri. Thomas Mathai (77/SEIA/KL/172/ 2013)**

The Authority verified the item and found that in the 100th SEIAA meeting, the Authority decided to extend EC for 5 years for 3.1473 ha covered under Sy.Nos.575/1-3-6-2 & 581/1-5-7 as per G.O.No. 68/2012-2013/2664/M3/2012 dated: 27-04-2012& GO No. 681/2015-16/8219/M3/2015 dated 16-01-2016 and issued EC on 28.12.2019 subject to the original EC conditions with one specific condition that:

“The proponent shall prepare an Environment management plan within 3 months through an accredited agency to the satisfaction of SEAC to treat the entire mined area. The activities carried out shall be inspected by SEAC at regular intervals.”

In the 118th SEAC 1st, 2nd & 3rd February, 2021 the Committee directed the proponent to submit the EMP with revised CER based on local need assessment. The committee also suggested that the activities should be completed within first two years and maintenance fund to be allocated for the remaining period. The proponent vide letter dated 26.11.2021 intimated that the CER activities mentioned in the modified EMP have been implemented completely and therefore, it is not possible to modify the CER.

The Authority observed that the SEAC has conducted the filed inspection and found that the CER activities were implemented satisfactorily. The Committee in its 127th meeting accepted and recommended the modified EMP, which was prepared by an Accredited Agency. Hence the Authority decided the following:

1. Since, there is a valid EC, the Project Proponent shall continue the mining and should comply with all the conditions put forth by SEAC and in the EC.
2. As the Proponent has implemented the CER activities and the same was endorsed by the SEAC during its field visit, there is no requirement of a modified EMP.

Item No.114.03 **Environmental Clearance for the quarry project in Sy.No.288/1(Part) of Block No.32, Koodal Village, Konni Taluk, Pathanamthitta District, Kerala by M/s Mavanal Granites Pvt Ltd-Judgement dated 11.09.2021 in WP(C) No.16330/2021 regarding revalidation of EC (File No.81/SEIAA/KL/183/2013)**

The Authority verified the item with the recommendation of 127th SEAC meeting, the field inspection report of the Sub-Committee and the CCR received from RO, MoEF&CC. In the 127th SEAC meeting, the Committee recommend the revalidation of EC with a project life of 10 years from the date of issuance of original EC (16.8.2017) subject to the following Specific Conditions in addition to General Conditions.

- a. Ensure provision of silt traps at 50m interval along the drain (flowing westward) to the large siltation pond on west side of the pillar no. M-1BP-12 (Both sides of the haulage road) and submit geotagged photographs
- b. Ensure cleaning of siltation pond and submit geotagged photographs.
- c. A new clarifier should be constructed after the existing siltation ponds and submit a geotagged photograph of the same.
- d. Submit a plan for replacing acacia plants with more indigenous species to improve the biodiversity status of the region within 5 years and implement the same in time-bound manner. The progress of the compensatory afforestation and geotagged photographs as proof should be incorporated in the Half Yearly Compliance Report.
- e. Periodic cleaning of garland drains, silt traps, siltation pond and outflow channel should be carried out and geotagged photographs should be incorporated in the Half Yearly Compliance Report.

SEAC has also recommended that before revalidation of EC, the SEIAA shall ensure the receipt of the following documents:

1. Certificate from Village Officer regarding the type of land under the Block - 2 Re-Survey 288/1 where mining is ongoing
2. Revised scheme of mining with mine closure plan
3. Test report from NABL
4. Revised EMP
5. Recent Survey map
6. Recent Cluster Certificate
7. Certified report of extraction details from district geologist

Authority decided the following:

1. To inform the Project Proponent to submit the documents sought on 06.09.2021 within one month, else the proposal will be delisted without further intimation.
2. Submit a plan for replacing Acacia plants with indigenous species to improve the Biodiversity status of the region as mentioned in the specific condition (d) of SEAC.

Item No.114.04 **Environmental clearance for a quarry project in Sy. Nos. 111/3 pt, 110/8, 112/4, 111/4 pt., 111/5 pt., 113/2, 112/5, 112/1-1, 112/1-2, 112/8-1, 112/8-2, 112/8-3, 112/2 and 112/7 at Koodal Village, Kalanjoor Panchayat, Adoor Taluk, Pathanamthitta District, Kerala by M/s Aswathy Granites Pvt. Ltd.— Judgment dated 11.08.2021 in WP (C) No.16371/2021 - Revalidation of EC.(File No. 147/SEIAA/KL/2748/2013)**

The Authority discussed the item and noted the decisions of various SEAC meetings, the CCR received from RO, MoEF & CC and the FIR of the Sub-committee. The Authority decided to revalidate the EC with a project life of 10 years from the date of issuance of original EC as recommended by SEAC in its 126th meeting subject to the following Specific Conditions in addition to the original EC conditions and General Conditions.

1. The growth of buffer plantations should be monitored and geo-tagged photographs are to be incorporated into the Half Yearly Completion Report (HYCR).
2. The geo-tagged photographs taken on various dates showing the outflow of water from the silt traps are to be incorporated in the HYCR.
3. Photographs with the date and time showing periodic cleaning of silt traps are to be incorporated in the HYCR.

Item No.114.05 **Environmental Clearance for the building stone quarry project in V-Kottayam Village, Konni Taluk, Pathanamthitta District of Sri. Sadanandan- Judgment in WP(C) No.12420/2020 regarding revalidation of EC (File No. 200/SEIAA/EC4/86/2014)**

The Authority perused the item and noted the decisions of various SEAC meetings including the 126th meeting in which the EC was recommended for revalidation and the Field Inspection Report (FIR) of the Sub-committee. The Authority found that the proponent has simultaneously applied for revalidation of EC to MoEF&CC and Sri.Pankaj Varma, Scientist-E, MoEF vide e-mail dated 24.02.2022 requested to provide the files (without zip) of the concerned proposal for considering in the EAC meeting. The Authority vide e-mail dated 25.03.2022 forwarded the scanned documents in PDF format to the MoEF&CC. The status of the application is yet to be updated either by MoEF & CC or by the proponent.

Under the circumstances the Authority decided the following:

1. The present status of the proposal submitted to MoEF & CC shall be ascertained from the Project Proponent/ MoEF &CC.
2. The complaints received from Sri. Roy Thomas, Chairman, Gramaraksha Samithy, V-Kottayam and Sri. Aji, Secretary, Thudiyurulipara Hanuman Swami Temple Administrative Committee shall be forwarded to District Geologist, Pathanamthitta, and Secretary, Vallicode Grama Panchayth for urgent enquiry report within 15days.
3. The District Collector may be reminded to submit the report sought within 15days urgently.

Item No.114.06 **Environmental clearance issued for the quarry project in Sy.No.65/1, 3, 5, 6, 7, 10, 12, 13, 74/4, 5 and 6 at Nellanad Village and Panchayath, Nedumangadu Taluk, Thiruvananthapuram District by Sri. Abdul Salam Pookunju, M/s Aaramam Rock (P) LTD.- Judgment dated 02.11.2020 in WP (c) No. 11409 of 2020-regarding the validity of EC (File No. 624/SEIAA/KL/4807/2014)**

The Authority perused the item and noted the decisions of various SEAC meetings, the FIR of the Sub-committee and the CCR received from RO, MoEF & CC. The Project life estimated by SEAC is 14 years.

The Authority noted that for the sustainable management of mining operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating the activities to be carried out for the next 5 years.

Authority decided to revalidate the EC initially for a period of 5 years and extend the EC period to cover Project life of 14 years, from the date of issuance of original EC (12.06.2017) subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has caused any damage to the Environment in the Project Region by violating any EC conditions.

The revalidation of EC is subject to Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

1. Blasting should be done only using NONEL techniques as suggested in the scheme of mining.
2. De-siltation of the garland drain, silt traps, siltation ponds and outflow channel should be done periodically and upload the geo-tagged photographs of the cleaning process in the Half Yearly Compliance Report.
3. Shift the overburden dumping site to the lower portion of the project site on the southern side.
4. All activities on the slope on the northern side of the project area should be stopped
5. The green belt zone should be strengthened with indigenous trees.

The Authority also decided that as recommended by SEAC, the EC shall be issued only after the receipt of the following:

1. An affidavit by the Proponent for ensuring the satisfactorily implementation of the following environmental improvement measures **within two months**.
 - a. Enhancing the width and depth of the storm water drains for improving the carrying capacity
 - b. Expanding the storm water drains to areas where it is not provided within the project site
 - c. Providing more silt traps and ensuring that deposited silts are removed periodically
 - d. Improving the performance of clarifiers including provision of additional siltation tanks and improving the connectivity to natural drains
 - e. Extending and improving the protection walls for the overburden dump and also improving the storm water drains all around the dump site, with serious

consideration of the facts that the dump is on top of a steep slope and there are a number of houses down below.

- f. Shifting the overburden dump to lower elevation portion of the project site with immediate effect.
2. An affidavit that the RL at cliff shall be kept unaltered by restricting mining operations.
3. An affidavit that the proponent will immediately stop clearing of the land at the narrow gap of land between the two cliffs located on the east and west portion of the ridge.

Item No.114.07 **Environmental Clearance issued from DEIAA, Palakkad for the granite building stone quarry in Vallapuzha Village, Pattambi Taluk, Palakkad District of Sri. K. J. Mathai, Managing Partner, M/s Three Star Metal Crusher - Judgment dated 23.03.2021 in WP (C) No.7525/2021 - Revalidation of EC (File No. 1166/EC1/2021/SEIAA)**

The Authority perused the item and observed that the SEAC in its 126th meeting examined the case in detail and noticed that the IRO, MoEF&CC, Bangalore has rejected the application for CCR of the proponent due to serious non-compliance of EC conditions. It is also intimated that the proponent has not submitted any of the HYCR.

Considering the fact that the proponent has violated the EC conditions, the Committee decided to recommend to SEIAA to issue a stop memo and cancel the EC given to the project. Vide interim order dated 06.05.2022 in WP (C) No.15312/2022 the Hon'ble High Court directed to keep the SEAC recommendation in abeyance till 19.05.2022. The same period was extended for further one month vide order dated 24.05.2022. The Authority decided to keep the item in abeyance to comply with the direction of the Hon'ble Court and place it before SEIAA as and when stay is vacated.

Item No.114.08 **Application for name transfer of Environmental Clearance issued to Mr. Biju V. T. for the Granite Building Stone Quarry project in Survey No. 222/1, Block No: 47 in Aryanad Village, Nedumangad**

Taluk, Thiruvananthapuram District to Mr. N. Dananjayan Unnithan, Managing Partner, M/s City Crushers (Proposal No. SIA/KL/MIN/266793/2022, File No. 1261/EC2/2019/SEIAA)

The Authority noted the request of the proponent to transfer the EC to Mr. N. Dananjayan Unnithan, Managing Partner, M/s City Crushers. After verifying the documents and having convinced of the reasons for transfer, the Authority agreed to transfer the EC issued to Mr. Biju. V. T in Survey No. 222/1, Block No: 47 in Aryanad Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala to Mr. N. Dananjayan Unnithan, Managing Partner, M/s City Crushers as per clause 11 of EIA notification 2006. The necessary orders in this regard shall be issued.

Item No.114.09

Granite Building Stone Quarry of Sri. Nino K Thomas at Re-Survey Block No. 31, Re-survey. Nos. 394/2, 461/1 & 461/4, Vadasserikkara Village, Ranni Taluk, Pathanamthitta District, Kerala (SIA/KL/MIN/44488/2019 , 1474/EC1/2019/SEIAA)

The Authority perused the proposal and found that the SEAC has conducted the field visit and the proponent has presented the project as part of appraisal. The Authority noticed the observation of the 127th SEAC that a complaint has been received regarding the dispute of land and the clarification sought by SEAC in its 117th meeting was submitted by the proponent and the details given are inadequate to arrive at a decision.

The Committee also verified complaints received from Smt. Manju Thomas on 13.04.2022 & 22.04.2022 and also from Adv. Jaya Skaria dated 30.04.2022. In the circumstance SEAC has requested the Authority to hear the complainants and proponent for redressal of their grievances. SEAC has sought for further direction from the Authority as to whether to proceed with the proposal or not.

Under the circumstances, the Authority decided the following:

1. The proposal may be kept in abeyance till the disposal of OS No.1/2021 before Munciff Court, Ranni, Pathanamthitta.

2. As the dispute regarding the land comes under the mandate of Revenue Department and SEIAA/SEAC have no role in that, if the project proponent submits all relevant documents to the satisfaction of SEAC for issuing EC, SEAC may consider the proposal as per the merit of the application and clear documents submitted, if there is no stay from the court of law.
3. The Project Proponent / complainants may approach the concerned departments / authorities for the redressal of their grievances. However SEAC may hear the grievances of both the parties relevant to issuing EC.
4. SEAC may examine the procedural aspects and reasons for same person applying for EC for two quarries in the adjacent survey numbers.
5. As SEAC has already conducted the field inspection and appraised the project, SEAC may either reject or accept the proposal on merit in the light of the observations made above and recommend the same to SEIAA.

Item No.114.10

Granite Building Stone Quarry of Shri. Nino K Thomas“ over an extent of 2.7213 Ha. (6.7243 Acres) at Re-Survey Block No. 31, Re-survey. Nos. 457/1, 457/2, 457/3, 457/4, 457/4-1, 457/5, 457/6 & 457/7, Vadasserikkara Village, Ranni Taluk, Pathanamthitta District, Kerala (SIA/KL/MIN/132322/2019, 1635/EC1/2020/SEIAA)

The Authority perused the item and found that the SEAC has conducted the field visit and the proponent has presented the project as part of appraisal. The Authority noticed the observation of the 127th SEAC that a complaint has been received regarding the dispute of land and the clarification sought by SEAC in its 117th meeting was submitted by the proponent and the details given are inadequate to arrive at a decision.

The Committee also verified complaints received from Smt. Manju Thomas on 13.04.2022 & 22.04.2022 and also from Adv. Jaya Skaria dated 30.04.2022. In the circumstance SEAC has requested the Authority to hear the complainants and proponent for redressal of their grievances . SEAC has sought for further direction from the Authority as to whether to proceed with the proposal or not.

Under the circumstances, the Authority decided the following:

1. The proposal may be kept in abeyance till the disposal of OS No.1/2021 before Munciff Court, Ranni, Pathanamthitta.
2. As the dispute regarding the land comes under the mandate of Revenue Department and SEIAA/SEAC have no role in that, if the project proponent submits all relevant documents to the satisfaction of SEAC for issuing EC. SEAC may consider the proposal as per the merit of the application and clear documents submitted, if there is no stay from the court of law.
3. The Project Proponent / complainants may approach the concerned departments / authorities for the redressal of their grievances. However SEAC may hear the grievances of both the parties relevant to issuing EC.
4. SEAC may examine the procedural aspects and reasons for same person applying for EC for two quarries in the adjacent survey numbers.
5. As SEAC has already conducted the field inspection and appraised the project, SEAC may either reject or accept the proposal on merit in the light of the observations made above and recommend the same to SEIAA.

Item No.114.11

Environmental Clearance issued to the proposed MLCP building project within the existing Hotel to be developed by M/s Lulu Hospitality Limited in Sy.No.84/5, 84/10 in Thycaud Village, Thiruvananthapuram Taluk, Thiruvananthapuram District, Kerala by S.R Joy, Director, M/s Lulu Hospitality Limited-Clarification sought from MoEF regarding built-up area (Proposal No. SIA/KL/MIS/153098/2020, File No.1662/EC1/2020/SEIAA)

The Authority discussed the letter from Dr. Dharmendra K. Gupta, Director (S)/Scientist "F", MoEF received vide e-mail dated 21.04.2022 regarding the clarification sought on the EC issued for a built-up area of 10,046.26 sq. m whereas the cumulative built-up area is 29,711.63 sq. m. as per the application submitted by the project proponent.

The Authority stood by the decision taken and decided to inform MoEF&CC, the reasons for issuing EC for built-up area of 10,046.26 sq.m as made out in the deliberations of Authority and EC issued accordingly.

Item No.114.12 **Environmental Clearance issued from DEIAA, Thiruvananthapuram for the granite building stone quarry project in Uzhumalakkal Village, Nedumangad Taluk, Thiruvananthapuram District by Smt. Shaila Nasar, Director, M/s Al-Nassar Granites Pvt. Ltd - Judgment dated 30.11.2020 in WP (C) No.26372/2020-Revalidation of EC.(File No.2793/EC1/2020/SEIAA)**

The Authority studied the item and noted the decisions of various SEACs meetings, the contents of field inspection report of the Sub-Committee. In the 127th SEAC meeting committee has recommended for revalidation EC. Even though, SEAC has recommended for revalidation of EC for a project life of 8 years from the date of the original EC issued, subject to the production of Wildlife Clearance from NBWL as the project area is within a distance of only 6.70 km Peppara WLS.

The Authority observed that the proponent is continuing quarrying with EC dated 04.04.2017 without getting the mandatory Wildlife Clearance from the NBWL. In this connection Authority decided to seek an urgent clarification from SEAC for recommending revalidation of EC after a thorough scrutiny of all relevant documents.

Item No.114.13 **Environmental Clearance for Granite Quarry M/s Tasna Mines in Re - Sy. No. 345/1, 340/2, 339/11, 340/4, 340/5, 339/2, 345/7, 345/9 of Pallikkal Village, Varkala Taluk of Thiruvananthapuram District., Kerala -Judgement dated 10.11.2021 in WPC 2357/2021 (SIA/KL/MIN/45585/2019, 1494/EC1/2019/SEIAA)**

The Authority in its 113th SEIAA meeting held on 19th & 20th April 2022 decided to issue EC for this project for a period of 5 years for the quantity mentioned in the approved Mining Plan subject to Specific Conditions in addition to General Conditions. However, before the issuance of EC, Shri. K. Gopalakrishnan I.A.S., Managing Director, for Vizhinjam International Seaport vide letter dated 23.04.2022 requested to withhold the grant of EC for the establishment of granite building stone quarry of M/s Tasna Mines.

As the issues raised by Shri. K. Gopalakrishnan I.A.S., Managing Director, Vizhinjam International Seaport are relevant to project of national importance, Authority decided to withhold the EC for the time being.

In the mean time, on further scrutiny of the relevant documents, it is seen that the validity of three NOCs pertaining to the Government land issued by District Collector has expired since, the mining process has not commenced within two years from the date of issuance of NOCs (Condition No. 4 of NOCs). Under the circumstances, the Authority decided to direct the proponent to provide valid NOCs from the concerned Authority for processing the EC application further.

Authority decided to inform the decision taken by Authority to Shri. K. Gopalakrishnan I.A.S., Managing Director, Vizhinjam International Sea port and to co ordinate his requirements with District Collector Thiruvananthapuram District, so that the requirements of Vizhinjam International Seaport and role of M/s Tasna Mines, the Project Proponent, are defined clearly while issuing new NOCs which can be included in the EC to safeguard the government interest.

Item No.114.14 Environmental Clearance issued from SEIAA, Thiruvananthapuram for the Granite Building Stone quarry in Chadayamangalam Village, Kottarakara Taluk, Kollam District of Sri. Sri. Shaji. S - Judgment in WP (C) 11106/2020 - Revalidation of EC. (File No. 752/SEIAA/KL/301/2015)

The Authority verified the proposal and noted the decisions of various SEAC meetings held on different dates and FIR of the Sub-committee. The Project life estimated by SEAC is 12 years.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years .

Authority decided to revalidate the EC initially for a period of 5 years and extend the EC period to cover Project life of 12 years, from the date of issuance of original EC (01.06.2016) subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has caused any damage to the Environment in the Project Region by violating any EC conditions.

The revalidation of EC is subject to Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

1. The green belt development in the buffer should be done in the first year itself and should be nurtured and maintained in subsequent years
2. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to avoid obstruction to overland drainage.
3. Measures incorporated in the CER should be implemented in total as proposed.
4. The proponent should carry out OB dump grading (slope reduction) and terracing with stabilization by planting vetivers. A protection gabion wall should also be provided as required at the lower portion.
5. The site for dump 3 is sharing a boundary with the natural canal. A proper protection wall should be made to dump 3 to prevent OB and soil from reaching the stream.
6. The proponent should provide proper embankment protection for the stream from the beginning of dump 3 on north east side of the project site till the end of the project boundary.
7. The OB dumpsite as pointed out by SEAC should be shifted to the lower elevation.
8. The proponent should provide protective fencing to the quarry pit.

Item No.114.15 **Granite Building Stone Quarry of Shri. Raghulan Pillai located in Re-Sy Nos.354/1/305 & 354/1/305/236 Pt, Karavalur Village, Punalur Taluk, Kollam District, Kerala State over an extent of 1.9000 ha. (4.6949 Acres). SIA/KL/MIN/43381/2019, 1580/EC2/2019/SEIAA**

The Authority perused the proposal and noted that the SEAC has conducted the field visit and the proponent has presented the project as part of appraisal. The ADS sought have been submitted by the proponent. There are complaints on this proposal and SEAC has sought clarification for which the proponent has given the reply.

The SEAC has reported that vide Letter No. Rev-E2/164/2019-Rev dated 16.10.2021, the Additional Chief Secretary, Revenue (E) Department has informed the Complainant that, on the recommendation of Director, Vigilance and Anti-Corruption Bureau, the Survey Director has made available a report and the District Collector, Survey Director, Local Self Government Dept. and Revenue (P) Dept. have been asked to take action on the

recommendations. The details of the recommendations and action taken are not known the Committee. Under the circumstance, the SEAC has suggested to conduct a hearing of the complainant and proponent for redressal of their grievances by SEIAA and advise SEAC whether to proceed with the proposal or not.

Under the circumstances, the Authority decided the following:

1. The dispute regarding the land comes under the mandate of Revenue Department and SEIAA has no jurisdiction to decide on such matters unless there is a specific direction from any court of law or relevant Agencies.
2. The proponent / complainants shall approach the concerned departments / authorities for the redressal of their grievances. SEAC may also give them an opportunity of being heard before making any recommendation to SEIAA.
3. The SEAC shall appraise the proposal as per the merit of the application and the relevant documents produced. It is suggested that SEAC may call for a action taken report from District Collector Kollam with a time limit of 15 days, quoting the Letter No. Rev-E2/164/2019-Rev dated 16.10.2021, the Additional Chief Secretary, Revenue (E) Department.
4. As SEAC has already appraised the proposal, SEAC may attend the above observation and take a decision whether to accept or reject the proposal and recommend the same to SEIAA accordingly.

ItemNo.114.16 Quarry project in Survey No. 8/9, in Alakkod Village, Thodupuzha Taluk, Idukki District, Kerala by Mr. U. I. John, Managing Partner, M/s Marthoma Granites (File No. 1413(A)/EC1/2019/SEIAA)

The Authority noted that in the 52nd SEIAA meeting held on 29th April 2016, the Authority decided to delist the application and to issue Stop Memo to the quarry on the basis of Hon'ble NGT order. Based on the above decision the proposal/ application was delisted as per Proceedings No.817/EC3/2489/SEIAA/2015 dated 01.06.2016. Later, vide MoEF&CC letter dated 23.08.2018 to M/s Marthoma Granites, Thodupuzha, Idukki was issued ToR under violation category by MoEF&CC.

The proponent had filed a fresh application along with EIA report with ecological damage & remediation plan, natural & community resources augmentation plan for 3 years (File No. 1413(A)/EC1/2019/SEIAA) dated 23.07.2019 before SEIAA for the issuance of EC on the basis of the ToR issued by MoEF&CC.

The Authority noted the actions taken by SEAC to complete the violation proceedings for issuing a prior EC. The 124th SEAC meeting held on 24 -27, August, 2021, scrutinized the remediation plan and natural resource augmentation plan for a total amount of Rs 52.78 lakh. The committee directed the proponent to revise remediation plan for a total amount of Rs 72.7 lakh.

The 127th SEAC meeting held from 28th to 30th April, 2022 examined the revised remediation plan and natural and community resource augmentation plan submitted by M/s Marthoma Granites, dated 17.9.2021, and agreed to the plan at a cost of Rs. 31.68 lakh for remediation activities and Rs. 41.02 lakh for natural and community resource augmentation; this works out to be 18.45% of the total project cost. The Committee decided to recommend further action by SEIAA as per the existing norms. The Authority decided to accept recommendation of SEAC on remediation plan and natural resource augmentation plan.

Authority noted that in its 127th meeting SEAC has recommended for issue of EC subject to the conditions stipulated in S.O.1030 (E) dated 8.3.2018 which deals with violation proceedings. As per this OM cited the following steps have to be followed for issue of EC in violation cases.

- i) In case of violation action will be taken against the Project Proponent by the respective State or State Pollution Control Board under the provisions of section 19 of the Environment (Protection) Act, 1986 and further no consent to operate or occupancy certificate will be issued till the project is granted Environmental Clearance.(S.O.804(E) of MoEF&CC dated 14th March 2017)
- ii) State level expert appraisal committee (SEAC) should visit the site and decide whether the project can run sustainably under compliance of environmental norms with adequate safeguards, if so SEAC should prescribe appropriate Terms of Reference for carrying out an Environment Impact Assessment (EIA) Study and for the preparation of Environment Management Plan (EMP). The SEAC shall stipulate implementation of EMP comprising remediation plan and natural

and community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of Environmental Clearance.(S.O.1030 (E) of MoEF&CC dated 8th March 2018)

- iii) The Project Proponent will be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with State Pollution Control Board and the quantification will be recommended by SEAC and finalized by Regulatory Authority. The bank guarantee shall be deposited prior to the grant of EC and will be released after successful implementation of the remediation plan and natural and community resource augmentation plan and after the recommendation by the regional office of MoEF&CC, SEAC and Regulatory Authority. .(S.O.1030 (E) of MoEF&CC dated 8th March 2018)
- iv) As per OM dated 7th July 2021 of MoEF& CC which deals with SoP for violation cases, the Project Proponent has to pay penalty as prescribed under clause 12 of the OM.

Authority noticed that SEAC has taken action under point no (ii) above and the action has to be taken under point no (i) and (iii) above. Authority decided to inform the SPCB for taking action under point no (i) above and inform SEAC and Project Proponent for necessary follow up action under point no (i) and (iii) above, so that prior EC can be issued after completing the above procedures.

Further, Authority sought details/clarification on following points:

1. The Project Proponent has filed a civil appeal in the H'ble Supreme court against the order of NGT in OA No.168/2015. The present position of this civil appeal shall be informed to Authority.
2. The details of pending cases if any in the H'ble High court of Kerala.
3. In OA No.168/2015 NGT has ordered to pay the penalty at 10% of the annual turnover for a period of 8 years from 2008 to till the date of order. Environmental Scientist in SEIAA has pointed out certain mistakes in calculation annual turnover. The penalty has to be reworked based on annual turnover estimated by a competent authority and paid as directed by NGT.

4. In OA No.168/2015 NGT has directed DC Idukki to initiate prosecution against the Project Proponent for violation of Environment protection Act and EIA notification 2006 in the manner known to Law. The present position of action taken by DC on this point shall be ascertained.

**Item: No.114.17 Environment Clearance for Mining of Building Stone from the Sy No. 10/3-1, 10/3-2, 10/4, 10/7 of Mookkannoor Village, Aluva Taluk - GKV Granites (Environmental Clearance issued by DEIAA having File No. 09/2017 File No. DIA/KL/MIN/2779 /2017).
Judgment of Hon'ble High Court in WP (C) No. 25968 of 2020 (U) dated 08-12-2020 (regarding revalidation).
Judgment of Hon'ble High Court in WP (C) No. 5385 of 2022 dated 31-03-2022 filed by Shri. Shibu P.K., Shri. P.J. Joy and Shri. Jinu Varghese (File No: 2790/EC3/2020/SEIAA)**

The Authority observed the field inspection report of the Sub-Committee of SEAC which states that there is gross negligence on the part of the proponent in complying some of the EC conditions. Top soil all along buffer zone is found removed and rock is also seen extracted from buffer area (blocked reserve). The Authority also noted that SEAC has directed the proponent to comply with following conditions immediately:

- 1) Systematic bench cutting is to be followed very strictly.
- 2) The wastes generated during the course of operation shall be utilized for formation of safety bunds all along 7.5 M safety zone, internal road maintenance and green belt works.
- 3) Sufficient number of suitable parapet walls shall be made all along quarries, haulage roads wherever necessary in order to maintain safe working conditions.
- 4) Develop a green belt outside the lease area by planting at least 1500-2000 saplings/hectare around haulage road outside the lease area by obtaining necessary permissions from authorities concerned.
- 5) Environmental Clearance auditing shall be done every year and same shall be reported to the District Collector through the District Geologist.

Further the proponent was directed to submit the proof for the following:

- a) Earmarking buffer zone and green belt development
- b) Stacking top soil in designated place
- c) Functioning of Environment Management Cell
- d) Implementation of CER
- e) Maintenance of haulage roads
- f) Site specific garland canal with silt traps and settling pond

Authority decided the following:

1. The proponent should comply with the directions given by SEAC in its 124th meeting within 6 months and submit a compliance report. A copy of the FIR may be provided to the Project Proponent.
2. After getting the compliance report from the Proponent, SEAC shall conduct a field inspection and assess the compliance status.
3. If the report is not received within stipulated time and Project Proponent has failed in attending the direction of SEAC a Stop Memo shall be issued followed by show cause notice for cancellation of EC.
4. The District Geologist shall assess the over extraction of the reserve material, if any and impose penalty as per KMMC Rules under intimation to SEIAA.
5. The present position of WP (C) No. 5385 of 2022 dated 31-03-2022 shall be ascertained from Standing Counsel.

Item No.114.18 **Judgment dated 09.08.2021 WP (C) No. 16000 of 2021 (U) - regarding the validity of EC (Environment clearance for Mining of Building Stone from the Sy. No. 294/1pt, 294/2pt, 295/5, 295/6pt, 296/2pt and 356/1-1pt in Alakkode Village, Thodupuzha Taluk, Idukki - Environmental Clearance No. 01/2016/DEIAA/KER dated 20-04-2017- Revalidation of EC (File No. 2577/EC3/2021/SEIAA)**

The Authority discussed the revalidation application submitted by the proponent and decided that the SEAC shall 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.

Decisions on O. M. dated 12.4.2022 issued by MoEE& CC relating to issues linked to Project life, life of Mine and validity period of EC.

As per the request of the Authority, Member SEIAA, Shri Krishna Panikar in association with Dr Ajay Kumar Varma Chairman SEAC has prepared a detailed note and the note was taken up for discussion.

Chairman SEIAA brought to the notice of the Authority that, after the Judgement in WP (C) 17533 of 2020 dated 2.11.2020, in which SEAC was directed to estimate the project life as provided in the EIA notification 2006, the present practice followed is to honour the project life as estimated by SEAC and issue EC for initial period of 5 years and extend the same for the project life after a review at the end of every 5 years for the reasons mentioned in the note placed before the Authority. So far there have been no complaints by any Project Proponent on such a balanced view taken by the Authority.

After deliberating all issues relating O. M. dated 12.4.2022 issued by MoEE& CC, Authority decided the following :

1. As per the O. M. dated 12.4.2022 issued by MoEE& CC, EC granted for mining projects shall be valid for the Project life as laid down in the mining plan approved and reviewed by competent Authority from time to time subject to maximum of thirty years , whichever is earlier.

Authority noted that in the approved mining plan there is no mention of Project life and the Project life has to be estimated by SEAC as made out in the note and also as per the direction of Honourable High Court in Judgement in WP (C) 17533 of 2020. Under the circumstances till further orders, in the best interest of sustainable management of mining operation in Ecologically very sensitive state like Kerala, it was decided to continue with the present practice of estimating Project life by SEAC and issue EC both for new as well as revalidation cases, for an initial period of 5 years and to extend the same for the Project life after a review of compliance of EC conditions at the end of every 5 years.

2. Authority decided to defend all cases relating to O. M. dated 12.4.2022 issued by MoEE& CC as per the note placed before the Authority which is Annexed to this minutes.

Item No.114.19 **Judgment of Hon’ble High Court of Kerala in WP(C) No. 5093 of 2022 dated 23-02-2022 filed by Shri. Nizamudheen K.S.**

&

Judgment of Hon’ble High Court of Kerala in WP(C) No: 15258 of 2022 dated 06-05-2022 filed by Shri. Nizamudheen K. S (File No: 538/SEIAA/EC3/3881/2014)

The Authority noted the contents of the Judgment of Hon’ble High Court of Kerala in WP(C) No. 5093/ 2022 dated 23-02-2022 and observed that the Authority has already taken a decision in its 112th meeting to extent the validity of all projects for one year on the basis of the Notification of the MoEF&CC S.O. 221(E) dated 18.01.2021 relating to relaxation due to Covid 19 and the Petitioner is also eligible for the said relaxation. A copy of the letter sent to all District Geologists in this regard shall also be provided to the Proponent.

The Authority also noted that the Proponent has submitted an application for the extension of EC through PARIVESH Portal as per the Hon’ble High Court direction in WP(C) No: 15258 of 2022 dated 06-05-2022. The SEAC shall consider the application on priority as the time allowed by Hon’ble High Court is already over and take a decision on its merit.

Item No.114.20 **Judgment of Hon’ble High Court of Kerala in WP(C) No: 11215/2022 filed by Shri. Thomas Joseph, Manayanikkal House, Kumaramangalam, Vengaloor P.O., Thodupuzha, Idukki– Issuance of deemed EC – Reg (File No.667/EC3/2022/SEIAA)**

The Authority studied the proposal and noted the directions in the Judgment in WP(C) 11215/2022 dated 05.4.2022. On verification of the documents it is seen that, the Proponent had submitted an application for EC before the DEIAA, Idukki. In the meantime, the functioning of DEIAA was quashed vide Judgment of NGT dt.11.12.2018. The Proponent had approached the Hon’ble Court to get Deemed EC vide WP(C) No. 11215/2022.

As far as SEIAA is concerned, the EC for a project can be issued only after the appraisal and recommendation by the SEAC. Authority decided to adhere to the 113th

SEIAA meeting decision in an identical case and to intimate the Standing Counsel, Hon'ble High Court of Kerala to file an Appeal against the judgement in WP(C) 11215/2022 dated 05.04.2022. The decision of the Authority may also be informed to petitioner informing that his application for EC will be considered by SEIAA in accordance with EIA notification 2006 if he applies for the same.

Item No.114.21 **Judgment of Hon'ble High Court of Kerala in WP(C) No: 13728/2022 filed by Shri. Joseph C.C., Chittooparamban House, Manjapra P.O., Ernakulam–Issuance of Extension as per O.M., S.O., No. 221(E) dated 18-1-2021-DEIAA issued EC (File No: 936/EC3/2022/SEIAA)**

The Authority noted the Judgment of Hon'ble High Court of Kerala in WP(C) No. 13728/2022 dated 08-04-2022 and observed that the Authority had already taken a decision in its 112th meeting to extent the validity of all projects for one year on the basis of the Notification of the MoEF&CC S.O. 221(E) dated 18.01.2021 relating to relaxation due to Covid 19 pandemic in the country . The intimation regarding the same has been sent to all the District Geologists for further necessary follow up actions. Authority decided inform the Proponent to approach the District Geologists for further orders.

Item No: 114.22 **Request for extension of Environmental Clearance s issued to Shri. K.V. Abraham, Managing Partner, M/s Thomsun Sands and Metals Pvt. Ltd. for the quarry project in Sy. No.120/1-23 at Erumely South village, Erumely panchayath, Kanjirapally taluk, Kottayam district-(File No: 963/EC4/4473/2015/SEIAA)**

The Authority accepted recommendations of SEAC and decided to revoke stop memo. The Project proponent has to comply with the following additional conditions along with original EC conditions.

1. The gabion wall should be strengthened for better protection of the overburden dump.
2. One more silt trap should be constructed on the head ward part of the outflow.

3. Proper channel way should be maintained by constructing a dip with sufficient depth and by strong concrete where outflow crosses the internal pathway.

4. The flex board on which the EC details are given at the entrance should be replaced with a metallic board.

5. An environment expert may be incorporated in the EMC

6. The growth status of buffer plants should be monitored and geo-tagged photographs should be incorporated into the compliance report.

7. The outflow of water from the project site to the natural stream should be monitored and incorporated in the compliance report along with geo-tagged photographs during pre-monsoon, monsoon, and post-monsoon seasons.

8. The garland drain, silt traps, siltation pond and outflow channel should be cleaned periodically and geotagged photographs of cleaning with date and time should be incorporated in the half-yearly compliance report.

9) The Project Proponent shall scrupulously comply the recommendations of NIT, Karnataka on blasting operation and blast configuration.

10) To avoid future complaints, a monitoring committee will be formed with the following members to supervise the compliance of NIT, Karnataka's recommendations.

a) Project Proponent or his nominee preferably Mines Manager

b) Sri. Ashik K.S., Kaithakkal (H) Erumeli (P.O.) Kottayam-686 509

c) Nominee of Erumeli Grama Panchayat

11) Observation/Minutes of this monitoring committee will be included in the HYCR

Item No.114.23

Application for Environmental Clearance for the proposed Granite Building Stone quarry project in Sy No. 82,76 and 1 of Kottur Village, Koyilandy Taluk, Kozhikode District, Kerala over an area of 4.811 Ha by Mr. Thomas Philip (File No. 2340/A1/2019/SEIAA)

The Authority noted the decisions of various SEIAA and SEAC meetings held on different dates , documents / clarifications submitted by the Proponent, the field inspection reports, judgements from Hon'ble High Court and other relevant notifications.

The Authority observed that the Environmental Clearance was granted by DEIAA to this mining project on 10.01.2018. The Hon'ble High Court of Kerala (Case No: 36519/2018(L)) deferred the EC granted by DEIAA based on a petition filed by the residents. In the 95th SEIAA meeting, the Authority considered the complaint filed by Smt. Sheeja M.P., President, Kottur Grama Panchayat for cancelation of EC and decided to refer the matter to District Collector, Kozhikkode and Wildlife Warden, Malabar Wildlife Sanctuary for a detailed field inspection and report. The Wildlife Warden, Malabar Wildlife Sanctuary reported that the proposed project site is located at a distance of 8.7 km from the boundary of Malabar Wildlife Sanctuary. The 5 Member Expert Committee constituted by the District Collector reported that

1. Environment Clearance was given by DEIAA was without a proper Environmental Impact Assessment study.
2. Quarrying operations in the area are likely to have a huge impact on the ecology and on the life of the people residing in the watershed areas.
3. It is recommended to keep the Environment Clearance already issued in abeyance and that any future permission can be given only after a detailed and scientific Environment Impact Assessment.

The 98th meeting of SEIAA considered the reports and after hearing the proponent, Authority decided to re appraise the project proposal with the proposal already submitted to DEIAA. SEAC was directed to appraise the proposal keeping in view the prescribed minimum distance from the Malabar Wild Life Sanctuary. The Authority also directed the proponent to submit the application through PARIVESH Portal.

After field inspection by the SEAC, the 110th SEAC directed the proponent to conduct the EIA covering the impact of the proposed project on ground water, hydrology, biodiversity etc. The study should cover 500 m around the proposed mining area. The land use and land cover maps have also to be submitted.

After getting the EIA report, during its appraisal SEAC heard the Proponent and the complainant Smt. Sheeja M.P, President, Kottur Grama Panchayat and in the 118th meeting, the SEAC observed that the report submitted by proponent does not answer explaining the clarifications sought by SEAC in the 112th meeting. In the 120th meeting, the SEAC formed a 7 member Sub-Committee for a detailed inspection and the report of the Sub-Committee was studied in its 124th meeting and SEAC decided to recommend the REJECTION of the application for the reasons detailed in the FIR of Sub-Committee. The decision of the SEAC was considered in the 112th meeting of SEIAA and decided to give an opportunity of hearing to the proponent.

After hearing the proponent in the 113th SEIAA meeting held on 19th and 20th April 2022 and after verifying the hearing note submitted by the Proponent, the Authority has decided to accept the recommendation of the 124th SEAC meeting to REJECT the application for the reasons mentioned in the FIR of the Sub-Committee of SEAC and inform the same to Project Proponent with detailed reasons for rejection as recommended by SEAC.

Item No.114.24 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)

The Authority verified the proposal and noted the Judgement in WP(C) 5545/2021 dated 10.05.2022 stating that the area where the quarrying activity is to be conducted falls within a plantation would not be a reason for denying Environmental Clearance. The Hon'ble High Court also directed that necessary orders should be issued within two months from the date of receipt of a copy of this judgment. In this context, the Authority decided the following:

1. Get a legal opinion from the Standing Counsel on the various cases referred in the Judgement in WP(C) 5545/2021 dated 10.05.2022 regarding the prohibition / regulations of mining in plantation areas.
2. After getting the legal opinion, the SEAC shall re-appraise the application of the petitioner on its merit after getting a definite report from the concerned Theha

shildar about the status of the land and whether mining can be allowed on such lands as per the existing rules and regulations.

Item No.114.25 **Environmental Clearance for the Building Stone Quarry project in Sy. No. 83 (P) at Kumaranellur Village, Kozhikode Taluk, Kozhikode District - Judgment in WP (C) No.19629/2020 filed by Sri. Ajas M.M,M/s Ponoorpoyil Granites- Regarding the Validity of EC (File No.442/SEIAA/KL/3034/2014)**

The Authority studied the proposal and noted the decisions of various SEAC meetings held on different dates and the FIR of the Sub-committee. The Authority decided to revalidate the EC with a project life of 10 years from the date of issuance of original EC (10.08.2015) as recommended by SEAC in its 127th meeting as per Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

- a. The proponent should submit an Affidavit stating that the bench height and width will be corrected within 3 months from the date of revalidation of EC.
- b. Compensatory afforestation should be done during the 1st year itself and the coordinates of the area with geotagged photos should be included in the HYCR.
- c. Periodic cleaning of garland drain, silt traps, siltation pond and outflow channel should be carried out and geotagged photographs should be incorporated in the Half Yearly Compliance Report.
- d. The green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.

Item No.114.26 **Environmental Clearance for the building stone quarry of M/s Chelupara Granites situated at Re.Sy.No.172 pt of Kodyathoor village, Kozhikode Taluk,Kozhikode District, Judgment in WP (C) No.1332/2021 filed by Sri.B.P.Sidique Haji- regarding the validity of EC.(File No.998/EC4/4409/SEIAA/2015)**

The Authority verified the item with the decisions of various SEAC meetings, the CCR from the RO, MoEF&CC and the FIR of the Sub-committee. The project life estimated by SEAC is 15 years from the date of issuance of original EC (30.09.2016).

The Authority noted that for the sustainable management of mining operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating the scheme activities to be carried out for the next 5 years.

Authority decided to revalidate the EC initially for a period of 5 years and extend the EC period to cover Project life of 15 years, from the date of issuance of original EC (30.09.2016) subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has caused any damage to the Environment in the Project Region by violating any EC conditions.

The revalidation of EC is subject to Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

1. Measures incorporated in the CER should be implemented in total.
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 day and included in the Half Yearly Compliance Report.
3. Periodic cleaning of garland drain, silt traps, siltation pond and outflow channel should be carried out and geotagged photographs should be incorporated in the Half Yearly Compliance Report.
4. Mined-out benches must be filled with topsoil and planted with trees of indigenous species.
5. The Green Belt Development Programme may be further strengthened.
6. The green belt in the buffer should be strengthened further with local species and it should be nurtured and maintained appropriately.
7. Topsoil dump must be protected with Gabion walls and should be stabilized by planting trees.
8. The blasting should be done only using NONEL technology

ItemNo.114.27

Environmental clearance for the proposed Building Stone Quarry project in, Survey No. 1619/1, 1621/1 in Kanthaladu Village,

**Thamarassery Taluk, Kozhikode District, Kerala, by Mr.
Haridasan T.H. (File No.1264/EC1/2019/ SEIAA)**

The Authority studied the proposal and noted the decisions of SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 10 years.

The Authority noted that for the sustainable management of mining operations, the approved mining plan is revised every five years through a scheme of mining, as per KMMC Rules, incorporating the activities to be carried out for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved Mining Plan and extend the EC period to cover Project life of 10 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has caused any damage to the Environment in the Project Region by violating any EC conditions.

The EC is subject to following Specific Conditions in addition to the General Conditions.

1. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.
2. The proponent shall carry out quarrying as per the approved Mining Plan and Scheme of Mining and should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.
3. Adequate measures should be taken to ensure slope stability in the steep side slope areas.
4. OB dumping location should be in the lower elevation as per the map submitted by the Proponent
5. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

6. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the half yearly compliance report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.
7. In the wake of occurrence of large scale landslides in the State, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.
8. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Honourable Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the half yearly compliance report which will be monitored by SEAC at regular intervals.
9. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.114.28

Environmental Clearance for the proposed Building Stone Quarry project in Re. Survey 98/1 in Raroth Village, Thamarassery Taluk, Kozhikode District, Kerala State.by Mr. Haris C. (File No. 1285/EC2/2019/SEIAA)

The Authority perused the proposal and noted the decisions taken by SEAC in various meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue EC for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby
2. Quarrying should commence only after developing the road fully.
3. The rock boulders which are dangerously poised on top of the proposed mine site should be removed prior to the commencement of mining activity.
4. Development of green belt should commence prior to the commencement of mining activity.
5. Mining of the lowest bench, 105-100m should not be done considering hydrogeological aspect.
6. Provide adequate protection for the storage area proposed for overburden and mine waste prior to the commencement of mining activity to prevent the possibility of erosion of soil stored.
7. Eco-restoration should be done with an exclusive detailed species recovery plan for the Queen Sago (*Cycas circinalis*), an endangered palm species. Nursery should be raised for both male and female forms of the species and re-introduction should be carried out in partnership with the local community or other interested parties like forest department, local schools or colleges within the 10 KM area and the surrounding homesteads.
8. The choice of species for restoration and green belting should include three tree species - *Terminalia bellirica*, *Terminalia chebula* and *Terminalia arjuna* as these are the species that can bring back other associated biodiversity to this mining site and its

surroundings. It is suggested to include the species like Bamboo, Nelli, Jamun, Ficus and Dantapala etc which are likely to perform well in difficult soils.

9. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.
10. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the half yearly compliance report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.
11. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.
12. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Honourable Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the half yearly compliance report which will be monitored by SEAC at regular intervals.
13. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No. 114.29 **Environment Clearance for the Building Stone Quarry project in Re Survey No.147/1, 147/2A1, 2A2, 2B1, 2B2 at Thazhakode Village Kozhikode Taluk, Kozhikode District (Judgment in WP (C) No.19589/2020 filed by Sri. Abdul Rahim, M/s Mukkam Metals - regarding the validity of EC (File No.2450/EC4/SEIAA/2020)**

The Authority studied the proposal and noted the decisions of various SEAC meetings held on different dates and the FIR of the Sub-committee. Authority noticed that in 112th meeting of SEIAA, Authority had directed the proponent to comply with the following directions as suggested by SEAC.

1. Further mining should proceed only after correcting the bench height and width
2. There are areas with slope more than 45 degree in the quarry which should be corrected by providing bench with appropriate height and width
3. Garland canal along with intermittent silt traps should be developed all around the quarry site
4. The overburden in the top portion of the buffer zone should be protected to avoid collapse
5. Green belt should be developed all along the buffer zone with local species
6. NONEL blasting should be resorted to.

After getting the compliance report on 17.02.2022, the Sub-Committee visited the site on 07.04.2022 to assess the compliance status and observed the following:

- Garland drain is not provided all around the mining area and thus possibility of land slip exists.
- Overburden at the highest portion of the project area is thick and there is possibility of land collapse.
- Mine pit is with very steep side walls at places without adequate benches and there is possibility of accidents.
- Bench height is higher and width is lower than that stipulated in the EC condition. No bench is maintained in some portion of the mine.
- Slope of 45 degree is not maintained.

Based on the observations, the SEAC in its 127th meeting recommended the rejection of the proposal for revalidation of EC.

Authority decided the following:

1. Issue a show cause to the Project Proponent as to why the EC given to him should not be cancelled for the non-compliance of EC conditions suggested by SEAC and for miss representations of facts in the compliance report. A copy of the field inspection report may also be made available to the Project Proponent. The Proponent should submit the explanation within 15 days of the receipt of show cause notice.
2. The proposal may be placed in the Authority meeting to be held in the month of July 2022.

Item No: 114.30 Judgment dated 31.03.2022 in the WPC No.32652/2018 filed by Sri. N. P. Padmanabhan, Kozhikode before the Hon'ble High Court of Kerala (File No.0068/EC4/2021/SEIAA)

The Authority studied the proposal and noted the directions in the Judgment in WP(C) 32652/2018 dated 31.3.2022. On verification of the documents Authority observed that, the Proponent had submitted an application for EC before the DEIAA, Kozhikode, which was recommended by DEIAA in its 19th meeting on 27.07.2018. In the meantime, the functioning of DEIAA was quashed vide Judgment of NGT dt.11.12.2018. The Proponent had approached the Hon'ble Court to get Deemed EC vide WP(C) No. 32652/2018.

As far as SEIAA is concerned, the EC for a project can be issued only after the appraisal and recommendation of the SEAC. Authority decided to adhere to the 113th SEIAA meeting decision in similar cases and to intimate the Standing Counsel, Hon'ble High Court of Kerala to file an Extension Petition to comply with the judgement in WP(C) 32652/2018 dated 31.3.2022.

The Authority decided to direct SEAC to appraise the proposal on priority with all relevant documents on its merit and put forward its decision to SEIAA to comply with the directions of Hon'ble High Court of Kerala.

The decision of the Authority shall be informed to Project Proponent to speed up the process of appraisal so that the direction of the Hon'ble High Court of Kerala can be complied with.

Item No.114.31 **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. (File No.137/SEIAA/KL/2567/2013)**

The Authority observed that SEIAA in its 112th meeting directed 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 SEAC in its 126th meeting considered the direction of SEIAA and decided to seek direction from the SEIAA whether the provisions contained in the OM dated 12.12.2018 is applicable to EC issued on 16.1.2016 and its revalidation as per the direction of the Hon. Court, even if the project area is more than 5 ha.

The Authority also observed that the District Collector, Kozhikode vide letter dated 23.11.2021 intimated that no violations have been reported by the District Geologist as per the complaint and therefore there is no impediment to the renewal of the environmental Clearance.

The Authority deliberated the matter and decided the following:

1. As requested by the Proponent, the provision to conduct public hearing shall be exempted for this case as the original EC was issued prior to the MoEF&CC O.M dated 12.12.2018. However the Project Proponent shall ensure that mining activities are in no detrimental to the local people and environment in the project region.
2. Legal opinion may also be sought from the Standing Counsel regarding the requirement of public hearing for revalidation projects of above nature , which are having more than 5 ha.

3. The SEAC shall appraise the proposal on its merits and put forward the decision for revalidation of EC.

Item No.114.32 **Environmental Clearance issued to M/s Sobha Highrise Ventures Private Limited for the construction of multi-storied residential and commercial buildings at Re Survey No. 174/14-1 (Old Sy. No. 180/P, 181/1P, 182/2P), Ollur Village, Thrissur Taluk & Thrissur District, Kerala – Request for sinking bore wells at the project site – reg:- (File No. 1188(A)/A2/2018/SEIAA)**

The Authority perused the item and noted the decision of the 126th SEAC meeting and the submission of the proponent with documents from the Ground Water Department and permit from the Local Government. The Authority accepted the recommendation of 126th SEAC meeting to exempt the proponent from the specific condition that restricts them to sink bore wells, subject to the provisions in the Kerala Ground Water (Control and Regulation) Act, 2002. Necessary intimation shall be given to the proponent in this regard.

Item No.114.33 **Environmental Clearance for the quarry project in Sy. Nos. 182/1, 184/1, 185/2 and 186/5 at Nediirippu Village & Panchayat, Kondotty Taluk, Malappuram District, Kerala by Shri. K. M. Koyamu, Managing Partner, M/s. Chirayil Granite Industries – Judgment dated 03.02.2021 in WP(C) No.2793 of 2021 - Revalidation of EC (File No.814/SEIAA/EC1/2485/2015) – reg:**

The Authority studied the proposal and noted the decisions of various SEAC meetings held on different dates and the FIR of the Sub-committee. The Authority observed that the SEAC has conducted the field visit twice to assess the compliance status of the EC and the conditions stipulated in its 124th SEAC meeting. So the Authority decided that CCR from the RO, MoEF&CC is not mandatory as the SEAC has verified the compliance status. Authority decided to revalidate the EC with a project life of 7 years from the date of issuance of original EC (01.06.2016) as recommended by SEAC in its 126th meeting as per the Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

1. The distance between the project boundary and quarry should be maintained as per the norms of State Pollution Control Board.

2. The canteen building located on the eastern side of the quarry should be dismantled as suggested in the field inspection report.
3. The green belt should be strengthened with planting of Bamboo, Ficus, Nelli, Jamun, Dantapala and other suitable local species and monitored regularly. Geo-tagged photographs of the maintenance of green belt should be incorporated in the Half Yearly Compliance Report (HYCR).
4. Geo-tagged photographs with date and time showing periodic cleaning of the drainage system including silt traps and collection tanks should be incorporated in the HYCR.

Item No.114.34 **Extension for Validity of Environmental Clearance for mining of ordinary earth in Kodassery Village, Chalakudy Taluk, Thrissur District [File No.619/SEIAA/KL/4773/14]**

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates and the FIR of the Sub-committee. Authority decided to extend the EC for 1 year for the extraction of balance quantity of ordinary earth as approved in the original EC (4000m³) from the date of issuance of permit from Mining & Geology Department subject to the following Specific Conditions in addition to the original EC conditions and General Conditions.

1. The excavation should be limited to 1 m BGL on the side of the pond and up to 1.5 m BGL on the northern part.
2. Production of Consent letter from the concerned end user of the excavated soil.
3. Production of Affidavit stating that the soil will not be used for filling wetlands.
4. The protocols required to be observed for any activities under the Right of Way of the High Tension Line should be complied with.

Item No.114.35 **Environmental Clearance for the Granite Building Stone quarry project in Sy No. 1 of Kannamangalam Village, Tirurangadi Taluk, Malappuram District, Kerala – Judgment dated 08.07.2021 in WP(C) No.13553 of 2021 - Revalidation of EC – (File No.1831/EC6/2021/SEIAA) - reg :-**

The Authority noted the decision of the 126th SEAC meeting to cancel the EC and issue stop memo urgently and initiate violation proceedings. The letter from the IRO, MoEF&CC dated 21.03.2022 also mentions about non-compliance of EC conditions. It is also observed from the letter that the proponent has not submitted any of the HYCR. The proponent has not submitted the documents required for revalidation of EC though it was requested on 20.7.2021.

Under the circumstances Authority decided the following:

1. The proponent should comply with the EC conditions and submit the compliance report within 3 months.
2. In the meantime, the proponent should submit the requested documents for revalidation EC along with compliance report; else the proposal will be delisted without any further notice.
3. The proposal shall be placed in the SEIAA meeting proposed to be held in September 2022 with all relevant details to proceed further with the matter.

Item No.114.36 **Environmental Clearance for the quarry project in Sy. Nos. 34/2 Pt., 30/2/2 Pt., 20/7 Pt., 30/2/3 and 20/1 Pt. at Oorakam Village and Panchayath, Tirurangadi Taluk, Malappuram District, Kerala by Sri. K. Mohammed Akbar, M/s. Ooragam Metals Ltd. – Judgment dated 01.02.2021 in WP(C) No.2512 of 2021 - Revalidation of EC – (File No.120/SEIAA/KL/2186/2015) reg : -**

The Authority perused the proposal and noted action taken by SEIAA and SEAC so far. Authority agreed to the suggestion of SEAC to inspect site by larger subcommittee of SEAC. As suggested by SEIAA already, SEAC may include the other members in the inspection team and inspection shall be held with notice to all concerned sufficiently in advance. Followed by the inspection SEAC may recommend the proposal for the further consideration of SEIAA.

Item No.114.37 **Environmental clearance for the proposed Building Stone Quarry project in Survey No. Q 02/1065 pt in Melmuri Village, Ernad Taluk, Malappuram District, Kerala by Mr. Musthafa Palakkan –**

Submission of EMP in compliance with the EC condition (File No. 1265/EC2/2019/SEIAA)

The Authority decided to inform the Project Proponent to submit a revised EMP to the satisfaction of SEAC by attending all the observation made by SEAC within two months. Otherwise, his proposal for revalidation will be delisted without any further notice.

Item No.114.38 Environmental Clearance issued to the quarry project in Sy. Nos. 42/2 pt, 42/3 pt & 43/4 pt at Oorakam Village and Panchayat, Thirurangadi Taluk, Malappuram District – Request to change the ownership of EC – (File No.874/SEIAA/EC1/3105/2014)

The Authority examined the application for transfer of EC in detail. Sri K S Paulose requested to transfer EC no 874/SEIAA/EC1/3105/2015 dated 02-05-2015 issued to Sri Basil Paul, Managing Partner, M/s Popular Sand and Metals. But Sri. Basil Paul informed in writing that he didn't give consent to transfer EC issued in his name. The Standing Council gave the legal opinion that the EC was issued to Basil Paul and it can't be transferred without the consent of Basil Paul. Clause 11 of the EIA notification 2006 also insists for written no objection by the transferor i.e. Basil Paul. Under the circumstances, Authority decide to inform Sri K S Paulose that his request for transfer EC cannot be considered.

Item No.114.39 Environmental Clearance for the quarry project in Sy. Nos. 1019/3, 1019/4, 1019/5, 1019/6, 1019/7, 1021/6, 1021/8, 1021/9, 1027P, 1028P, 1029P and 1030P at Painkulam Village, Thalappilly Taluk, Thrissur District, Kerala by Sri.T.Mathew Abraham, M/s. Southern Rock & Aggregate Mining Company– Judgment dated 02.11.2020 in WP(C) No.17533 of 2020- Revalidation of EC- reg :- (File No.285/SEIAA/KL/1362/2014)

The Authority verified the item and noted the decisions of various SEAC meetings held on different dates, CCR from the RO, MoEF&CC and the FIR of the Sub-committee. The Authority observed that the SEAC has conducted the field visit twice to assess the compliance status of the EC and the conditions stipulated in its 124th SEAC meeting and recommended for revalidation of EC in its 127th meeting for the project life of 17 years. The

project life estimated by SEAC is project life of 17 years from the date of issuance of original EC i.e 03.12.2014.

The Authority noted that for the sustainable management of mining operations, the approved mining plan is revised every five years through a scheme of mining, as per KMMC Rules, incorporating the activities to be carried out for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved Mining Plan and extend the EC period to cover Project life of 17 years, from the date of issuance of original EC i.e 03.12.2014., subject to the review by SEAC at the end of every five years, to verify whether the Project Proponent has caused any damage to the Environment in the Project Region by violating any EC conditions.

The EC is subject to Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

1. The growth status of buffer plantations should be monitored and geo-tagged photographs to be incorporated in the Half Yearly Compliance Report.
2. The growth status of plants in the afforested area should be monitored and geo-tagged photographs to be incorporated in the Half Yearly Compliance Report.
3. Photographs with the date and time of the periodic cleaning of garland drain, silt traps, siltation pond and outflow channel to be incorporated in the Half Yearly Compliance Report.

<u>Item No.114.40</u>	Environmental Clearance for the quarry project in Sy. Nos. 147/15/3pt, 147/1070/1pt, 1070/3pt, 1070/1 pt, 147/4/1/1p, 147/1089/2pt, 147/1087/2pt, 1088/2/1, 1069/1/4pt, 1069/1/2pt, 1068/3pt, 147/1089/3pt of Ollukkara Village, Thrissur Taluk, Thrissur District, Kerala by M/s Thomson Granites Pvt. Ltd. – Judgment dated 24.11.2020 in WP(C) No.25842 of 2020 – Revalidation of EC- reg :- (File No.601/SEIAA/KL/4604/2014)
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The Authority verified the item and noted the decisions of various SEAC meetings held on different dates, CCR from the RO, MoEF&CC and the FIR of the Sub-committee. The Authority observed that the SEAC has conducted the field visit twice to assess the

compliance status of the EC and the conditions stipulated in its 124th SEAC meeting. SEAC has recommended to revalidate the EC with a project life of 16 years from the date of issuance of original EC (23.12.2015).

The Authority noted that for the sustainable management of mining operations, the approved mining plan is revised every five years through a scheme of mining, as per KMMC Rules, incorporating the activities to be carried out for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved Mining Plan and extend the EC period to cover Project life of 16 years, from the date of issuance of original EC i.e (23.12.2015), subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has caused any damage to the Environment in the Project Region by violating any EC conditions.

The EC is subject to Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

1. The growth status of green belt and compensatory afforestation areas should be monitored and geo-tagged photographs should be incorporated in the half-yearly compliance report.
2. Photographs with the date and time of the periodic cleaning of garland drain, silt traps, siltation pond and outflow channel to be incorporated in the Half Yearly Compliance Report.
3. Additional protection should be provided to the vertical face of the quarry at the northwest part to prevent any type of accidents.

Item No. 114.41 Application for Environmental Clearance for Integrated Complex “Sobha City” located in Survey No 217, 218,534 to 544, 546 to 556 in Puzhakkal, Guruvayoor Road, Thrissur District, Kerala (File No 1449/EC2 /2019/SEIAA)

The Authority noted the decisions of various SEIAA and SEAC meetings held on different dates , documents / clarifications submitted by the Proponent, the field inspection reports, letter from MoEF&CC, judgements from Hon’ble NGT/High Court and other

relevant notifications. This is the case of Project Proponent not submitting the application for extension of EC within the validity period.

The Authority in its 107th SEIAA meeting observed that in the appraisal report, SEAC has referred to the OM of MoEF&CC dt. 12-04-2016 which is relevant to granting extension of EC period to the projects in which Project Proponent has not submitted the application for extension of EC within the validity period. The clause (iii) of the said OM states as follows “The Environmental Clearance of the projects which have completed five (5) years on the date of publication of Notification (29.04.2015) and application of seeking extension of validity has not been submitted within the validity period by the project proponent, their extension of validity will be decided on case to case basis”.

Authority directed the Project Proponent to approach MoEE&CC for obtaining extension as per the OM cited above, narrating entire range of developments as the initial EC was given by MoEF & CC and they have also issued a ToR in July 2018. This decision of the Authority was further reiterated in the 111th meeting of the Authority.

The Proponent has now submitted a letter dated 12.05.2022 stating that as directed by SEIAA in its 111th meeting, he has submitted an application to MoEF&CC on 24.10.2021 and had received an email from MoEF&CC on 22.04.2022 stating that since SEIAA, Kerala has been reconstituted on 03.03.2022, the proposal has been transferred to SEIAA, Kerala. The Proponent also stated that he has informed by the officials in the Ministry that as per Clause 7 of EIA Notification, 2006 since all the stages of Environmental Clearance application such as screening, scoping, appraisal etc were already completed over and only the final decision of the Regulatory Authority is pending, SEIAA may take the final decision based on the recommendation from SEAC in its 118th meeting. Hence the Proponent requested to grant EC to the project.

Under these circumstances, Authority decided to issue Environmental Clearance for building of Integrated Complex “Sobha City” with a built-up area of 2, 56,017 m² as recommended by SEAC in its 118th meeting and as recommended by MoEE&CC, to cover the balance area of 27,117.41 m² after the expiry of original EC, as requested by the project Proponent, subject to the original EC and General Conditions. The validity of the EC will be 7 years from the date of issuance of EC.

Item No. 114.42 **Vetting of reply to Audit requisition No.3- reg - (File No.422/A1/2022/SEIAA)**

Authority decided to defer the item for detailed discussion.

Item No.114.43 **Environmental clearance issued to M/s VKL Infrastructure facilities Pvt. Ltd in Manickal village, Nedumangad Taluk, Thiruvananthapuram District - Mass petition filed by Shri. M. Aneesh & others against the quarry operations of VKL Infrastructure Facilities Pvt. Ltd (File No.3137/EC1/2019/SEIAA& Main file No. 753(A)/(B)/SEIAA/EC1/302/2015)**

The Authority heard the Proponent along with his advocate Mr. Girish Kumar on 25th May 2022 and gave him an opportunity of submitting a detailed hearing note within 7 days with necessary supporting documents to substantiate his claims. The proposal may be placed in the next SEIAA meeting for necessary further action.

Item No: 114.44 **Environmental Clearance for laterite building stone quarry project in Re.Sy.No.44/1, 41/1, at Thalakulathur 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}**

The Authority heard the Proponent along with his RQP and Adv. Harish Vasudeven on behalf of the Petitioner Sri. Chandukutty on 25th May 2022 and gave them an opportunity of submitting a hearing note within 7 days with necessary substantiating documents, if any. The proposal may be placed in the next SEIAA meeting for necessary further action.

Item No: 114.45 **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(C) No. 7019/2022 (File No.1737/EC4/2020/SEIAA)**

The Authority heard the Proponent along with his RQP and the Petitioner Smt. Sreeja and the Secretary, Mavoor Grama Panchayat on 25th May 2022 and gave them an opportunity of submitting a hearing note within 7 days with necessary substantiating documents, if any. The proposal may be placed in the next SEIAA meeting for necessary further action.

Item No.114.46 **Environmental Clearance for the quarry project in Sy. No. 276/2, 281/2 B/No. 45 at Anakayam Village, Anakayam Panchayath 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 - reg :- (File No.537/SEIAA/EC/3880/2014)**

The Authority heard the Proponent along with his Consultant on 25th May 2022 and gave them an opportunity of submitting a hearing note within 7 days. The details of each Mining Plan, leases/permits and their expiry dates are to be provided along with the hearing note. The proposal may be placed in the next SEIAA meeting for necessary further action.

Item No. 114.47 **Environment Clearance for mining lease of 'Granite Building Stone Quarry of Shri. P.S. Sebastian' over an extent of 3.3580 Ha. (8.2976 Acres) at Re-Survey Block No. 65, Re-Survey Nos. 170/3, 175/1, 175/1-1, 175/1-2, 175/1-3, 175/2, 173/1, 170/1, 170/2, & 170/4, Teekoy Village, Meenachil Taluk, Kottayam District, Kerala State – (Proposal No. SIA/KL/MIN/44633/2019 File No. 1530/EC2/2019/SEIAA) - REJECTED Online Proposal**

The Authority heard the Proponent along with his RQP on 25th May 2022 and gave them an opportunity of submitting a hearing note within 7 days with necessary supporting documents, if any to substantiate his claims. The proposal may be placed in the next SEIAA meeting for necessary further action.

Item No.114.48 **Request for Exemption from Environmental Clearance for Phase-1 of the proposed Waste to Energy Plant at Kanjikode, Palakkad District by Blue Planet Palakkad Waste Solutions Private Limited, BPPWSPL (File No.2411/EC1/2020/SEIAA)**

As intimated by the Authority, Sri. Hari Kumar Pillai, Project Director, M/s Blue Planet Palakkad Waste Solutions Pvt. Ltd., with his team attended the virtual meeting on 25th May 2022 and briefed the Waste to Energy Project at Palakkad. The Authority heard the presentation and directed them to submit a detailed technical report on the activities in each Phase with necessary substantiating documents within two weeks. The attention of the Project Proponent was also drawn to the letter of MoEF& CC dated 3.7.2017 relevant to the issues raised by him.

Item No.114.49 **Approval of Mining Plan and presentation by fake RQP's in SEAC meeting - petition lodged by All Kerala RQP Association – reg. (File No.931/A1/2022/SEIAA)**

Authority decided to defer the item for detailed scrutiny.

Item No. 114.50 **Judgment in the NGT O.A.No.76/2021 (SZ) dated 06-12-2021/ Judgment of Hon'ble High Court of Kerala in WP(C) No. 21767/2021 dated 11-03-2022**
&
Judgment dated 4.10.2019 in WP(C) No.31684/2016 filed by Tomy Thomas (File No.1255/EC4/2016/SEIAA) (Common Judgment in WP © 31684/2016, WP (C).15505/2016 &WP (C) 25529/2019) – Request for extension

Contempt of court case against Judgment dated 11-03-2022 in WP(C) No. 21767/2021, Contempt case No. CoC No. 839/2022 filed by Tomy Thomas

(Court case and complaint File No. 1255/EC4/2016/SEIAA)
(Environmental Clearance issued File No: 806/SEIAA/EC4/2237/2015)

The Authority discussed the proposal and observed that in the 113th SEIAA meeting held on 19th& 20th April 2022, the Authority noted directions of Hon'ble High Court of

Kerala in WP (C) No 21767/2021 dated 11-03-2022 and the directions of NGT in judgment in OA No 76/202 (SZ) dated 06-12 2021. The Authority decided to ascertain from SEAC whether stop memo could be revoked and if so revalidation proposal could be considered. Authority also forward all relevant documents, copies of minutes of meetings of SEIAA, and copies of Judgment in WP (C) No 21767/2021 dated 11-03-2022 and judgment in OA No. 76/202 (SZ) dated 06-12 2021 of NGT to SEAC to speed up the process in compliance with the directions of Hon'ble High Court and NGT. The SEAC as directed by SEIAA in its 113th meeting considered the proposal and decided to revoke the stop memo subject to the orders of Hon'ble NGT and High Court.

The Authority agreed with the decision of SEAC and decided to revoke the stop memo subject to the orders of Hon'ble NGT & High Court. The Authority also decided to direct the Proponent to apply for revalidation of EC. The decision of the Authority had been already communicated to Project Proponent.

Item No.114.51 **Report submitted by the District Collector, Malappuram based on the Judgment in WP (C) No. 27987/2019(W) filed by Sri.Saseendran and others before the Hon'ble High Court of Kerala – hearing to the complainant and Project Proponent – Reg. (File No. 3424/A2/2021/SEIAA)**

The Authority heard both Complainant Sri.Saseendran and Project Proponent Sri. P.P. Abdurahiman. Authority directed the complainant to furnish a detailed hearing note along with the copy of judgement dated 16-12-2021 and all other relevant documents in support of his grievances within seven days. A copy of the report submitted by the District Collector, Malappuram may be made available to the petitioner if he has not received the same already.

The Project Proponent was also directed to submit a detailed hearing note within seven days. On getting the details, the authority will decide future course of action. A copy of the report submitted by the District Collector, Malappuram and copy of the Judgment in WP (C) No. 27987/2019(W) may be made available to Project Proponent.

General Decisions

1) Pending reports from District Collectors:

The Authority decided to prepare a comprehensive list of pending cases due to non-receipt of reports from District Collectors. A DO letter from Member Secretary may be sent to respective District Collectors with details of pending reports. A specific time limit may also be fixed to submit the pending reports.

2) Public Complaints not relevant to decisions of SEIAA/SEAC:

The SEIAA/SEAC are receiving several complaints from general public on issues relating to land disputes, excess mining, matter coming under Pollution control board etc. SEIAA/SEAC shall take decision on the strength of documents / certificates issued by government departments and other statutory agencies and shall not get into the exercise of verifying the correctness of certificates and documents issued by other government departments and statutory agencies. Authority decided that in future such complaints of no relevance to decisions of SEIAA/SEAC shall be forwarded to the respective agencies for the redressal of complaints under intimation to petitioner. SEAC may note the decision of Authority.

PARIVESH FILES

PART – 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No:1 **Environmental Clearance for the proposed granite building stone quarry project in Re-Sy. No.159/2A2B of Poolakode Village, Kozhikode Taluk, Kozhikode District, Kerala by Shri. Satheesan (SIA/KL/MIN/130079/2019) (1696/EC4/2019/SEIAA)**

The Authority perused proposal and noted that the SEAC has corrected the minutes of the 126th meeting and decided to refer back the proposal to SEAC for further appraisal.

Item No. 2 **Environmental Clearance for the proposed granite building stone quarry in Re-Sy No. 188/2 in Kodyathur Village, Kozhikode Taluk, Kozhikode District Kerala by Shri. Mohammed K.K. (SIA/KL/MIN/138256/2020) (File No.1702/EC4/2020/SEIAA)**

Shri. Muhammed K.K, S/o Abdurahiman Haji, Kodakkodan House, Poovathikkal P.O., Urangattiri, Malappuram-673639 submitted an application for Environmental Clearance in SEIAA through PARIVESH for the Granite Building Stone quarry project in Re-Sy No. 188/2 at Kodyathur Village, Kozhikode Taluk, Kozhikode District of Kerala for an extent of 0.9199 Ha.

Authority noted that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 4. Compensatory afforestation should be done with fruit trees and the geo coordinates of the place with photographs should be provided along with HYCR.*
- 5. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 6. The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 7. Greenbelt development in the buffer zone should commence in the first year itself prior to the commencement of mining and should be nurtured and maintained in the subsequent years.*
- 8. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made*

available to the concerned Panchayat for information and implementation support.

- 9. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 10. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

It is brought to the notice of the Authority that the Project Proponent had expired and legal heirship and other documents were submitted in SEIAA office with a request to issue EC in the name legal heir. Authority considered the request and decided to issue EC in the name of the legal heir after ensuring that all required documents to issue EC in the name of legal heir are produced.

Item No.3

Environmental Clearance for the Granite Building Stone Quarry project in Re-Sy No. 104/1 of Kuruva Village, Perinthalmanna Taluk, Malappuram District, Kerala for an area of 0.7018 Ha by Shri. Siddique Aparambil (Proposal No. SIA/KL/MIN/141476/2020, 1660/EC6/2020/SEIAA)

Shri. Siddique Aparambil, Proprietor, Aparambil House Parammmalangadi, Malappuram submitted an application in SEIAA through PARIVESH on 25.09.2020 for

Environmental Clearance for the Granite Building Stone Quarry in Re-Sy No. 104/1 in Kuruva Village, Perinthalmanna Taluk, Malappuram District for an area of 0.7018 Ha.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 4. A protective retaining wall should be constructed around the overburden dump site as per the affidavit submitted.*
- 5. Compensatory afforestation should be done during the 1st year itself and the coordinates of the area should be provided along with HYCR.*
- 6. Fencing should be completed all around. A photograph with geo-coordinates need to be submitted after completion.*
- 7. The seasonal water flows along the southeast part of the site should be conserved as per the submitted affidavit.*
- 8. Before starting mining, the columnar rocks should be removed using a rock breaker. Fragmented and jointed outcrop should be removed with utmost care.*

9. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
10. *The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
11. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
12. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
13. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
14. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.4

Environmental Clearance for the Granite Building Stone Quarry of in Re-Sy No. 383/1, 385 in Panthalloor Village, Ernad Taluk, Malappuram District for an area of 1.8112 Ha by Sri. Shabeer Ali SIA/KL/MIN/158794/2020, 1835/EC6/2020/SEIAA (EC Proposal) & SIA/KL/MIN/35208/2019, 1346/EC2/2019/SEIAA (ToR proposal)

Sri. Shabeer Ali, S/o Muhammed, Paruthikuth House, Thachinganadam P.O, Malappuram submitted an application in SEIAA through PARIVESH on 24.04.2019 for Environmental Clearance for the Granite Building Stone Quarry in Re Sy No. 383/1, 385 in Panthalloor Village, Ernad Taluk, Malappuram District for an area of 1.8112 Ha.

The Authority noted that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 10 years.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 10 years, from the date of issuance of original EC subject to the review by SEAC at the end of five years. The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Compensatory afforestation should be done with fruit trees and it should commence prior to the commencement of mining. The geo-coordinates of the afforested place with photographs should be provided along with HYCR.*

4. *Maximum buffer should be maintained between the abandoned quarry & nearby BP4.*
5. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
6. *The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
7. *Retaining wall should be provided for the dumping site to a height of about 2m.*
8. *The transportation of mined material should be prevented during the peak hours in the forenoon and afternoon.*
9. *Sprinkling of water should be done on the unsurfaced road prior to the movement of each truck.*
10. *The green-belt development should be initiated prior to the commencement of quarry operations.*
11. *The CER proposed should be implemented during the first two years and maintained during the remaining project period.*
12. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
13. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the*

ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

- 14. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 15. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*
- 16. The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR.*

Item No.5 Environmental Clearance for Ordinary Earth Mining Project of Mrs. Anu J Kadavan, over an extent of 0.5685 Ha in Re-Sy. No 406/2-3-2 of Vazhakulam Village, Kunnathunad Taluk, Ernakulam District, Kerala (Proposal No. SIA/KL/MIN/169050/2020; File: No. 1785/EC3/2020/SEIAA)

Mrs. Anu J Kadavan, Kadavil Villa, Chalaykkal Estate, South Vazhakkulam P.O Aluva - 683105 submitted an application on 21/08/2020 in SEIAA through PARIVESH for Environmental Clearance of Ordinary Earth Mining Project, over an extent of 0.5685 Ha in Re-Sy No. 406/2-3-2 of Vazhakulam Village, Kunnathunad Taluk, Ernakulam District, Kerala.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in

its 127th meeting recommend to issue EC for the project life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 2 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease/permit order should be provided to the SEIAA before commencing the mining activity.*
- 3. The excavated soil shall not be used for filling the paddy fields or wetlands.*
- 4. The depth of mining should be limited above the groundwater table.*
- 5. Benches should be maintained with a height of 2 meters and width of 2 meters.*
- 6. Planting should be done in the elevated area after excavation.*
- 7. Appropriate drainage should be maintained from the Project site and surrounding area so as to ensure unhindered overland flow. The drainage channel should be provided with silt traps, siltation ponds and outflow channel which should be desilted periodically to avoid obstruction of overland flow.*
- 8. Top soil should be dumped in the laterite quarry in the adjacent plot and re-use in the excavated area.*
- 9. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

Item No.6 Environmental Clearance for the Granite Building Stone Quarry project in Re-Sy No. 321/1-1 of Kulukkallur Village, Pattambi Taluk, Palakkad District, Kerala by Sri. Muhammed Saleem.V
SIA/KL/MIN/169720/ 2020, 1433/EC1/2019/SEIAA
&
SIA/KL/MIN/41954/2019, 1433/EC1/2019/SEIAA

Sri. Muhammed Saleem V., Veluthethodi, Natyamangalam, Chundanbatta, Palakkad submitted an application in SEIAA through PARIVESH for the Granite Building Stone Quarry project in Re-Sy No. 321/1-1 of Kulukkallur Village, Pattambi Taluk, Palakkad District, Kerala.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
- 4. Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
- 5. The maximum depth of mining should be limited to 40 m above MSL to avoid breaching of the water storage in the quarry pit and also to avoid impact on the nearby wells.*
- 6. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till*

the mine closure plan is implemented in total.

- 7. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 8. The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 9. 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.*
- 10. The Green belt development in the buffer should be done in the first year of the project itself by giving preference to local plants and it should be nurtured and maintained in subsequent years.*
- 11. Compensatory afforestation should be done during the 1st year itself and the coordinates of the area with geotagged photos shall be submitted in HYCR*
- 12. The proponent should follow the measures in the comprehensive EMP prepared for the proposed and the two nearby abandoned quarries.*
- 13. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 14. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the*

ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

15. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

16. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.7

Environmental Clearance for the Granite Building Stone Quarry in Re-Sy No.587/1, 586 in Painkulam Village, Thalappilly Taluk, Thrissur District for an area of 0.8132 Ha by Sri. Ramankutty

**SIA/KL/MIN/172168/2020, 1815/EC6/2020/SEIAA (EC Proposal)
&
SIA/KL/MIN/44581/2019, 1463/EC2/2019/SEIAA (ToR Proposal)**

Sri. Ramankutty, Adiyampurath House, Killimanagalam P.O, Thrissur submitted application in SEIAA through PARIVESH on 28.10.2019 for Environmental Clearance for the Granite Building Stone Quarry in Re-Sy No. 587/1 & 586 in Painkulam Village, Thalappilly Taluk, Thrissur District for an area of 0.8132 Ha.

The Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

1. *The proponent shall carry out quarrying as per the approved Mine Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules, 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from District Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR.*
4. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
5. *The Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
6. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
7. *The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
8. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular*

intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 9. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 10. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.8 **Environmental Clearance for Ordinary Earth Mining Project of Mr. Mathachan P.J, over an extent of 0.9692 Ha in Re-Sy Nos. 440/1-2, 440/12-2, 440/2-2-2-2, 440/2-2-2 of Aikaranadu North Village, Kunnathunad Taluk, Ernakulam District, Kerala (Proposal No. SIA/KL/MIN/179449/2020; File No. 1814/EC3/2020/SEIAA)**

Sri. Mathachan P.J, Parambathussery House Kuzhikkadav, Ambalamedu Ernakulam 682303 submitted an application on 17/10/2020 in SEIAA through PARIVESH for Environmental Clearance of Ordinary Earth Mining Project over an extent of 0.9692 Ha in Re-Sy Nos. 440/1-2, 440/12-2, 440/2-2-2-2, 440/2-2-2 of Aikaranadu North Village, Kunnathunad Taluk, Ernakulam District, Kerala.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 1 year for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit order should be provided to the SEIAA before commencing the mining activity.*
- 3. The drainage along with silt traps and collection tanks should be desilted periodically to avoid obstruction of overland flow. Clarifiers should be provided*
- 4. The proponent should comply with Gazette Notification No. 9/2020 dated 04.01.2020.*
- 5. The proponent should submit a recent demand notice for the end-user before the issuance of EC.*
- 6. The approach road should be modified to facilitate 2-way traffic.*
- 7. Maximum extraction to be limited to 10m and 2m × 2m bench should be provided.*
- 8. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

Item No.9

Environmental Clearance for the Granite Building Stone Quarry in Re-Sy No. 53/2 in Venganellur Village, Thalappilly Taluk, Thrissur District for an area of 0.9910 Ha by Sri. K. I Joseph

**SIA/KL/MIN/205474/2021, 1444/EC2/2019/SEIAA (EC Proposal)
&
SIA/KL/MIN/41118/2019, 1444/EC2/2019/SEIAA (ToR proposal)**

The Authority noted that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority also noted that the proposed site is falls within 10km from the nearest protected area and the proponent has not submitted the proof regarding the wildlife clearance application before the Standing Committee of National Board of Wildlife. In this context, the Authority decided to defer the proposal for want of proof of application for Wild Life Clearance submitted before National Board of Wild Life and inform the same to Project proponent.

Item No.10 **Environmental Clearance for the proposed quarry project in Re-Sy No. 111/2-4 of Kodur Village, Perinthalmanna Taluk, Malappuram District, Kerala over an area of 0.3668 Ha by Mr. Moidu K (File No. 1348/EC2/2019/SEIAA, Proposal No. SIA/KL/MIN/264160/2022)**

Mr. Moidu K, Kurikkal, Mubaraq Mahal House, Manjeri Post, Malappuram District, Kerala, 676121 vide his application received in PARIVESH and the hard copy of the project received on 17/05/2019 sought Environmental Clearance under EIA Notification, 2006 for the Building Stone Quarry Project in Re-Sy No. 111/2-4 of Kodur Village, Perinthalmanna Taluk, Malappuram District, Kerala over an area of 0.3668 Ha.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the mine life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a mine life of 3 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the*

proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.

- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The recommendations in the slope stability study should be complied with and reported in the HYCR.*
- 4. Measures incorporated in the CER should be implemented in full during the first two years and it should be operated and maintained during the subsequent years till the Mine Closure Plan is implemented in total.*
- 5. A portion of the site includes a water logged pit which is currently being used for fish farming. The water quality should be maintained in compliance to pollution control norms.*
- 6. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 7. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 8. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area*

and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

9. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.11

Environmental Clearance for proposed granite building stone quarry in Block No. 54, Re Sy Nos. 465/1, 465/2, 465/3, 468/6, 468/7 of Anangadi Village, Ottappalam Taluk, Palakkad District by M/s GrandTech Sand & Aggregates Pvt Ltd SIA/KL/MIN/264403/2022, 1369/EC1/2019/SEIAA

Mr. Nadukkachira Abdul Kasim, Managing Director, M/s GrandTech Sand & Aggregates Pvt, Ananganadi, Pavukonam P.O., Ottappalam, Palakkad – 679522, vide an application received online and the hard copy of the project received on 13.06.2019, sought Environmental Clearance for the Granite Building Stone Quarry Project in Block No.54, Re-Sy Nos. 465/1, 465/2, 465/3, 468/6, 468/7 of Anangadi Village, Ottappalam Taluk, Palakkad District for an area of 3.6386 Ha.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 12 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 12 years, from the date of issuance of original EC subject to the review by SEAC at the end of every five years.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. EC shall be reviewed after 5 years by SEAC to ensure that the Project Proponent has followed all EC conditions and there is no damage to environment in the project region and there is no violation of any Act, Rules and Regulation applicable for quarrying.*
- 4. Mining should not be carried out between the BP7 and BP11 and a protection wall should be provided to the dumping site of overburden.*
- 5. Access Road of the required length should be developed.*
- 6. The existing vegetation in the proposed buffer should be retained and strengthened with more native plants, during the first year itself.*
- 7. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the remaining project life period.*
- 8. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions.. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular*

intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 9. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 10. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.12

Environmental Clearance for the Granite Building Stone quarry project in Re-Sy Nos. B1-138, 303/1 of Vellayoor Village, Nilambur Taluk, Malappuram District, Kerala over an area of 0.5594 Ha by Mr. Saleem Kunnummal (File No. 1382/EC2/2019/SEIAA Proposal No. SIA/KL/MIN/265362/2022)

Sri. Saleem Kunnummal, S/o. Ali Akbar, Kunnummal House, Pulingattupuram, Amayoor (P.O) Malappuram- 679303, Kerala, vide an application received online and the hardcopy received on 29.07.2019, sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Re-Sy Nos. B1-138, 303/1 of Vellayoor Village, Nilambur Taluk, Malappuram District, Kerala over an area of 0.5594 Ha.

Authority noted that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the life of mine of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a life of mine of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 12. If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from District Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR.*
- 3. the mine closure plan should be carried out within 6 months and submit the report. On receipt of the report, the SEAC shall verify the mine closure status.*
- 4. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 5. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

6. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
7. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
8. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.13

Environment Clearance for the proposed Granite Building Stone quarry project in Survey No. 20 of Panakkad Village, Ernad Taluk, Malappuram District, Kerala by Mr. Kunnummal Ali Haji, (File No. 1290/EC2/2019/SEIAA, Proposal No. SIA/KL/MIN/ 265363/ 2022)

Mr. Kunnummal Ali Haji, Kunnummal House, Iringalloor (PO) Malappuram vide an application received online and the hardcopy received on 03.05.2019, has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Sy No. 20 of Panakkad Village, Ernad Taluk, Malappuram District, Kerala for an area of 0.8247 Ha.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. As the approach road is narrow and settlements are seen on either side of the road, only tippers of 3 Ton capacity should be permitted to transport the boulders. Consent from house owners at the valley side of the road should be obtained.*
- 4. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in full.*
- 5. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 6. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

7. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
8. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*
9. *If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from District Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR.*

Item No. 14

Application for Environmental Clearance for Granite building Stone Quarry in Survey No. 221 in Mundakkayam village, Kanjirapally Taluk, Kottayam District (Proposal No. SIA/KL/MIN/265597/2022; File: No. 2434/EC2 /2019/SEIAA)

Shri. Shibin William Varghese, Shibin Villa, Vetticode P.O, Kattanam, Alleppey vide application received online and the hard copy of the project received on 12.07.19 has sought Environmental Clearance under EIA Notification, 2006 for the Building Granite Stone Quarry Project in Sy No. 221 at Mundakkayam Village, Kanjirapally Taluk, Kottayam District, Kerala, for an area of 0.9988 Ha.

Authority noted that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Relocate the top soil dump to lower elevation (on eastern side) with protective walls as per the revised map submitted.*
- 4. Reduce the depth of mining to 155m AMSL or 5 m BGL considering the need for maintaining slope stability and possibility of breach of pit. Accordingly the quantity of extraction proposed should be limited*
- 5. Compensatory afforestation should be done from the 1st year itself and the coordinates of the area with geotagged photos should be submitted with HYCR.*
- 6. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 7. Measures for maintaining the slope stability should be implemented and it should be reported in the Half Yearly Compliance Report.*
- 8. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular*

intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 9. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 10. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.15

Application for Environmental Clearance for granite building stone quarry of Mrs. Thresiamma Thomas in Re-Sy No. 264/2 in Kanjirappally Village, Kanjirapally Taluk, Kottayam (Proposal No. SIA/KL/MIN/265633/2022; File: No. 2804/EC2/2019/SEIAA)

Sri. Thresiamma Thomas, Anathanam House, Kanjirapally P.O, Kottayam vide application received online and the hard copy of the project received on 06/08/19 has sought Environmental Clearance under EIA Notification, 2006 for the Granite Building Stone Quarry Project in Re-Sy No. 264/2 at Kanjirapally Village, Kanjirapally Taluk, Kottayam District, Kerala, for an area of 0.9997 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority also noted that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in

its 125th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Top soil dump proposed in southern side of the project should be provided with protective wall.*
- 4. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 5. Compensatory afforestation should be done from the 1st year itself and the coordinates of the area with geo tagged photos should be submitted with HYCR.*
- 6. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 7. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use*

only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

- 8. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 9. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.16

Application for Environmental Clearance for the proposed Granite Building Stone Quarry project in Re-Sy Nos. 368/1-2, 368/1-3, 368/2 & 369/1-1 (Block No. 24) of Vellilappally Village, Meenachil Taluk, Kottayam District, Kerala by Mr. Augustine Michael, Managing Partner, M/S Michael Granites (Proposal No. SIA/KL/MIN/265640/2022; File No. 1277/EC2/2019/SEIAA)

Sri. Augustine Michael, Managing Partner, M/s Michael Granites, V/368, Michael Plaza Building, Ramapuram Bazar P.O., Kottayam-686 576, vide an application received online and the hardcopy received on 26.04.2019, has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Re-Sy Nos. 368/1-2, 368/1-3, 368/2 & 369/1-1 (Block No.24) of Vellilappally Village, Meenachil Taluk, Kottayam District, Kerala for an area of 1.6845Ha.

The Authority verified the item with the decisions of various SEAC meetings and the FIR of the Sub-Committee. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 10 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 10 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the Environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Blasting should be strictly in accordance with the approved Mine Plan and vibration due to blasting should be monitored for Peak Particle Velocity and maximum charge per delay and included in the Half Yearly Compliance Report.*
- 4. Water level in the nearest dug well in the downstream side of the quarry should be monitored regularly and included in the Half Yearly Compliance Report*
- 5. Quality of water discharged from the quarry should be monitored regularly as per the norms of State Pollution Control Board and included in the Half Yearly Compliance Report.*
- 6. The proponent should submit an affidavit within 1 month from the date of receipt of EC to the effect that the project area included in the present proposal does not fall within the quarry area of 9.9 Acres under mention in the judgment of the Hon'ble Munsiff Court dated 16.12.2016 in O.S.No.33/2015.*

7. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
8. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
9. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
10. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
11. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.17

Application for Environmental Clearance of Granite Building Stone Quarry in Block No.23, Re-Sy Nos. 334, 345, 345/1 in Ramapuram Panchayath, Vellilappally village, Meenachil Taluk,

Kottayam District (Proposal No. SIA/KL/MIN/265720/2022; File No. 1354/EC2/2019/SEIAA)

Sri. Jose Joseph, Vellimoozhiyil (H), Kottayam vide his application received online and the hard copy received on 25/05/2019 has sought Environmental Clearance under EIA Notification, 2006 for the Granite Building Stone Quarry Project in Block No.23, Re-Sy Nos. 334, 345, 345/1 at Vellilappally village, Meenachil Taluk, Kottayam District, Kerala, for an area of 0.9805 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
- 4. Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
- 5. Compensatory afforestation should be done from the 1st year itself and the coordinates of the area with geo tagged photos shall be submitted with HYCR.*
- 6. Garland canal and drainage channel should be maintained on a regular basis so as to ensure unobstructed discharge of overland flow.*

7. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
8. *As per OM No F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
9. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
10. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
11. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No. 18

Application for Environmental Clearance for Granite Building Stone Quarry in Block No.20, Re Sy Nos. 184, 184/2 in Vallichira village, Meenachil Taluk, Kottayam District (Proposal No: SIA/KL/MIN/265726/2022; File No 1334 /EC2 /2019/SEIAA

Sri S. Unnikrishnan, Siva Vilas, Vallichira P.O, Kottayam vide his application received online and the hard copy of the project received on 25.04.19 and has sought Environmental Clearance under EIA Notification, 2006 for the Granite Building Stone Quarry Project in Block No. 20, Re-Sy Nos. 184, 184/2 at Vallichira Village, Meenachil Taluk, Kottayam District, Kerala, for an area of 0.8559 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. A water storage facility of at least 5 KLD should be established to meet the requirement of domestic needs of the workers as well as environmental management needs.*
- 4. The width of the approach road should be enhanced so as to accommodate 20 trips of truck with 10 MT capacity on a daily basis and other transportation needs of the local inhabitants. If it is difficult to enhance the width, transportation frequency should be reduced by 50%.*
- 5. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*

6. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
7. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
8. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
9. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No:19

Environmental clearance for the Proposed Granite Building Stone quarry project in Block No.11 Re-Sy Nos. 200/2, 201/2, 201/4, Kanakkari village, Meenachil taluk, Kottayam district, Kerala by Mr. Rajesh Mathew, Puthenpurrackal House, Pattithanam, Kottayam (Proposal No. SIA/KL/MIN/265729/2022; File No. 1380/EC2/2019/SEIAA)

Mr. Rajesh Mathew, Puthenpurrackal House, Pattithanam, Kottayam vide his online application dated 25.05.2019, sought Environmental Clearance under EIA Notification, 2006 for the proposed Granite Stone Building Quarry Mining Project, Kottayam in Block No.11 Re-Sy Nos. 200/2, 201/2, 201/4 at Kanakkari Village, Meenachil Taluk, Kottayam District, Kerala.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 4 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 4 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Compensatory afforestation should be done from the 1st year itself and the coordinates of the area with geo tagged photos should be submitted with HYCR.*
- 4. Stagnant water in the quarry is polluted and it should be cleaned and emptied from the quarry pit prior to commencement of quarrying. A report to this effect with geo-tagged photographs should be submitted in the first Half Yearly Compliance Report.*
- 5. Garland canal and drainage channel should be maintained on a regular basis so as to ensure unobstructed discharge of overland flow.*
- 6. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*

7. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
8. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
9. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
10. *The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from District Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR.*
11. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No:20

Environmental Clearance for the Proposed Granite Building Stone quarry mining project in Re-Sy Nos. 91/1, 91/1-1, 91/1-3, 93/3 Kanakkari village, Meenachil taluk, Kottayam district, Kerala by Mrs. Jubi Stiji, Pannamakal House, Kalathoor, Kanakkari, Kottayam. (Proposal No. SIA/KL/MIN/265731/2022; File no: 1345/EC2/2019/SEIAA)

Sri. Jubi Stiji, Pannamakal House, Kalathoor, Kanakkari, Kottayam vide online application dated 12.04.2019 sought Environmental Clearance under EIA Notification, 2006 for the proposed Granite Stone Building Quarry Mining project, Kottayam in Re-Sy Nos. 91/1,91/1-1,91/1-3,93/3 at Kanakkari villages, Meenachil Taluk, Kottayam District, Kerala.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 3 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Proponent should take adequate care to prevent breaching of impounded water.*
- 4. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 5. Vibration due to blasting should be monitored for Peak Particle Velocity and maximum charge per delay and included in the Half Yearly Compliance Report.*

6. *Compensatory afforestation plan should be done from the 1st year itself and the coordinates of the area with geo tagged photos should be submitted with HYCR.*
7. *As per OM No F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
8. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
9. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
10. *The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from District Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR.*

11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No. 21 **Application for Environmental Clearance for the proposed Quarry Project in Re-Sy Nos. 80/3, 80/3, 80/5A, 80/1A2, 80/1A2, 80/1A3, 80/1A1, 80/1A2 of Palakkuzha Village, Muvattupuzha Taluk, Ernakulam District, by Shri. A. J. Babu (Proposal No. SIA/KL/MIN/265967/2022; File No. 1317/EC2/2019/SEIAA)**

Shri. A. J. Babu, Arickappillil House, Karimpana P.O., Koothattulam, Ernakulam District, Kerala, vide an application received online and the hardcopy received on 10.04.2019 has sought EC under EIA Notification, 2006 for the quarry project in Re-Sy Nos. 80/3, 80/3, 80/5A, 80/1A2, 80/1A2, 80/1A3, 80/1A1, 80/1A2 of Palakkuzha Village, Muvattupuzha Taluk, Ernakulam District Kerala State for an area of 0.8110 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 4 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue EC for a project life of 4 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The triparty agreement submitted by the proponent regarding the time of blasting and operation of crusher should be strictly complied with so as to avoid the amplification of the seismic waveform due to ground vibration due to simultaneous blasting from the adjacent quarries and crusher operations.*

4. *Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
5. *A green belt should be developed around the Anganwadi with the consent of the owner of the property.*
6. *The garland canal and drainage channel should be maintained on a regular basis so as to ensure unobstructed discharge of overland flow.*
7. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
8. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management \Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
9. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
10. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No. 22 **Application for Environmental Clearance for Granite Building Stone Quarry in Re-Sy Nos 242/3, 242/4 of Uzhavoor & 245/2, 245/3 of Monipally Villages in Meenachil Taluk, Kottayam District (Proposal No. SIA/KL/MIN/266217/2022; File No.1307/EC2/2019/SEIAA)**

Sri. Raju Cyriac, Kuzhikattil House, Vayal P.O, Kottayam vide an application received online and hard copy of the project received on 10.05.19 for EC under EIA Notification, 2006 for the Granite Building Stone Quarry Project in Re-Sy Nos. 242/3, 242/4 of Uzhavoor and 245/2, 245/3 of Monipally Villages in Meenachil Taluk, Kottayam District, Kerala, for an area of 1.7921 Ha.

The Authority verified the item with the decisions of various SEAC meetings and the FIR of the Sub-Committee. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 6 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 6 years, from the date of issuance of original EC subject to the review by SEAC at the end of five years. The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department*

of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.

- 3. EC shall be reviewed after 5 years by SEAC to ensure that the Project Proponent has followed all EC conditions and there is no damage to environment in the project region and there is no violation of any Act, Rules and Regulation applicable for quarrying.*
- 4. An observation well should be drilled for monitoring the Ground water level and the report should be submitted along with HYCR.*
- 5. Compensatory afforestation should be done from the 1st year itself and the coordinates of the area with geo tagged photos should be submitted with HYCR.*
- 6. Overland flow should not lead to erosion of the top soil dump and therefore, protective measures including channelling of the overland flow outside the boundary of the dump site.*
- 7. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 8. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 9. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

10. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.23. **Environmental Clearance for the proposed Building Stone Quarry project in Re-Sy No. 98/1 in Raroth Village, Thamarassery Taluk, Kozhikode District, Kerala State.by Mr. Haris C (File No. 1285/EC2/2019/SEIAA, SIA/KL/MIN/267003/2022)**

Mr. Haris C, Cheepilangode House, Velimanna P.O, Kozhikode 673573 Kerala, vide an application received online and the hardcopy received on 09.05.2019 sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Re-Sy No. 98/1 in Raroth Village, Thamarassery Taluk, Kozhikode District, Kerala for an area of 0.5605 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

1. *The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015*

and amendments thereby.

- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Quarrying should commence only after developing the road fully.*
- 4. The rock boulders which are dangerously poised on top of the proposed mine site should be removed prior to the commencement of mining activity.*
- 5. Development of green belt should commence prior to the commencement of mining activity.*
- 6. Mining of the lowest bench, 105-100m should not be done considering hydrogeological aspect.*
- 7. Provide adequate protection for the storage area proposed for overburden and mine waste prior to the commencement of mining activity to prevent the possibility of erosion of soil stored.*
- 8. Eco-restoration should be done with an exclusive detailed species recovery plan for the Queen Sago (Cycas circinalis), an endangered palm species. Nursery should be raised for both male and female forms of the species and re-introduction should be carried out in partnership with the local community or other interested parties like forest department, local schools or colleges within the 10 KM area and the surrounding homesteads.*
- 9. The choice of species for restoration and green belting should include three tree species - Terminalia bellirica, Terminalia chebula and Terminalia arjuna as these are the species that can bring back other associated biodiversity to this mining site and its surroundings.*
- 10. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 11. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region,*

indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 12. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 13. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 14. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.24

Environmental clearance for the proposed Building Stone Quarry project in, Re-Sy Nos. 1619/1, 1621/1 in Kanthaladu Village, Thamarassery Taluk, Kozhikode District, Kerala, by Mr. Haridasan T.H, (File No.1264/EC1/2019/ SEIAA, SIA/KL/MIN/268917/2022)

Mr. Haridasan T.H, Tharol House, Ekarol PO, Kanthaladu Village, Kozhikode District vide an application received online and the hardcopy received on 06.03.2019, sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Re-Sy Nos. 1619/1, 1621/1, in Kanthaladu Village, Thamarassery Taluk, Kozhikode District, Kerala for an area of 3.0040 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 10 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 10 years, from the date of issuance of original EC subject to the review by SEAC at the end of five years to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the Environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Adequate measures should be taken to ensure slope stability in the steep side slope areas.*
- 4. OB dumping location should be in the lower elevation as per the map submitted by the Proponent*
- 5. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*

6. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
7. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
8. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
9. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.25

Application for Environmental Clearance for Building Stone Quarry in Re-Sy Nos. 34/3-2, 34/10, 34/9, 35/1-2, 31/1-2, 31/1-3, 31/1-4, 45/2, 45/7, 45/8-2, 46/1-2, 34/8, 34/12, 44/2-3, 46/3, 45/5, 45/6, 34/3, 44/4 and 44/5, 34/2 in Mancode Village, Kottarakkara Taluk, Kollam District (SIA/KL/MIN/269106/2022 File.No.2543/EC2/2019/ SEIAA

Sri Manafudeen S, M/s Al-Fathima Crusher India Pvt. Ltd vide his application received online and the hard copy of the project received on 20/07/2019 and has sought Environmental Clearance under EIA Notification, 2006 for the building stone quarry project in Re-Sy Nos. 34/3-2, 34/10, 34/9, 35/1-2, 31/1-2, 31/1-3, 31/1-4, 45/2, 45/7, 45/8-2, 46/1-2, 34/8, 34/12, 44/2-3, 46/3, 45/5, 45/6, 34/3, 44/4 (Private owned land) of 3.3134 Ha and 44/5, 34/2 (Government Land) of 1.4834Ha at Mancode Village, Kottarakara Taluk, Kollam District, Kerala, for an area of 4.7968Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Field Inspection Report. After the due appraisal, the SEAC in its 125th meeting recommend to issue EC for the project life of 10 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 10 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*

12. *If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from District Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR.*
3. *the mine closure plan should be carried out within 6 months and submit the report. On receipt of the report, the SEAC shall verify the mine closure status.*
4. *The water quality monitoring report and co-ordinates of the open wells are to be submitted along with Half Yearly Compliance Report (HYCR).*
5. *The boundary pillars of the quarry should have a setback of 2.5 m from nearby KSEB LT power line.*
6. *Compensatory afforestation should be done from the 1st year itself and the coordinates of the area with geotagged photos shall be submitted in HYCR.*
7. *The traffic plan submitted by the proponent should be strictly complied with.*
8. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
9. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

- 10. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 11. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 12. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

PART – 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1. **Environmental Clearance for Granite Building Stone Quarry of Mr. Haridasan T, for an extent of 0.9896 Ha , Survey No 315 in Nagalassery Village, Pattambi Taluk, Palakkad District, Kerala SIA/KL/MIN/129777/2019 , 1561/EC1/2019/SEIAA**

Shri. Haridasan T. 37/817E Krishna Garden Krishnan Nair Road, Vengeri Karuvissery P.O Kozhikkode District, submitted an application for Environmental Clearance through PARIVESH on 13.12.2019 for the Granite Building Stone Quarry of Mr. Haridasan T, for an extent of 0.9896 Ha in Survey no 315, Nagalassery Village, Pattambi Taluk, Palakkad District, Kerala.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The Proponent should submit an affidavit stating that the drainage channel will be connected to the nearest natural drain prior to the commencement of mining.*

4. *The soil dump with proper gabion wall should be provided to avoid soil erosion.*
5. *The compensatory afforestation should be done with fruit trees and the geo-coordinates of the place with photographs should be provided along with HYCR.*
6. *Mining should be limited to 5 m below ground level to ensure uninterrupted seasonal drainage.*
7. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
8. *The drainage channel, silt traps and settling pond should be desilted periodically to ensure uninterrupted overland flow.*
9. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
10. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
11. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the*

land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

12. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.2

Environmental Clearance for the building stone quarry of Mr. P. P. Varghese, Proprietor, M/s Kallen Metals at Re-Sy No. 487/1-3B, 487/1-2-3 of Pallarimangalam Village, Kothamangalam Taluk, Ernakulam District, Kerala for an area of 0.9981 Ha (Proposal No. SIA/KL/MIN/130104/2019; File: No. 1638/EC3/2020/SEIAA)

Sri. P. P. Varghese, Proprietor, M/s Kallen Metals submitted an application for Environmental Clearance through PARIVESH for the Building Stone Quarry in Re-Sy Nos. 487/1-3B, 487/1-2-3 at Pallarimangalam Village, Kothamangalam Taluk, Ernakulam District, Kerala for an area of 0.9981 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*

3. *Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
4. *Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
5. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
6. *The drainage along with silt traps, collection tanks and outflow channel should be desilted periodically and geotagged photograph should be incorporated in the Half Yearly Compliance Report.*
7. *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.*
8. *Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
9. *Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
11. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL*

(Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

12. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

13. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.3

Granite Building Stone Quarry of M/s Friends Granites & Crushers at Re-Sy Nos. 109/1, 109/2, 109/4, 109/7, 109/8, 109/3/2, 110/1, 110/6/1, 110/6/2, 110/7, 110/8/1, 110/9, 110/10, 110/11, 110/15, 110/16, 110/17 of Vythiri Village, Thrikkaipetta Taluk, Wayanad District for an extent of 4.6308 Ha SIA/KL/MIN/130112/2019, 1628/EC2/2020/SEIAA

Mr. Kassim Puthanpurayil, Managing Partner, M/s Friends Granites & Crushers, Kambalakkad (PO), Kalpetta, Wayanad sought Environmental Clearance through PARIVESH on 14.05.2020 for the proposed Granite Building Stone Quarry in Re-Sy Nos. 109/1, 109/2, 109/4, 109/7, 109/8, 109/3/2, 110/1, 110/6/1, 110/6/2, 110/7, 110/8/1, 110/9, 110/10, 110/11, 110/15, 110/16, 110/17 of Vythiri Village, Thrikkaipetta Taluk, Wayanad District.

The Authority noted the action taken by SEAC in its 115th, 119th, 126th meetings of SEAC held on different dates and noted the contents of the Field Inspection Report of the Sub-Committee. After the due appraisal, the SEAC in its 127th meeting rejected the proposal quoting certain reasons.

Authority agreed to the recommendation of SEAC to reject the proposal and inform the same to Project Proponent quoting the following reasons for rejection.

- a. *The proposed site is located on the eastern side slopes of Manikkunnu Mala, a residual hill of length about 6km and width about 5km. With its highest peak at 1450m AMSL, it influences the climatic system and weather pattern of the region.*
- b. *Manikunnu Mala is a rugged mountainous landscape and an ecologically fragile mountain system, often called 'rock haven' is an "ecological island" surrounded with densely populated human habitations and agriculture land uses.*
- c. *Manikunnu Mala exhibits the ecological significance of Wayanad, a strategically set landscape in the confluence of three biologically diverse regions - the Western Ghats mountains, the Nilgiri hills and the Deccan plateau. This ecological confluence has made Wayanad as the most significant and ecologically fragile landscape of the Nilgiri Biosphere Reserve.*
- d. *'Nalukettum Chola', one of the peaks in this mountain strongly influences the hydrological aspects of the region. Several small streams and minor swamps dotted over this mountain supply water for agriculture, mainly rice cultivation in the valley as well as alongside the streams in the far away locations. It falls in the catchment of Karappara Reservoir, about 2.5 km from the proposed site.*
- e. *The foothills are characterized by relatively high population density. The hill is also characterized by the settlements of Paniya tribe who are traditionally the labour force for rice cultivation in the valley of Manikunnu mala.*
- f. *The forest here is mainly the west coast semi-evergreen type with a heterogeneous mixture of species that are common in evergreen and moist deciduous forests.*
- g. *The mountain is a rich repository of flora and fauna as reported with occurrence of many rare, endemic and threatened (RET) species. It is reported that the MS Swaminathan Research Foundation has recorded over 50 RET plant species from here. This mountain is the breeding habit for 167 birds, which include schedule I species of rare raptors such as Jerdon's Baza, Black Eagle and Crested Serpent Eagle. The thermal variations in the rocky surfaces makes conducive for flight of the raptors.*

- h. *Any activity impacting the landscape and ecology of Manikkunnu Mala is not found very desirable considering its relatively high landslide risk potential and rich biodiversity.*
- i. *At present, there are three proposals located on the north eastern side of the Manikkunnu mala for mining of building stones under consideration of SEIAA for environmental clearance. All these fall in the immediate catchment of Karappara reservoir. This proposal having an area of 4.6308 Ha along with another proposal under consideration for a cluster of 8.5278 Ha. The third proposal is about 1.6km away and three proposal together have a cumulative area of 13.2201 Ha.*
- j. *The mining, if permitted from this residual hill once, it may continue to attract many more such mining projects to this “rock heaven”. This will lead to extensive loss of the land system integrity of this fragile hillock, adversely affecting the climate, hydrology and biodiversity systems of the region and irreversible loss of natural resources. Scientifically, it should not be a priority location for mining considering the ecological significance, landslide susceptibility, contiguity to the Nilgiri Biosphere Reserve, habitations in the foothill etc.*
- k. *As a UNESCO- World Heritage Site and residual hill in the plateau region influencing the micro-climatic aspects of the region, it cannot be a priority location for mining.*

Item No.4

Environmental Clearance for Granite Building Stone Quarry project in Sy Nos. 666, 674, 674/p, 675, 675/p in Perumpilavu Village, Kunnankulam Taluk, Thrissur District for an area of 0.9945 Ha by Sri. K. V. Thaj (Proposal No. SIA/KL/MIN/130246/2019 File No. 1582/EC2/2019/ SEIAA)

Sri. K. V. Thaj, Kodavamparambil House, Perumpilavu P.O, Karikkad, Thrissur – 680 519 submitted an application in SEIAA through PARIVESH on 31.12.2019 for Environmental Clearance for the Granite Building Stone Quarry in Sy Nos. 666, 674, 674/p, 675, 675/p in Perumpilavu Village, Kunnankulam Taluk, Thrissur District for an area of 0.9945 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
- 4. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 5. Mining should be done as per the revised mining plan submitted by the proponent as directed by SEAC.*
- 6. All the built-up structures within a distance of 50 m from the proposed area should be demolished prior to the commencement of mining.*

7. *Vibration due to blasting should be monitored for Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*
8. *Garland drains and outflow channel should be provided with intermittent silt traps and maintained periodically by removing the obstructions and deposited silt.*
9. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
10. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
11. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
12. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.5

Granite Building Stone Quarry of M/s. Krishnagiri Stone Crusher over an extent of 3.8970 Ha (9.6290 Acres) at Re-Sy Nos. 344/4, 399/2, 402/1, 402/4 & 402/5, Muttill South Village, Vythiri Taluk, Wayanad District, Kerala State (Proposal No. SIA/KL/MIN/130461/2019, File No. 1311/EC1/SEIAA/2017)

Mr. T.V Alias, Managing Partner, Krishnagiri Stone Crusher, Krishnagiri. P. O, Meenangadi, Wayanad, Kerala– 673 591 sought Environmental Clearance for the proposed for Granite Building Stone Quarry in Re-Sy Nos. 344/4, 399/2, 402/1, 402/4 & 402/5, Muttill South Village, Vythiri Taluk, Wayanad District, Kerala, and the application was received on 30.12.2019.

The Authority noted the action taken by SEAC in its 115th, 118th, 126th meetings of SEAC held on different dates and noted the contents of the Field Inspection Report of the Sub-Committee. After the due appraisal, the SEAC in its 127th meeting rejected the proposal quoting certain reasons.

Authority agreed to the recommendation of SEAC to reject the proposal and inform the same to Project Proponent quoting the following reasons for rejection.

- a. There is a complaint against issuance of environmental clearance to the quarry quoting inadequate distance to houses and other public facilities as well as ecological impacts. The complaints are substantiated with the report of District Forest Officer, Proceedings of the District Collector and report of the Additional Principal Chief Conservator of Forests and various press reports.*
- b. The District Forest Officer, South Wayanad Division vide his report dated 19.11.2014 submitted to the District Collector, Wayanad recommended not to allow quarrying or such other activities in the proposed area due to possible security threat to local population including tribal families, possible destruction of forests and habitats, possibility of biodiversity destruction, soil erosion, landslides, rock slips, damage to natural drainage systems, groundwater depletion, habitat destruction of wildlife, air, water and noise pollution etc.*
- c. The District Collector, Wayanad vide his Proceedings No. 1/2014/28027/12 dated 24.12.2016 rejected the application for LE-3 license for the quarry operated in the*

proposed site based on the report of Dy Collector (LR) and the District Police Chief and site visit conducted by him.

- d. Based on the complaints of the local residents of Mandad Mundupara, the District Forest Officer, South Wayanad Division conducted an enquiry through the Range Forest Officer, Meppadi and requested the District Collector vide letter dated 9.2.2018 to take action against commencement of quarry in the proposed site, reiterating his recommendations of the report dated 19.11.2014.*
- e. The Additional Principal Chief Conservator of Forests, North Region, Kozhikkode vide his letter dated 5.11.2018 requested the District Collector, Wayanad to take immediate action to prevent setting up of the proposed quarry in the Mandad-Mundupara quoting threat to the forest wildlife and human habitations.*
- f. The proposed site is located on the eastern side slopes of Manikkunnu Mala, a residual hill of length about 6km and width about 5km. With its highest peak at 1450m AMSL, it influence the climatic system and weather pattern of the region.*
- g. Manikunnu Mala is a rugged mountainous landscape and an ecologically fragile mountain system, often called ‘rock haven’ is an “ecological island” surrounded with densely populated human habitations and agriculture land uses.*
- h. Manikunnu Mala exhibits the ecological significance of Wayanad, a strategically set landscape in the confluence of three biologically diverse regions - the Western Ghats mountains, the Nilgiri hills and the Deccan plateau. This ecological confluence has made Wayanad as the most significant and ecologically fragile landscape of the Nilgiri Biosphere Reserve.*
- i. ‘Nalukettum chola’, one of the peaks in this mountain strongly influences the hydrological aspects of the region. Several small streams and minor swamps dotted over this mountain supply water for agriculture, mainly rice cultivation in the valley as well as alongside the streams in the faraway locations. It falls in the catchment of Karappara reservoir, about 3km from the proposed site.*
- j. The foothills are characterized by relatively high population density. The hill is also characterized by the settlements of Paniya tribe who are traditionally the labour force for rice cultivation in the valley of Manikunnu mala.*

- k. *The forest here is mainly the west coast semi-evergreen type with a heterogeneous mixture of species that are common in evergreen and moist deciduous forests.*
- l. *The mountain is a rich repository of flora and fauna as reported with occurrence of many rare, endemic and threatened (RET) species. It is reported that the MS Swaminathan Research Foundation has recorded over 50 RET plant species from here. This mountain is the breeding habit for 167 birds, which include schedule I species of rare raptors such as Jerdon's Baza, Black Eagle and Crested Serpent Eagle. The thermal variations in the rocky surfaces makes conducive for flight of the raptors.*
- m. *Any activity impacting the landscape and ecology of Manikkunnu Mala is not found very desirable considering its relatively high landslide risk potential and rich biodiversity.*
- n. *At present, there are three proposals located on the northeastern side of the Manikkunnu mala for mining of building stones under consideration of SEIAA for environmental clearance. All these fall in the immediate catchment of Karappara reservoir. This proposal having an area of 3.8970 Ha along with another proposal under consideration form a cluster of 8.5278 Ha. The third proposal is about 1.6km away and three proposal together have a cumulative area of 13.2201 Ha.*
- o. *Any activity impacting the landscape and ecology of Manikkunnu Mala is not found very desirable considering its relatively high landslide risk potential and rich biodiversity.*
- p. *The mining, if permitted from this residual hill once, it may continue to attract many more such mining projects to this "rock heaven". This will lead to extensive loss of the land system integrity of this fragile hillock, adversely affecting the climate, hydrology and biodiversity systems of the region and irreversible loss of natural resources. Scientifically, it should not be a priority location for mining considering the ecological significance, landslide susceptibility, contiguity to the Nilgiri Biosphere Reserve, habitations in the foothill etc.*
- q. *As a UNESCO- World Heritage Site and residual hill in the plateau region influencing the micro-climatic aspects of the region, it cannot be a priority location for mining.*

Item No.6

Environmental Clearance for the proposed removal of Ordinary Earth in Survey Nos. 136/66, 67, 68 of Sasthamkotta Village, Kunnathur Taluk, Kollam District, Kerala for an extent of 0.1289 SIA/KL/MIN/130694/2019, 1566/EC4/2019/SEIAA

Smt. Rabina, Palace, Manakkara, Sasthamkotta P.O, Kollam, Kerala – 690 521 sought an Environmental Clearance for the proposed removal of Ordinary Earth in Survey Nos. 136/66, 67, 68 of Sasthamkotta Village, Kunnathur Taluk, Kollam District, Kerala for an extent of 0.1289 Ha under B2 Category on 18.12.2019.

The Authority noted that after the due appraisal the SEAC in its 126th meeting recommend to issue EC for 6 months from the date of issue of permit from the Department of Mining & Geology for the removal 500 m³ of ordinary earth subject to the General Conditions.

The Authority decided to issue Environmental Clearance for a period of 6 months for the quantity of 500 m³ subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit from the Department of Mining and Geology. The copy of the lease/permit order should be provided to the SEIAA before commencing the mining activity.*
- 3. The excavated soil shall not be used for filling the paddy fields or wetlands.*

Item No.7

Environmental Clearance for the Building Stone Quarry of Mr. P. P. Varghese, Proprietor, M/s Kallen Metals at Survey No. 487/1-3B part of Pallarimangalam Village, Kothamangalam Taluk, Ernakulam District, Kerala for an Area of 0.9987 hectares. (Proposal No. SIA/KL/MIN/133818/2019; File: No. 1644/EC3/2020/SEIAA)

Sri. P. P. Varghese, Proprietor, M/s Kallen Metals submitted an application for Environmental Clearance through PARIVESH for the Building Stone Quarry in Re-Sy Nos. 487/1-3B part of Pallarimangalam Village, Kothamangalam Taluk, Ernakulam District, Kerala for an area of 0.9987 hectares.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue EC for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
- 4. Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
- 5. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 6. The drainage along with silt traps, collection tanks and outflow channel should be desilted periodically and geotagged photograph should be incorporated in the Half Yearly Compliance Report.*

7. *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.*
8. *Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
9. *Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
11. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
12. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

13. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.8 **Building Stone Quarry of Shri. Narayanan K. for an area of 0.9748 hectares at Re-Sy No. 331/2(pt), 332pt of Beemanady Village, Vellarkund Taluk, Kasaragod District, Kerala (SIA/KL/MIN/134011/2019, 1629/EC2/2020/SEIAA)**

Sri. Narayanan. K, Kandamkol House, P.O Mathamangalam, Kannur sought an Environmental Clearance for the proposed Granite Building Stone Quarry Project in Re-Sy Nos. 331/2pt, 332/pt Beemanadi Village, Vellarikund Taluk, Kasaragod District, Kerala on 13.05.2020.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

1. *The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt*

of the report, the SEAC shall verify the mine closure status.

- 4. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 5. The Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
- 6. The garland drain and outflow channel should be provided with intermittent silt traps and maintained periodically by removing the deposited silt and obstructions if any.*
- 7. Retaining wall should be provided for the dumping site to a height of about 2m.*
- 8. The transportation of mined material should be prevented during the peak hours in the forenoon and afternoon.*
- 9. Compensatory afforestation for the trees to be removed from the proposed site should commence in the first year along with the mining operations.*
- 10. The green-belt development should initiate prior to the commencement of quarry operations by ensuring planting of only the locally preferred and traditionally conserved mixed wild and agroforestry species.*
- 11. Among the species for restoration, the plant species like Wrightia tinctoria, Ficus spp., Terminalia bellirica, Mangifera indica, Pterocarpus marsupium, Artocarpus hirsutus, Pongamia pinnata, Macranga peltata, Trema orientalis, Kanankai tree (Cycas circinalis) should be included.*
- 12. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A*

copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

13. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

14. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

15. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.9

Building Stone Quarry of M/s NAT Industries, at Block No: 39, Re Sy Nos: 178/8, 173/4-5, 173/4-6, 173/4-25, 173/4-30, 173/4-1, Chadayamangalam Village, Kottarakkara, Kollam, Kerala for an extent of 1.8109 Ha under B2 Category (SIA/KL/MIN/134188/2019, 1581/EC2/2019/SEIAA),

Mr. Thajudheen H. M., Managing Partner, M/s NAT Industries. Pallickal House Parambuvila Lane, Ulloor, Medical College P.O, Thiruvananthapuram - 695011 submitted an application for Environmental Clearance on 14.05.2020 for Building Stone Quarry at Block No: 39, Re Sy Nos: 178/8, 173/4-5, 173/4-6, 173/4-25, 173/4-30, 173/4-1 in Chadayamangalam Village, Kottarakkara Taluk, Kollam District.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in

its 127th meeting recommend to issue EC for the project life of 8 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 8 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Compensatory afforestation should be done with fruit trees and the geocoordinates of the place with photographs should be provided along with HYCR.*
- 4. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 5. The approach road should be maintained with a width of 8m in accordance with the affidavit submitted.*
- 6. 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. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
8. *The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
9. *Green belt development should commence during the first year itself prior to the commencement of mining.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with **local self Govt. institutions**. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
11. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
12. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

13. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Authority also decided not to hear the complainant and the proponent as the SEAC has already examined the matter and forward the complaint to the District Collector for necessary follow up action and to the District Geologist for an enquiry.

Item No.10

Environmental Clearance for Granite Building Stone Quarry of Mr. R. Sudharman over an extent of 1.4561 Ha in Re-Sy Nos. 504/1, 504/2, 504/3 in Mallappally Village, Mallappally Taluk, Pathanamthitta District, Kerala- Judgement dated 03.02.2022 in WP(C) No. 27842 of 2021 SIA/KL/MIN/134626/2020, 1610/EC1/2020/SEIAA

Mr. R. Sudharman, S/o Raghavan, Puthen Vila Veedu, Kattayil, Odanadavattom P.O., Kollam 691512, submitted an application for Environmental Clearance through PARIVESH for the Granite Building Stone Quarry in Re-Sy. 504/1, 504/2, 504/3 in Mallappally Village, Mallappally Taluk, Pathanamthitta District, Kerala over an extent of 1.4561 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 9 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 9 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following additional Specific Conditions.

1. *The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *EC shall be reviewed after 5 years by conducting a field inspection by SEAC to ensure that the Project Proponent has followed all EC conditions and there is no damage to environment in the project region and there is no violation of any Act, Rules and Regulation applicable for quarrying.*
4. *If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the mine closure plan should be carried out within 6 months and submit the report. On receipt of the report, the SEAC shall verify the mine closure status.*
5. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
6. *The impact of vibration due to blasting should be monitored in terms of Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*
7. *The traffic plan submitted by the proponent should be adhere to strictly.*
8. *Green belt planting should commence from the first year of the project itself and continue till the mine closure plan is implemented fully.*
9. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed.*

The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 10. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 11. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 12. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No: 11

Environmental Clearance for the Granite Building Stone Quarry project in Re-Sy Nos. 304 part (Govt. Land) Parathodu Village, Block No. 49 of Udumbanchola Taluk, Idukki District, Kerala for an extent of 3.000 Ha by Sri. Binu George (Proposal No. SIA/KL/MIN/134803/2020; File No. 1656/EC3/2020/SEIAA)

Sri. Binu George, Naduvathuchira House, Parathodu, Combayar P.O, Idukki District, Kerala State 685 552 submitted an application for Environmental Clearance on 03/01/2020 through PARIVESH for the Granite Building Stone Quarry Project in Re-Sy Nos. 304 part (Govt. Land) Parathodu Village, Block No. 49 of Udumbanchola Taluk, Idukki District, Kerala for an extent of 3.0000 Hectares.

The Authority noted the action taken by SEAC in its 115th, 117th, 120th, 123rd, 124th and 126th meetings of SEAC held on different dates and the contents of the Field Inspection Report of the Sub-Committee. After the due appraisal, the SEAC in its 127th meeting rejected the proposal quoting the reason that the project is in an ESA Village and mining is prohibited as per existing norms.

The Authority agreed to the recommendation of SEAC to reject the proposal and inform the same to Project Proponent quoting the above reason for rejection.

Item No.12 Environmental Clearance for Laterite Building Stone Quarry of Mr. Velayudhan in Re-Sy No 424/2 in Paruthur Village, Pattambi Taluk, Palakkad District, Kerala SIA/KL/MIN/136253/2020, 1603/EC4/2020/SEIAA

Sri. Velayudhan N, Nalledath, Pazhanellippuram, Chembra P.O, Thiruvengapura, Palakkad 679304 submitted an application through PARIVESH on 11.05.2020 for the Laterite Building Stone Quarry in Re-Sy No 424/2, in Paruthur Village, Pattambi Taluk, Palakkad District, Kerala, over an extent of 0.0559 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 1 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 1 year for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA*

before commencing the mining activity.

3. *Mining should be limited only up to a depth of 6m with one bench of 1.0 m and three benches of 1.5 m.*
4. *The proponent should ensure adequate drainage facility.*
5. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
6. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
7. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.13

Granite Building Stone Quarry of M/s. Kalpetta Rocks Private Limited” over an extent of 4.6923 Ha (11.5946 Acres) in Block No. 29, Re-Sy Nos. 50/2, 50/3, 50/4, 50/5, 678/67, 678/69, 678/70, 678/74, 678/163, Thrikkaipetta Village, Vythiri Taluk, Wayanad District, Kerala (SIA/KL/MIN/140072/2020, 1631/EC2/2020/SEIAA

Sri. Shamsudheen M. A, Director, M/s. Kalpetta Rocks Pvt. Limited, Chathuppil Peedikayil House, Chittar (PO), Ranny, Pathanamthitta District, Kerala – 689 663 sought an Environmental Clearance for the proposed Granite Building Stone Quarry in Block No. 29, Re-Sy Nos. 50/2, 50/3, 50/4, 50/5, 678/67, 678/69, 678/70, 678/74, 678/163 in Thrikkaipetta Village, Vythiri Taluk, Wayanad District, Kerala on 02.04.2020.

The Authority noted the action taken by SEAC in its 115th, 117th, 119th, 126th meetings of SEAC held on different dates and the Field Inspection Report of the Sub-Committee. After the due appraisal, the SEAC in its 127th meeting rejected the proposal quoting certain reasons.

Authority agreed to the recommendation of SEAC to reject the proposal and inform the same to Project Proponent quoting the following reasons for rejection.

- a. *The site is located on the eastern side slopes of Manikkunnu mala, a landslide risk zone with 107m from a medium hazard zone which is in continuation of a high hazard zone at 310m.*
- b. *Manikkunnu Mala, a residual hill of length about 6km and width about 5km and with its highest peak at 1450m AMSL, influences the climatic system and weather pattern of the region.*
- c. *Manikunnu Mala is a rugged mountainous landscape and an ecologically fragile mountain system, often called ‘rock haven’ is an “ecological island” surrounded with densely populated human habitations and agriculture land uses.*
- d. *Manikunnu Mala exhibits the ecological significance of Wayanad, a strategically set landscape in the confluence of three biologically diverse regions - the Western Ghats mountains, the Nilgiri hills and the Deccan plateau. This ecological confluence has made Wayanad as the most significant and ecologically fragile landscape of the Nilgiri Biosphere Reserve.*
- e. *‘Nalukettumchola’, one of the peaks in this mountain strongly influences the hydrological aspects of the region. Several small streams and minor swamps dotted over this mountain supply water for agriculture, mainly rice cultivation in the valley*

as well as alongside the streams in the faraway locations. It falls in the catchment of Karappara reservoir, about 2.5km from the proposed site.

- f. The foothills are characterized by relatively high population density. The hill is also characterized by the settlements of Paniya tribe who are traditionally the labour force for rice cultivation in the valley of Manikkunnu mala.*
- g. The forest type here is mainly the west coast semi-evergreen type with a heterogeneous mixture of species that are common in evergreen and moist deciduous forests.*
- h. The mountain is a rich repository of flora and fauna as reported with occurrence of many rare, endemic and threatened (RET) species. It is reported that the MS Swaminathan Research Foundation recorded over 50 RET plant species from here. This mountain is the breeding habit for 167 birds, which include schedule I species of rare raptors such as Jerdon's Baza, Black Eagle and Crested Serpent Eagle. The thermal variations in the rocky surfaces makes conducive for flight of the raptors.*
- i. Any activity impacting the landscape and ecology of Manikkunnu Mala is not found very desirable considering its relatively high landslide risk potential and rich biodiversity.*
- j. At present, there are three proposals for mining of granite stones under consideration of SEIAA for environmental clearance. All these are located on Manikkunnu mala and fall in the immediate catchment of Karappara reservoir. This proposal having an area of 4.6923 Ha is located at a distance of 1.6km from the other two and the three proposal jointly have an area of 13.2201 Ha.*
- k. The site is located on a landslide hazard zone (within just 100-350 m range of both high hazard and moderate hazard zones) and a fragile landscape of significant ecological importance. The site also falls on the catchment of Karappara reservoir, located at a distance of about 2.5km.*
- l. The mining, if permitted from this residual hill once, it may continue to attract many more such mining projects to this "rock heaven". This will lead to extensive loss of the land system integrity of this fragile hillock, adversely affecting the climate, hydrology and biodiversity systems of the region and irreversible loss of natural*

resources. Scientifically, it should not be a priority location for mining considering the ecological significance, landslide susceptibility, contiguity to the Nilgiri Biosphere Reserve, habitations in the foothill etc.

- m. *As a UNESCO- World Heritage Site and residual hill in the plateau region influencing the micro-climatic aspects of the region, it cannot be priority location for mining.*

Item No.14

Environmental Clearance for Granite Building Stone of Mr. Sasidharan G over an extent of 2.8540 Ha at Re Sy Nos. 434/3, 4, 5, 7, 8, 9, 10, 12, 16, 17, 19, 20, 21, 22, 22-1, 23, 24, 27, 29, 436/2-1, 2-2, 2-3, 5 of Perumpazhuthoor Village, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala (SIA/KL/MIN/145849/2020, 1612/EC1/2020/SEIAA)

Sri. Sasidharan G. S/o Govindan Nadar, Thachamvilakathu Veedu, Perumpazhuthoor P.O, Neyyattinkara, Thiruvananthapuram District - 695126 submitted an application via PARIVESH on 22.04.2020 for Granite Building Stone over an extent of 2.8540 Ha at Re Sy No 434/3, 4, 5, 7, 8, 9, 10, 12, 16, 17, 19, 20, 21, 22, 22-1, 23, 24, 27, 29, 436/2-1, 2-2, 2-3, 5 of Perumpazhuthoor Village, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 11 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years .

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 11 years, from the date of issuance of original EC, subject to the review by SEAC at

the end of five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

1. *The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *The impact of vibration due to blasting should be monitored for Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*
4. *Compensatory afforestation plan should be commenced before the commencement of mining and the geo-coordinates of the area should be provided along with HYCR.*
5. *The mining should be limited to 55m above MSL.*
6. *The magazine shed should be shifted away from the quarry area as per distance criteria.*
7. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
8. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A*

copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 9. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 10. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.15

Building Stone Mine Quarry Project of Sri. Sukumaran E. in Block No. 3, Re-Sy Nos. 188/1, 188/2 of Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala (SIA/KL/MIN/146136/2020, 1630/EC2/2020/SEIAA)

Sri. Sukumaran E., Errolkunnummal House, Mukkam P.O., Kozhikode District, Kerala, Kozhikode, Kerala 673602 sought Environmental Clearance for the proposed Granite Building Stone Quarry in Block No. 3, Re-Sy Nos. 188/1, 188/2 of Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala on 06.04.2020.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due

appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the Clearance from the National Board for Wildlife and the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Since the quarry site is located at a distance of 8.5 km from the Wayanad Wildlife Sanctuary, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site.*
- 4. Authority makes it amply clear that EC issued does not necessarily imply that Wildlife Clearance shall be granted to the Project Proponent and that the proposal for Wildlife Clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
- 16. If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*

5. *Gabion protection should be provided for the OB dumping site to a height of about 1.5m.*
6. *Garland drains and outflow channel should be provided with intermittent silt traps and maintained periodically by removing the deposited silt and obstructions, if any.*
7. *Transportation of mined material should be prevented during the peak hours in the forenoon and afternoon.*
8. *The impact of vibration should be monitored in terms of peak particle velocity and amplitude and the details should be included the HYCR*
9. *Compensatory afforestation for the trees to be removed from the proposed site should commence in the first year along with the mining operations and the geocoordinates of the area should be provided along with HYCR.*
10. *The green-belt development should initiate before the commencement of quarry operations by ensuring the planting of only the locally preferred and traditionally conserved mixed wild and agroforestry species.*
11. *As the site has predominant agriculture-field characteristics and the Pulpally region shows a revival of pepper cultivation, the choice of species for restoration should include the traditionally preferred support trees (spineless coral tree, champak tree etc) for pepper farming.*
12. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self govt. institutions The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

13. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
14. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
15. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*
16. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Thiruvananthapuram and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*

Item No.16

Building Stone Quarry of Mr. Mehamood M. A. in Re-Sy Nos. 51/1A, 51/1C in Badoor Village, Manjeshwaram Taluk, Kasaragod District, Kerala State for an extent of 0.6187 Ha (SIA/KL/MIN/147443/2020, 1633/EC2/2020/SEIAA)

Mr. Mehamood. M.A., S/o Abdul Khader, Najma Manzil, Manya P.O, Ullodi, Kumbala, Kasaragod-671321 sought Environmental Clearance for the proposed for Granite Building Stone Quarry in Re-Sy Nos. 51/1A, 51/1C, Badoor Village, Manjeshwaram Taluk, Kasaragod District, Kerala State for an extent of 0.6187 Ha on 06.03.2020.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the

proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue EC for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Gabion protection should be provided for the OB dumping site to a height of about 1.5m.*
- 4. Garland drain and outflow channel should be provided with intermittent silt traps and maintained periodically by removing the deposited silt and obstructions if any.*
- 5. Transportation of mined material should be prevented during the peak hours in the forenoon and afternoon.*
- 6. Compensatory afforestation for the trees to be removed from the proposed site should commence in the first year along with the mining operations and the geocoordinates of the area should be provided along with HYCR.*
- 7. The green-belt development should be initiated before the commencement of quarry operations by ensuring the planting of only the locally preferred and traditionally conserved mixed wild and agroforestry species.*
- 8. Care should be taken to avoid the introduction of any invasive or aggressive/fast growing horticultural trees to keep the wild characteristics of the proposed site.*
- 9. The impact of vibration due to blasting should be monitored for Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*

10. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.
11. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.
12. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.
13. If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.

14. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No: 17 **Environmental Clearance for Granite Building Stone Quarry of M/s Seas Rock Products in Re-Sy No 426/3, 426/4, 426/5 at Neyyassery Village, Thodupuzha Taluk, Idukki District, Kerala State for an extent of 1.5163 Ha (SIA/KL/MIN/148361/2020; 1641/EC3/2020/SEIAA)**

Sri. Anshad E.P, M/s Seas Rock Products submitted an application via PARIVESH on 13/03/2020 for Granite Building Stone Quarry project in Re-Sy No 426/3, 426/4, 426/5 at Neyyassery Village, Thodupuzha Taluk, Idukki District, Kerala, for an extent of 1.5163 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 6 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 6 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.

- 1. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 2. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 3. The garland drain and outflow channel should be provided with intermittent silt traps*
- 4. The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 5. The Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
- 6. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 7. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which*

is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

8. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
9. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.18

Granite Building Stone Quarry Project of M/s K. Lekshmanan Infrastructure and Industries Pvt Ltd in Re-Sy Nos. 222/4, 222/5, 222/28, 222/14, 229/1- 2, 229/15, 229/15-2-1, 229/15-2-2 (Private Land) and 222/13, 222/21, 222/23, 222/24 (Govt. Land) at Chadayamangalam Village, Kottarakkara Taluk, Kollam for an area of 0.9812 Ha (SIA/KL/MIN/154110/2020, 1730/EC2/2020/SEIAA)

M/s K. Lekshmanan Infrastructure and Industries Pvt Ltd, Akkavila, Sreesarvana Nagar, Eravipuram, Kollam submitted an EC application via PARIVESH on 01.06.2020 for Granite Building Stone Quarry project in Re-Sy Nos. 222/4, 222/5, 222/28, 222/14, 229/1- 2, 229/15, 229/15-2-1, 229/15-2-2 (Private Land) and 222/13, 222/21, 222/23, 222/24 (Govt. Land) at Chadayamangalam Village, Kottarakkara Talul, Kollam District for an extent of 1.5163 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

On examination, the Authority noticed that even though the SEAC has estimated the project life of 3 years, the Proponent submitted the Mining Plan only for one year. Hence the Authority decided to direct the proponent to submit the approved Mining Plan with a mine life of 3 years.

Item No.19

Application for Granite Building Stone Quarry of Mr. Sasidharan at Re-Sy Nos. 240/3, 244/11, 244/10, 244/9, 244/3, 244/3-1 in Thekkada Village, Nedumangad Taluk, Thiruvananthapuram District (SIA/KL/MIN/158328/2020, 1424/EC1/2019/SEIAA & SIA/KL/MIN/42932/2019, 1424/EC1/2019/SEIAA

Sri. Sasidharan N., T.C 10/677, S. K Bhavan, Idayilakonam, Mannanthala P.O, Thiruvananthapuram submitted an application for EC via PARIVESH on 18.06.2020 for the Granite Building Stone Quarry at Re-Sy Nos. 240/3, 244/11, 244/10, 244/9, 244/3, 244/3-1 in Thekkada Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*

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 day and included in the Half Yearly Compliance Report.*
4. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
5. *The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
6. *An additional drain should be provided through the centre of the Quarry, preferably in between boundary stones No 1 & 2 for drainage of rainwater within the quarry.*
7. *The Action Plan for boulder management should be strictly followed for the removal of boulders present at the site.*
8. *Protection wall should be provided around the proposed OB dumpsite.*
9. *The approach road leading to the quarry should be widened before the commencement of quarrying.*
10. *Mining should be limited to the bench proposed from 80 to 75 m, for the protection of groundwater and avoiding water level reduction.*
11. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

12. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
13. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
14. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.20. **Granite Building Stone Quarry of Smt. E. M. Pathumbi in Block No. 04, Re-Sy Nos. 325/1, 327/5 at Pallassena Village, Chittur Taluk, Palakkad District, Kerala SIA/KL/MIN/159197/2020, 1324/EC2/2019/SEIAA & SIA/KL/MIN/34282/2019, 1324/EC2/2019/SEIAA (Conversion-ToR-EC)**

Smt. E. M. Pathumbi, Elavamkudi Mucheth House, Ponjassery P.O, Perumbavoor Ernakulam - 683 547 submitted an application for EC via PARIVESH for the Granite Building Stone Quarry in Block No. 04, Re-Sy Nos: 325/1, 327/5 at Pallassena Village, Chittur Taluk, Palakkad District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 2 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The Overburden dumping site should be shifted to the southwest part of the project area.*
- 4. Green belt development in the buffer should be done in the first year of the project itself by giving preference to indigenous plants and it should be nurtured and maintained in the subsequent year.*
- 5. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 6. The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 7. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

8. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
9. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
10. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.21

Environmental Clearance for the Granite Building Stone Quarry in Re-Sy No. 53/2 in Venganellur Village, Thalappilly Taluk, Thrissur District for an area of 0.9907 Ha by Sri. P. R. Vijayakumar SIA/KL/MIN/159524/2020, 1442/EC2/2019/SEIAA & SIA/KL/MIN/40579/2019 (ToR proposal)

Sri. P. R. Vijayakumar, Pattath House, Amala Nagar P.O, Thrissur submitted an application in SEIAA through PARIVESH on 19.09.2019 for the Environmental Clearance of Granite Building Stone Quarry in Survey No.53/2 in Venganellur Village, Thalappilly Taluk, Thrissur District for an area of 0.9907 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Since the quarry site is located within 10 km from the Protected Area, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site.*
- 4. Authority makes it amply clear that EC issued does not necessarily imply that Wildlife Clearance shall be granted to the Project Proponent and that the proposal for Wildlife Clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
- 5. If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
- 6. Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
- 7. Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*

8. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
9. *The Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
10. *Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the place with photographs should be provided along with HYCR.*
11. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
12. *The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
13. *The blasting shall be started only after removing the jointed rock blocks at the surface by using breakers, the jointed rocks must be split before removing.*
14. *The overburden should be stacked in Survey No.53/6 as proposed.*
15. *The width of the access road should be enhanced as per the affidavit submitted. The proponent should adhere to the plan for traffic management submitted in consultation with the adjacent proposed quarry of Shri. Joseph.*
16. *The proponent should follow the schedule of blasting to not to overlap with the blasting time of the adjacent quarry.*
17. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A*

copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 18. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 19. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 20. A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Thrissur and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
- 21. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.22

Application for Environmental Clearance for the Granite Building Stone Quarry of M/s. Delta Aggregates & Sands Pvt. Ltd. over an extent of 3.7691 Ha in Re-Sy Nos. 889/1-15-1 & 889/1-15, Perunad Village, Ranni Taluk, Pathanamthitta District, Kerala (SIA/KL/MIN/163854/2020, 1773/EC1/2020/SEIAA)

Shri. Thomas Philip, Managing Director, M/s Delta Aggregates & Sand Pvt. Ltd., Chittar, Pathanamthitta – 689663 submitted an application in SEIAA via PARIVESH on 24.07.2020 for the Granite Building Stone Quarry in Re-Sy Nos. 889/1-15-1, 889/1-15, Perunad Village, Ranni Taluk, Pathanamthitta District, Kerala for over an extent of 3.7691 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 7 years, subject to certain Specific Conditions in addition to the General Conditions.

However, the Authority noted that the proposed project site is at a distance of 6.5km from the Periyar Tiger Reserve and the RDO, Thiruvalla vide letter dated 27.04.2022 reported that the proposed quarry site is nearer to Rajappara Reserve Forest and Sabarimala Buffer Zone. It is also informed that the area is rich in biodiversity and is ecologically fragile zone; quarrying in such area may adversely affect the environment. The Authority decided to defer the proposal in the light of the letter from the RDO, Thiruvalla and to reconsider the same in the next meeting of SEIAA for decision.

Item No.23 **EC Application for the proposed Granite Building Stone of Sri. C. Krishna Pillai in Block No 27, Re-Sy Nos. 283/1pt, 283/2pt, 283/4, 296/3pt of Ezhumattoor Village, Mallapally Taluk Pathanamthitta District, Kerala SIA/KL/MIN/165625/2020, 1440/EC1/2019/SEIAA (Conversion ToR- EC)**

Sri. C. Krishna Pillai, Melathu Lakshmi Bhavan, Thazhakkara P.O, Alappuzha submitted an Environmental Clearance application via PARIVESH on 30/07/2020 for the proposed Granite Building Stone Quarry in Block No. 27, Re-Sy Nos. 283/1pt, 283/2pt, 283/4, 296/3pt of Ezhumattoor Village, Mallapally Taluk, Pathanamthitta District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 3 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

1. *The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
4. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
5. *The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
6. *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 day and included in the Half Yearly Compliance Report.*
7. *The Green belt development in the buffer should be done in the first year of the project itself with indigenous plants and it should be nurtured and maintained in subsequent years.*
8. *The small built structures within the distance of 50m from the project boundary should be demolished prior to commencement of mining.*
9. *The outflow channel should be connected to a natural drain which should be maintained properly to avoid runoff along the road during rains*
10. *The proponent should discharge the outflow from the quarry to the way-side public drain only after obtaining permission from the LSG.*
11. *The overburden dump should be located in the lower elevation area of the project site.*

12. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.
13. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.
14. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.
15. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.24

Environmental Clearance for the proposed Building Stone Quarry Project in Re-Sy Nos. 264/1, 295/6, 296/3, 296/4, 296/5, 297/1 of Vayakkara Village, Cherupuzha Taluk, Kannur District, Kerala by Sri. Sibish Augustine (SIA/KL/MIN/171276/2020) (1389/EC2/2019/SEIAA)

Sri. Sibish Augustine, S/o Augustine, Kandathil House, Prapoyil P.O, Kannur, Kerala 670511 vide his application dated 04.09.2020 sought Environmental Clearance for the Building Stone Quarry Project in Re-Sy Nos. 264/1, 295/6, 296/3, 296/4, 296/5, 297/1 of Vayakkara Village, Cherupuzha Taluk, Kannur District, Kerala for an area of 1.0854 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 10 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 10 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The development of the green belt should commence prior to the commencement of mining activity.*

4. *The garland drain and outflow channel should be provided with intermittent silt trap sand siltation pond and should be maintained periodically by removing the deposited silt and other obstructions, if any.*
5. *The pipe provided for the draining of excess water from the quarry pond should be cleaned periodically.*
6. *Mining should not be allowed below 75m above MSL, i.e., the lowest bench, 70m to 75m, should not be allowed to be mined.*
7. *Provide adequate protection for the storage area proposed for overburden and mine waste prior to the commencement of mining activity to prevent the erosion of soil storage*
8. *Monthly maintenance should be done to ensure the de siltation of the garland drain system and provide geo-tagged photos.*
9. *The impact of vibration due to blasting should be monitored for peak particle velocity and amplitude and included in the Half Yearly Compliance Report.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government institutions . The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
11. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

- 12. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 13. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

PART – 3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No:01 **Environment Clearance for mining of Granite Building Stone Quarry of Sri. Biju Varghese over an extent of 3.6570 Ha in Block No. 27, Re-Sy Nos. 19/2, 19/6, 19/7, 20/1, 20/2, 20/3, 20/3-1, 20/3-2, 51/1, 51/2, 51/2-1, 51/2-2, 52/1, Ramapuram Village, Meenachil Taluk, Kottayam District, Kerala State, India (SIA/KL/MIN/125065/2019; 1496/EC2/2019/SEIAA)**

Shri. Biju Varghese, Punnathanam, Kottayam, Kerala 686002 submitted an application for Environment Clearance via PARIVESH on 13-11-2019 for the Granite Building Stone Quarry over an extent of 3.6570 Ha in Block No. 27, Re-Sy Nos. 19/2, 19/6, 19/7, 20/1, 20/2, 20/3, 20/3-1, 20/3-2, 51/1, 51/2, 51/2-1, 51/2-2, 52/1, Ramapuram Village, Meenachil Taluk, Kottayam District, Kerala.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 12 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 12 years, from the date of issuance of original EC, subject to the review by SEAC at the end of every five years, *to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.*

The EC is subject to General Conditions and the following Additional Specific Conditions.

1. *The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
4. *The drainage channel with silt traps and collection tank should be provided and maintained periodically to ensure uninterrupted drainage of overland flow.*
5. *The depth of water column of old quarry should be limited to 10 m and excess water should be channeled to nearby natural stream.*
6. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
7. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for*

blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

8. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
9. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.2

Environmental Clearance for the Granite Building Stone Quarry in Re-Sy Nos. 1417/1, 1417/10, 1417/11, 1417/12, 1417/13 & 1417/14 of Kodakara Village, Chalakudy Taluk, Thrissur District for an extent of 0.9700 Ha by Sri. Bethi Seshadri Reddy, Project Manager M/s KMC Constructions Ltd. - Judgment dated.18.11.2021 in WP(C) No.25368 of 2021 regarding distance criteria (SIA/KL/MIN/125685/2019 1520/EC2/2019/SEIAA)

Sri. Bethi Seshadri Reddy, Project Manager, M/s. KMC constructions Ltd., Perambra, Thrissur submitted an application for Environmental Clearance in SEIAA through PARIVESH on 26.11.2019 for the Granite Building Stone Quarry in Re-Sy Nos. 1417/1, 1417/10, 1417/11, 1417/12, 1417/13 & 1417/14 of Kodakara Village, Chalakudy Taluk, Thrissur District., Kerala for an extent of 0.9700 Ha.

The Authority noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting

recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 4. The impact of vibration due to blasting should be monitored in terms of Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*
- 5. As agreed in the Affidavit a bund should be constructed at a height of 3m on the front side of the quarrying face to prevent rolling / sliding down of rock blocks to the quarry pond.*
- 6. The green belt development should commence prior to the commencement of mining.*
- 7. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self government Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the*

Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

8. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
9. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
10. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.03

Environmental clearance for Granite Building Stone Quarry of Sri. Ziyad. A. L Re Survey No 468/4, 468/5, 468/7, 468/10, 468/12, 468/13, 472/1 in Kilimanoor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District (SIA/KL/MIN/125990/2019, 1519/EC1/2019/SEIAA)

Sri. Ziyad A. L., Ziyad Manzil, Santhigiri P. O., Pothencode, Thiruvananthapuram submitted an application for Environmental Clearance via PARIVESH on 19.11.2019 for the Granite Building Stone Quarry in Re Survey No 468/4, 468/5, 468/7, 468/10, 468/12, 468/13, 472/1 in Kilimanoor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District, Kerala over an extent of 0.9162 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the

proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The boulder management plan agreed should be implemented.*
- 4. The garland drain and outflow channel should be provided with intermittent silt traps and maintained periodically by removing the deposited silt and obstructions, if any.*
- 5. Concrete border pillars should be erected instead of metallic poles.*
- 6. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 7. The impact of vibration due to blasting should be monitored in terms of peak particle velocity and amplitude and included in the Half Yearly Compliance Report.*
- 8. The green belt development should commence prior to the commencement of mining.*
- 9. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be*

included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 10. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 11. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 12. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No. 04

Environmental Clearance for the Building Stone Quarry of by Sri. Deepak N. D., M/s Quality Rocks in Re-Sy Nos. 26/2, 26/2, 26/2, 27/1, 27/3 at Vaniyamkulam-2 Village, Ottappalam Taluk, Palakkad District, Kerala (SIA/KL/MIN/126088/2019, 1525/EC1/2019/SEIAA)

Sri. Deepak N. D., Managing Partner, M/s Quality Rocks submitted an application for Environmental Clearance via PARIVESH on 04.12.2019 in Re-Sy Nos. 26/2, 26/2, 26/2, 27/1, 27/3 at Vaniyamkulam-2 Village, Ottappalam Taluk, Palakkad District, Kerala for an area of 0.9990 Hectare.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the

proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The shed adjacent to the quarrying area should be dismantled before the commencement of mining. An affidavit to the effect should be produced before the issuance of EC.*
- 4. The OB dumping site, which is located close to the valley, must be protected with a retaining wall to prevent any possible erosion/rolling down of debris to the adjacent valley.*
- 5. The valley sides must be reinforced by using geo- textiles and vetiver plant.*
- 6. The width of the access road should be increased to 7m.*
- 7. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 8. The green belt development should commence prior to the commencement of mining.*
- 9. The drainage channel should be provided with intermittent silt traps and collection tank and maintained periodically by removing the deposited silt and obstructions, if any.*

10. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.
11. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.
12. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.
13. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No: 05

Environmental Clearance for the Granite Building Stone Quarry of Sri. K. M. Stephen over an extent of 4.9003 Ha (12.1086 Acres) in Block No. 27 & 37, Re-Sy Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1, Karimannur Village, Thodupuzha Taluk, Idukki District, Kerala (SIA/KL/MIN/126172/2019; 1527/EC1/2019/SEIAA)

Sri. K. M. Stephen, Kaniyarkuzhiyil, Karimkunnamp.O, Idukki District, Kerala – 685586 submitted an application for Environmental Clearance via PARIVESH on 20/11/2019 for the Granite Building Stone Quarry over an extent of 4.9003 Ha (12.1086 Acres) in Block No. 27 and 37, Re-Sy Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1 of Karimannur Village, Thodupuzha Taluk, Idukki District, Kerala.

The Authority noted the action taken by SEAC in its 108th, 111th, 113th, 118th, 120th, 126th meetings of SEAC held on different dates. After the due appraisal, the SEAC in its 127th meeting rejected the proposal stating that there are two built structures within the project area and there are other buildings near around 50m from the project area. Therefore, the project is not feasible as per norms.

Authority agreed to the recommendation of SEAC to reject the proposal and decided inform the same to Project Proponent quoting the above reasons for rejection.

<u>Item No.06</u>	Environment Clearance for Granite Building Stone Quarry of Sri. Mathew Daniel over an extent of 02.28.51 Ha in S. F. Nos. 340/1-26/3, 340/1-28/2, 340/1-30/1, 340/1/26-2, 340/1/26-1, Enadimangalam Village, Adoor Taluk, Pathanamthitta District (SIA/KL/MIN/127534/2019, 1554/EC1/2019/SEIAA)
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Sri. Mathew Daniel, Mangalathu Padijatathil, Adoor, Peringanadu, Parakoottam, Pathanamthitta District submitted an application via PARIVESH on 10.12.2019 for the Granite Building Stone Quarry of Sri. Mathew Daniel over an extent of 02.28.51 Ha in S. F. Nos. 340/1-26/3, 340/1-28/2, 340/1-30/1, 340/1/26-2, 340/1/26-1, Enadimangalam Village, Adoor Taluk, Pathanamthitta District.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 12 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 12 years, from the date of issuance of original EC, subject to the review by SEAC at the end of every five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The proponent should submit an affidavit stating that (i) all pillars will be replaced with concrete pillars with geo - coordinates written on it, (ii) provide proper fencing along the boundary, (iii) width of the road will be widened to 8m, (iv) OB dumping site will be shifted to the lower level, between BP1 and BP2, outside boundary and (iv) compensatory afforestation with native species will be done, prior to the issuance of EC*
- 4. The CER proposal should be implemented during the first two years and it should be operated and maintained during the rest of the project period.*
- 5. The drainage channel should be provided with intermittent silt traps and settling tanks with overflow to a natural drain.*
- 6. The drainage channel, silt traps and settling tank should be desilted periodically to ensure unhindered overland flow.*
- 7. Quarrying operations should be limited 85m msl*

8. *The impact of vibration due to blasting should be monitored in terms of peak particle velocity and amplitude and incorporated in the HYCR.*
9. *The green belt development should commence prior to the commencement of mining activity.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
11. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
12. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
13. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.07 Environmental Clearance for Building Stone Quarry of Sri. Maneesh P Mohanan in Re-Sy Nos. 1110/1B-5, 1110/1B10, 225/1A/14Pt, 225/1A/14Pt, 225/1A/14Pt, 227/14 at Marady Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an extent of 0.9394 Ha (SIA/KL/MIN/127562/2019; 1522/EC3/2019/SEIAA)

Sri. Maneesh P.Mohanan, Pulickamattathil, South Marady (P.O), Muvattupuzha Ernakulam District, Kerala submitted an Environmental Clearance application via PARIVESH on 27/11/2019 for the mining of Granite Building Stone Quarry in Re-Sy Nos 1110/1B-5, 1110/1B10, 225/1A/14Pt, 225/1A/14Pt, 225/1A/14Pt, 227/14, at Marady Village, Muvattupuzha Taluk, Ernakulam District for an extent of 0.9394 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 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.*
- 4. The Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*

5. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
6. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
7. *The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
8. *The mining should be restricted to 17m above MSL.*
9. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
10. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
11. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance*

of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

12. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.08

Environmental Clearance for the Granite Building Stone Quarry of Sri. P. C. James in Re-Sy Nos. 382/1, 383/1, 383/1, 383/1 at Varappetty Village, Kothamangalam Taluk, Ernakulam District for an area of 0.9958 Ha (SIA/KL/MIN/127997/2019; 1559/EC3/2019/SEIAA)

Sri. P.C. James, Pittappillil House, Eranalloor (P.O.), Varappetty, Ernakulam submitted an application for Environmental Clearance via PARIVESH on 28/11/2019 for the Granite Building Stone Quarry in Re-Sy Nos. 382/1, 383/1, 383/1, 383/1 at Varappetty Village, Kothamangalam Taluk, Ernakulam District over an extent of 0.9958 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*

3. *If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
4. *The boundary of the old quarry should be protected with proper fencing before the commencement of the mining activity.*
5. *Temporary sand washing arrangements in the adjacent plot may be shifted to a suitable place at a safe distance. The geo-coordinates of the place should be provided along with HYCR.*
6. *The buffer should not overlap with the road to the site.*
7. *Compensatory afforestation should be done with fruit trees and the geo-coordinates of the place with photographs should be provided along with HYCR.*
8. *Mining should be recommended after the completion of the mine closure plan of the old quarry owned by the proponent.*
9. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with **Local self Govt. institutions**. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

11. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
12. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
13. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.09 Environmental Clearance for Granite Building Stone Quarry of Sri. N. J James, Managing Partner, M/s, Neerakkal Granites in Re-Sy No. 74/2 at Elanji Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an area of 0.7028 Ha (SIA/KL/ MIN/128945/2019; 1534/EC3/2019/SEIAA)

Sri. N.J James, Managing Partner, M/s, Neerakkal Granites submitted an application for Environmental Clearance via PARIVESH on 03/12/2019 for the Granite Building Stone Quarry in Re-Sy Nos. 74/2 at Elanji Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an area of 0.7028Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 4. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
- 5. The green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
- 6. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain. An additional clarifier should also be provided.*
- 7. The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 8. Access road is narrow, so medium type vehicles should be used for the transportation of mined material.*
- 9. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region,*

indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. District Collector. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 10. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 11. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 12. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.10

Environmental Clearance for Granite Building Stone Quarry of Sri. Sabu Varghese, Managing Partner, M/s St. Kuriakose Granites in Block No. 41, Re-Sy Nos. 298/4, 298/18, at Thiruvaniyoor Village, Kunnathunadu Taluk, Ernakulam District, Kerala for an area of 0.9587 Ha (SIA/KL/MIN/129061/2019; 1531/EC3/2019/SEIAA)

Sri. Sabu Varghese, Managing Partner, St. Kuriakose Granites, MP/XII/457, Mangalathunada P.O, North Mazhuvannoor, Ernakulam submitted an application for Environmental Clearance via PARIVESH on 03/12/2019 for the Granite Building Stone

Quarry in Block No.41, Re-Sy Nos. 298/4, 298/18 at Thiruvaniyoor Village, Kunnathunadu Taluk, Ernakulam District, Kerala for an area of 0.9587 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 4. The water column of the pit should be restricted to 5m. The proponent should provide suitable measures to maintain the same and report it in the HYCR.*
- 5. Compensatory afforestation should be done with fruit trees and the geocoordinates of the place with photographs should be provided in the HYCR.*
- 6. Mining should be regulated above the local ground water table.*
- 7. 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.*
- 8. Garland drain should be provided all around the project area with intermittent silt*

traps, siltation ponds and outflow channel connecting natural drain.

- 9. The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 10. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 11. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 12. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 13. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.11

Environmental Clearance for the Granite Building Stone Quarry of Sri. Benny Joseph, M/s Nilamboor Sand and Metals Pvt. Ltd. in Block No. 1, Re-Sy Nos. 1/161-2, 1/161-4, 1/161, 1/182-4, 1/45, 1/181-4 at Pullippadam Village, Nilambur Taluk, Malappuram District, Kerala for an area of 2.4109 Ha (SIA/KL/MIN/129374/2019, 1540/EC3/2019/ SEIAA)

Sri. Benny Joseph, Managing Director, M/s. Nilamboor Sand & Metals Pvt. Ltd, Vendekkumpoil, Edivanna P.O, Malappuram submitted an application in SEIAA for Environmental Clearance through PARIVESH on 04.12.2019 for the Granite Building Stone Quarry in Block 1, Re-Sy Nos. 1/161-2, 1/161-4, 1/161, 1/182-4, 1/45, 1/181-4 at Pullippadam Village, Nilambur Taluk, Malappuram District for an area of 2.4109 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority verified the item with the decisions of various SEAC meetings and the FIR of the Sub-Committee. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 10 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 10 years, from the date of issuance of original EC, subject to the review by SEAC at the end of every five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the*

proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.

- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
- 4. OB dumping site is situated very close to the settling tank on the North West boundary. A retaining wall should be constructed to prevent any possible erosion /rolling down of debris to the settling tank.*
- 5. The valley slope along the eastern boundary should be reinforced by planting appropriate species of trees.*
- 6. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 7. 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.*
- 8. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 9. The garland drain along with silt traps, siltation ponds and outflow channel should be de silted periodically to avoid obstruction of overland flow and geo tagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 10. Soil protection/conservation measures to be taken in the slope region.*
- 11. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be*

implemented in consultation with local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

12. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

13. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

14. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.12. Granite Building Stone Quarry of Sri. Muhammed Hashim over an extent of 1.7488 Ha in Block No. 10, Re-Sy Nos. 22/2-2pt & 22/3pt at Pazhavangadi Village, Ranni Taluk, Pathanamthitta District, Kerala (SIA/KL/MIN/129508/2019 1528/EC1/2019/SEIAA)

Sri. Muhammed Hashim, Puthuparampil House, Pathanadu PO, Kangazha, Kottayam submitted an application for Environmental Clearance via PARIVESH on 04.12.2019 for the Granite Building Stone Quarry in Block No.10, Re-Sy Nos. 22/2-2pt & 22/3pt at Pazhavangadi Village, Ranni Taluk, Pathanamthitta District, Kerala for an area of 1.7488 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 7 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 7 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Compensatory afforestation should be done with fruit trees and the geocoordinates of the place with photographs should be provided along with HYCR.*
- 4. Overburden dump locality should be shifted to a lower and flat terrain as per the plan submitted.*
- 5. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*

6. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
7. *The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
8. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
9. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
10. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
11. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

12. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.13

Environmental Clearance for the Granite Building Stone Quarry of Sri. Mujeeb Rahman Kurikkal, M/s Manjeri City Infrastructures and Developers LLP in Sy No. 397 at Elankur Village, Ernad Taluk, Malappuram District, Kerala for an area of 3.2636 Ha (SIA/KL/MIN/129623/ 2019, 1537/EC3/2019/SEIAA)

Sri. Mujeeb Rahman Kurikkal, M/s Manjeri City Infrastructures and Developers LLP, Cherukulam, Ernad Knowledge City, Elamkur (P.O) Manjeri, Malappuram District submitted an application in SEIAA for Environmental Clearance through PARIVESH on 05.12.2019 for the Granite Building Stone Quarry in Sy No. 397 at Elankur Village, Ernad Taluk, Malappuram District, Kerala for an area of 3.2636 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 10 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 10 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

1. *The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *Compensatory afforestation should be done with fruit trees and the geocoordinates of the place with photographs should be provided along with HYCR.*
4. *OB dumping location should be shifted to lower level flat terrain, outside boundary with proper protection.*
5. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
6. *The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
7. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total*
8. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

9. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
10. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
11. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.14

Environmental Clearance for the Granite Building Stone Quarry of Sri. A.M. Chackochan, M/s Aishwarya Granites in Re-Sy No. 117/6 of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala for an extent of 0.7800 Ha (SIA/KL/MIN/129673/2019, 1545/EC2/2019/SEIAA)

Sri. A. M. Chackochan, Managing Partner, Aishwarya Granites, Arkkannoor P.O, Elavinmoodu, Ayoor, Kollam – 691 533 submitted an application on 07.12.2019 for Environmental Clearance for the Granite Building Stone Quarry in Re-Sy No. 117/6 of Elamadu Village, Kottarakkara Taluk, Kollam District, Kerala for an area of 0.78 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 4 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 4 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 4. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 5. The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 6. The green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
- 7. Proper and sufficient buffer have to be maintained in strict compliance of the approved mining plan.*
- 8. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular*

intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 9. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 10. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.15

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K. K. Premkumar at Re-Sy Nos. 1/100, 1 & 9, Tholambra Village, Thalassery Taluk, Kannur District, Kerala (SIA/KL/MIN/43053/2019; 1498/EC3/2019/SEIAA)

Sri. K. K. Premkumar, Kolanthra House, Melmuringodi P.O, Manathana, Kannur submitted an application for Environmental Clearance in PARIVESH on 21.11.2019 for the Granite Building Stone Quarry project in Re-Sy No. 1/100, 1 & 9 at Tholambra Village, Thalassery Taluk, Kannur District for an area of 1.4621 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due

appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 8 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 8 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The garland canal should be provided with intermittent silt traps and siltation pond and it should be connected to a natural drain.*
- 4. The drainage channel should be maintained periodically by desilting the channel, silt traps and siltation pond to preventing any obstructions to overland flow.*
- 5. The blasting in the mine should not be done when the crushes is in operation, which is located at a distance of 85m from the project site.*
- 6. The traffic plan should be adhered to strictly.*
- 7. Transportation of the mined material should not be done during the peak hours of forenoon and afternoon.*

8. *The green-belt development should initiate before the commencement of quarry operations*
9. *High volume discharge of water from the abandoned quarry, nearby, should be prevented.*
10. *There should be close monitoring of the overland flow through the natural drain as well as overflow from the abandoned quarry pit to ensure that the discharge of water from the site and its watershed is within the carrying capacity of the natural drain.*
11. *. The Project Proponent shall take immediate measures to close all the abandoned quarries mined by him in the Project site as per the final closure plans in the approved mining plans within 6 months and a report from District Geologist shall be produced to the effect that the final closure of quarries have been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC and District Geologist shall jointly verify the mine closure status. The EC given now is liable to be cancelled if the Project Proponent does not attend the mine closure activities as directed.*
12. *The boundary of the abandoned quarry should be protected appropriately and entry prevented without permission to avoid any accident.*
13. *The CER should be implemented during the first two years and operated and maintained during the subsequent years*
14. *The tree saplings for planting should be certified by a competent tree specialist or ecologist for their ecological characteristics and natural distribution.*
15. *The impact of vibration due to blasting should be monitored for peak particle velocity and amplitude and included in the Half Yearly Compliance Report.*
16. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for*

CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 17. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 18. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 19. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.16

Environment Clearance for the Granite Building Stone Quarry of Sri. Sudheesh A.T for an area of 0.9246 Ha (2.2846Acres) in Re-Sy No. 115/13 at Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala (SIA/KL/MIN/43590/2019, 1476/EC2/2019/SEIAA)

Sri. Sudheesh A.T., Adakkathothahil House, Kumbleri P.O., Wayanad 673591 submitted an application for Environmental Clearance on 07.11.2019 for the Granite Building Stone Quarry project in Re-Sy No. 115/13 in Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 6 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 6 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Since the quarry site is located within a distance of 10km from Nagarhole National Park and Tiger Reserve and Bandipur Tiger Reserve, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site.*

4. *Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
5. *The transportation of mined material should be prevented during the peak hours in the forenoon and afternoon.*
6. *Sprinkling of water should be done on the un-surfaced road before each movement of truck.*
7. *The green-belt development should initiate before the commencement of quarry operations. Preference for the planting should be given to endemic trees and fruit bearing native trees.*
8. *An additional buffer of 7.5m should be provided at the boundary earmarked by BP1 and BP8 adjacent to the flood plain.*
9. *The mining will lead to a quarry pond which will have a maximum depth of 20m on completion of mining. To reduce the thickness of water column, the mining of the bottom-most bench should be avoided to reduce the water column by 5m. The quarry pond should be safeguarded with strong fencing or boundary wall to prevent any accidents.*
10. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
11. *The impact of vibration due to blasting should be monitored in terms of peak particle velocity and amplitude and the details should be included in the HYCR.*
12. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region,*

indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 13. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 14. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 15. The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
- 16. A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Wayanad and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
- 17. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.17

Environmental Clearance for Building Stone Quarry of Sri. Sanju P. K. in Block No. 29, Re-Sy No. 286/1, 286/2, 286/2-2 at Mazhuvannoor Village, Kunnathunad Taluk, Ernakulam District, Kerala for an area of 0.9554 Ha (SIA/KL/ MIN/43709/2019; 1469/EC3/2019/SEIAA)

Sri. Sanju P.K, Pandirikkottil House, North Mazhuvannoor P.O, Ernakulam District submitted an application for Environmental Clearance via PARIVESH on 28/10/2019 for the Building Stone Quarry project in Block No. 29, Re-Sy Nos. 286/1, 286/2, 286/2-2 at Mazhuvannoor Village, Kunnathunad Taluk, Ernakulam District, Kerala for an area of 0.9554 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report,*

the SEAC shall verify the mine closure status. The EC given now is liable to be cancelled if the Project Proponent does not attend the mine closure activities as directed.

- 4. Boundary of the old quarry owned by the proponent should be protected with proper fencing before starting the mining activity.*
- 5. Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
- 6. Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
- 7. The green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
- 8. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 9. The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 10. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 11. 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.*
- 12. Compensatory afforestation should be done with fruit trees and the geocoordinates of the place with photographs should be provided along with HYCR.*
- 13. Blasting should be regulated considering the time of blasting of the adjacent quarry.*
- 14. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be*

implemented in consultation with District Collector. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

15. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

16. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

17. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.18

Environment Clearance for the Granite Building Stone Quarry of M/s. New Mary Matha Metal Crusher Unit for an area of 1.2488 Ha in Block. No. 41, Re-Sy Nos. 224/2, 228/1 & 228/5, Kooroppada Village, Kottayam Taluk, Kottayam District, Kerala (SIA/KL/MIN/43829/2019; 1475/EC2/2019/SEIAA)

Sri. K.J. Thomas, Managing Partner, M/s. New Mary Matha Metal Crusher submitted an application for Environmental Clearance via PARIVESH on 04/11/2019 for the Granite Building Stone Quarry for an area of 1.2488 Ha in Block No. 41, Re-Sy Nos. 224/2, 228/1 & 228/5, Kooroppada Village, Kottayam Taluk, Kottayam District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 6 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 6 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status. The EC given now is liable to be cancelled if the Project Proponent does not attend the mine closure activities as directed.*
- 4. Measures incorporated in the CER should be implemented in total during the first*

two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

- 5. The impact of vibration due to blasting should be monitored for Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*
- 6. The top soil dump should be relocated in a lower contour.*
- 7. Compensatory afforestation should be done from the 1st year itself and the coordinates of the area with geo-tagged photos shall be submitted in HYCR.*
- 8. The garland drain and the outflow channel should be provided with intermittent silt traps and siltation pond and it should maintained periodically by removing silt deposited in it.*
- 9. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 10. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 11. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and*

restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

12. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.19

Environmental Clearance for the Building Stone Quarry project of Sri. K. Gangadharan in Survey 52/2B2 of Kolavallur Village, Thalassery Taluk, Kannur District, Kerala (SIA/KL/MIN/43996/2019, 1487/EC3/2019/SEIAA)

Sri. K. Gangadharan, K.K.G House, Kooteripoil, Muthiyanga P.O, Kannur, Kerala 670693 submitted an application for Environmental Clearance via PARIVESH on 06.11.2019 for the Building Stone Quarry project in Survey 57/2B2 of Kolavallur Village, Thalassery Taluk, Kannur District, Kerala for an area of 1.5110 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 11 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 11 years, from the date of issuance of original EC, subject to the review by SEAC at the end of every five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Schedule of blasting should not overlap with the blasting time of the adjacent quarry.*
- 4. Schedule of transportation should be prepared in consultation with the adjacent quarry owners and ensure that the plight of vehicles shall not overlap.*
- 5. The abandoned quarry pond on the NW side of the proposed site may be used for harvesting water for meeting part of the water requirement during the operational phase of the quarry. However the Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
- 6. The mined material should not be transported during the peak hours in the forenoon and afternoon.*
- 7. Garland drain should be enlarged to carry the entire overland flow of the adjacent sloppy region of the quarry.*
- 8. The garland drain and outflow channel should be provided with intermittent silt traps and siltation pond and it should be de silted periodically.*
- 9. The development of the green belt should be commenced before the commencement of mining activity*
- 10. The blasting should not be conducted when the crusher located nearby is in operation.*

11. *Green belt development is to be done with native tree species. Exotic tree species should not be used in greenbelt.*
12. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
13. *The impact of vibration due to blasting should be monitored for peak particle velocity and amplitude and included in the Half Yearly Compliance Report.*
14. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
15. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
16. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

17. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.20

Environmental Clearance for the Granite Building Stone Quarry of M/s. Thomson Aggregates for an area of 4.9346 Ha (12.1933 Acres) in Block No. 19, Re-Sy Nos. 156/2, 156/3, 156/6, 157/1, 157/1-1, 157/1-2, 157/2, 157/3, 157/4, 157/4-1, 157/5, 157/6, 157/7, 157/10, 157/12, 157/13, 159/4, 159/5, 165/1, 165/7, 165/8 & 165/10 at Manimala Village, Kanjirappally Taluk, Kottayam District, Kerala (SIA/KL/MIN/44123/2019; 1495/EC2/2019/SEIAA)

Sri. K.V. Abraham, M/s Thomson Aggregates submitted an application for Environmental Clearance via PARIVESH on 23/11/2019 for the Granite Building Stone Quarry for an area of 4.9346 Ha (12.1933 Acres) in Block No.19, Re-Sy Nos. 156/2, 156/3, 156/6, 157/1, 157/1-1,157/1-2, 157/2, 157/3, 157/4, 157/4-1, 157/5, 157/6, 157/7, 157/10, 157/12, 157/13, 159/4, 159/5, 165/1, 165/7, 165/8 & 165/10 at Manimala Village, Kanjirappally Taluk, Kottayam District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 8 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 8 years, from the date of issuance of original EC, subject to the review by SEAC at the end of every five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The topsoil extracted during mining should be used only for afforestation.*
- 4. The Green belt development in the buffer should be done in the first year and commenced prior to the mining activity and it should be nurtured and maintained in subsequent years.*
- 5. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 6. The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 7. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 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.*
- 9. Mining should be restricted to above the groundwater table.*
- 10. Slope stabilization measures as per the slope stabilization study should be adopted strictly.*
- 11. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an*

Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

12. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.

13. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

14. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.21

Environmental Clearance for the Granite Building Stone Quarry project of Sri. Sebastian K.J. in Re-Sy No. 56/1 (p), Oorakam Village, Thirurangadi Taluk, Malappuram District, Kerala for an area of 0.8758 Ha (SIA/KL/MIN/44831/2019, 1488/EC3/2019/SEIAA

Sri. Sebastian K. J., S/o James, Kandathinkara House, Karekkad, Oorakam Melmuri P. O., Malappuram District, Kerala - 676 519 submitted an application for Environmental

Clearance in SEIAA through PARIVESH on 12.11.2019 for the Granite Building Stone Quarry in Re-Sy No. 56/1 (p), Oorakam Village, Thirurangadi Taluk, Malappuram District, Kerala for an area of 0.8758 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 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.*
- 4. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 5. Garland drain and connected out flow channel should be maintained in such way that it will not cause any damage to a nearby house.*
- 6. The garland drain along with silt traps, siltation ponds and outflow channel should be de silted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*

7. *The seasonal stream should be allowed to flow freely. Protect either side of the stream with bio-fencing without reducing the cross-sectional area.*
8. *The stream is allowed to flow through a concrete pipe below the road and at the confluence point where the garland drain meets, a settling tank with 8 m diameter and 1.5 m depth should be constructed.*
9. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
10. *The Overburden dumpsite should be relocated to a lower elevation.*
11. *The approach road must be properly maintained by periodic tarring.*
12. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
13. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
14. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and*

restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

15. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.22

Environmental Clearance for the Granite Building Stone Quarry of Sri. Cherian K Jose in Re-Sy No. 891/1A/38, 891/1A/82 & 891/1A/100, Kadavoor Village, Kothamangalam Taluk, Ernakulam District for an area of 0.9845 Ha (SIA/KL/MIN/44866/2019, 1505/EC3/2019/SEIAA)

Sri. Cherian K Jose, Kizhakkeparampil (H), Thruvampady (P.O.), Kottayam District, Kerala-686612 submitted an application for Environmental Clearance via PARIVESH on 30/11/2019 for the Granite Building Stone Quarry in Re-Sy Nos. 891/1A/38, 891/1A/82 & 891/1A/100, Kadavoor Village, Kothamangalam Taluk, Ernakulam district for an area of 0.9845 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 3 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided*

to the SEIAA before commencing the mining activity.

- 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.*
- 4. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*
- 5. The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geo-tagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
- 6. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 7. The Green belt development in the buffer should commence prior to the commencement of mining in the first year of the project and it should be nurtured and maintained in subsequent years.*
- 8. Compensatory afforestation should be done with fruit trees of indigenous species and the geo-coordinates of the place with photographs should be provided along with HYCR.*
- 9. The road should be widened as per the affidavit submitted.*
- 10. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. District Collector. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

11. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
12. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
13. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.23

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Reji Joseph at Re-Sy Nos. 268/8-1, 268/8-2, 268/6, 268/6-1, 269/1, 269/1-2, 269/1-3, 260/1, 260/1-1, 260/1-2 at Kangazha Village, Changanassery Taluk, Kottayam District (SIA/KL/MIN/46090/2019, 1491/EC2/2019/SEIAA)

Sri. Reji Joseph, Narikkattu House, Chamampathal P.O., Vazhoor, Kottayam District, Kerala 686517 submitted an application for Environmental Clearance via PARIVESH on 08/11/2019 for the Granite Building Stone Quarry Project in Re-Sy Nos. 268/8-1, 268/8-2, 268/6, 268/6-1, 269/1, 269/1-2, 269/1-3, 260/1, 260/1-1, 260/1-2 at Kanagazha Village, Changanassery Taluk, Kottayam District for an area of 2.0567 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 6 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover Project life of 6 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, *to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.*

The EC is subject to General Conditions and the following Additional Specific Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 4. The impact of vibration due to blasting should be monitored for peak particle velocity and amplitude and included in the Half Yearly Compliance Report.*
- 5. The garland drain and outflow channel should be provided with intermittent silt traps and should be maintained periodically by removing the silt deposited and the obstructions, if any.*
- 6. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for*

CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 7. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 8. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 9. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.24 Environmental Clearance for the Building Stone Quarry of Sri. Sabu Cheriyan in Re-Sy Nos. 185/3/2, 186/1/8 of Maneed Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an area of 0.9384 Ha (SIA/KL/MIN/46189/2019; 1523/EC3/2019/SEIAA)

Sri. Sabu Cheriyan, Managing Partner, M/s Marymatha Granites, Maneed P.O, Ernakulam District, Kerala-686661 submitted an application for Environmental Clearance through PARIVESH for the Building Stone Quarry in Re-Sy Nos. 185/3/2,186/1/8 of Maneed Village, Muvattupuzha Taluk, Ernakulam District for an area of 0.9384 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal

based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
- 4. Compensatory afforestation should be done on the south side of the proposed site on the land owned by the proponent as agreed and provide the geo-coordinates of the area with photographs along with HYCR.*
- 5. Green belt to be developed on the northern side between BP4 and BP6 in the first year itself.*
- 6. The proponent should ensure that the road to the proposed site does not pass through the buffer area.*
- 7. Proper fencing should be done in the boundary with the adjoining old quarry pit and around the old quarry pit.*
- 8. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years*

till the mine closure plan is implemented in total.

9. *The impact of vibration due to blasting should be monitored for peak particle velocity and amplitude and included in the Half Yearly Compliance Report.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
11. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
12. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
13. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.25

Environmental Clearance for the Building Stone Quarry Project of Sri. Sajith Lal M in Re-Sy Nos. 10/2, 97/4, 97/6, 97/7 of Kalpetta

**Village, Vythiri Taluk, Wayanad District, Kerala for an area of
0.9915 Ha (SIA/KL/MIN/76720/2018, 1490 /EC2/2019/SEIAA)**

Sri. Sajith Lal M, Malil House, Muttill North, Maniyangode PO., Wayanad- 673122 vide his application dated 22.12.2018 has sought Environmental Clearance for the Building Stone Quarry Project in Re-Sy Nos. 10/2, 97/4, 97/6, 97/7 of Kalpetta Village, Vythiri Taluk, Wayanad District, Kerala for an area of 0.9915 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. A retaining wall should be provided on all the three sides of the dumping site to a height of 2.5-3m.*
- 4. The garland drain and outflow channel should be provided with intermittent silt traps and siltation pond and should be maintained periodically by removing the deposited silt and other obstructions, if any.*
- 5. The transportation of mined material should be prevented during the peak hours in the forenoon and afternoon.*

6. *Sprinkling of water should be done on the un-surfaced road prior to each movement of truck.*
7. *The green-belt development should initiate prior to the commencement of mining. As the area is in a fairly good rainfall zone, the species selected for green belting should be tall evergreen trees. Species of Vateria, Hopea, Artocarpus and Elaeocarpus are recommended.*
8. *The quarry pond should be safeguarded with strong fencing or boundary wall to prevent any accidents.*
9. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
10. *Vibration due to blasting should be monitored for Peak Particle Velocity and amplitude and included in the Half Yearly Compliance Report.*
11. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
12. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*

13. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
14. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

PART – 4

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 **Environmental Clearance for the Granite Building Stone Quarry of Sri. M. D. Sreenivasan for an area of 2.9111 Ha in Re-Sy Nos. 196/1 pt & 212/1 pt of Valakom Village, Kottarakkara Taluk, Kollam District, Kerala (SIA/KL/MIN/34484/2019 1452/EC2/2019/SEIAA)**

Sri. M D Sreenivasan, Building No – I A, Sheeba Housing Society, Bhaupatil Road, Bopodi, Pune City, Pune, Maharashtra – 411020 submitted an application for Environmental Clearance through PARIVESH on 09.04.2019 for the Granite Building Stone Quarry in Sy Nos. 196/1 pt & 212/1 pt of Valakom Village, Kottarakkara Taluk, Kollam District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 8 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 8 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, *to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.*

The EC is subject to General Conditions and the following Additional Specific Conditions.

1. *The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *Compensatory afforestation should be done with fruit trees of indigenous species and the geocoordinates of the place with photographs should be provided along with Half Yearly Compliance Report (HYCR).*
4. *Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
5. *Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain. An additional clarifiers should also be provided.*
6. *The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the HYCR.*
7. *Topsoil dumpsite should be shifted to the lower elevation.*
8. *The proponent should adhere to the boulder removal plan as submitted.*
9. *The greenbelt development should be done from the first year prior to the commencement of mining.*
10. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed.*

The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 11. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 12. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Honourable Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
- 13. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.02

Environmental Clearance for the Building Stone Quarry Project of M/s Vengunadu Granite and Sands Pvt. Ltd. in Block No. 22, Re-Sy Nos. 238/1, 238/2, 239/1, 239/2, 239/5, 239/6, 239/7, Muthalamada I Village, Chittur Taluk, Palakkad (SIA/KL/MIN/39461/2019, 1546/EC1/2019/SEIAA)

The Authority heard the Proponent on 01st June 2022 and gave him an opportunity of submitting a hearing note within 7 days. Authority decided to post the case back to SEAC along with the hearing note for examination of all issues raised by Project proponent. The Project Proponent is directed to present his case before SEAC with all required documentary evidences to prove that the proposed project site does not fall under the purview of existing notifications issued by MoEF & CC on ESA.

Item No.03**Environmental Clearance for Expansion of Masonry Stone Mine Project of M/s H & P Granites for an area of 9.0681 Ha at Kummil Village, Kottarakkara Taluk, Kollam District, Kerala (SIA/KL/MIN/44927/2019, 1210(A)/EC2/2019/SEIAA)**

Sri. Harish G. Nair, Managing Partner, M/s H & P Granites, 6/530, Kondody, Kummil P.O., Kottarakkara Taluk, Kollam District, Kerala-691536 submitted an Environmental Clearance application for the expansion of Granite Building Stone Quarry in Block No.50, Re-Sy Nos. 462/01, 462/01-2, 462/02, 465/01, 465/04, 465/04-2, 465/05, 481/01-2, 481/01-1, 482/02, 482/02-2, 482/02-3, 482/04, 482/05, 482/06, 483/03, 483/04 (Patta Land), 464, 465/03, 465/08, 482/01, 482/03 (Govt. Land), Kummil Village, Kottarakkara Taluk, Kollam District, Kerala for an area of 9.0681 Ha (Private own land = 6.5441 Ha + Government land with NOC from District Collector = 2.5240 Ha).

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, EIA Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 126th meeting recommend to issue EC for 5 years, subject to certain Specific Conditions in addition to the General Conditions.

Authority 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 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.

Authority 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.

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

(Extension/amendment/Corrigendum)

Item No.01

Environmental Clearance for the Extension of Removal of Ordinary Earth in Re-Sy Nos. 26/9-1, 26/9-2, 26/9-3 of Pooyapally Village, Kottarakkara Taluk, Kollam District, Kerala. (SIA/KL/MIN/159433/2020, 2051/A12019/ SEIAA)

Smt. Oseela Beevi, Thachantazhikath, Mylappur, Umayannur Industrial Estate P.O, Kollam Kerala 691589 submitted an application on 21.06.2020 for the extension of Environmental Clearance for the removal of ordinary earth in Re-Sy Nos. 26/9-1, 26/9-2, 26/9-3 at Pooyapally Village, Kottarakkara Taluk, Kollam District, Kerala. The original EC was issued on 26.09.2019 for 6 months and valid up to 25.03.2020.

The Authority noted that the proposal was placed in the 127th meeting of the SEAC and the Committee examined the documents submitted by the proponent and decided to recommend the extension of EC for 6 months from the date of issuance of permit from Mining & Geology. The proponent should follow the Specific and General Conditions stipulated as part of the original EC.

The Authority decided to extend the validity period of Environmental Clearance for six months from the date of receipt of permit from the Mining & Geology Department subject to the condition stipulated in the original EC.

Item No.02

Application for Extension of EC for the Granite Building Stone Quarry Project of Sri. Hisham E. C in Re-Sy No. 6/1 (p), Vettilappara Village, Urangattiri Grama Panchayat, Ernad Taluk, Malappuram District, Kerala for an area of 4.8542 Ha (SIA/KL/MIN/165541/2020, 856/SEIAA/EC1/2980/2015)

Environmental Clearance was issued by SEIAA vide order no. 856/SEIAA/EC1/2980/ 2015 dated 01.06.2016 to the Granite Building Stone Quarry Project of Sri. Hisham E. C, in Re-Sy No. 6/1 (p), Vettilappara Village, Urangattiri Grama Panchayat, Eranad Taluk, Malappuram District, Kerala for an area of 4.8542 Ha. The validity of the EC expires on 31.05.2022 (after Covid 19 relaxation). The Proponent submitted an application in PARIVESH on 21.09.2020 for the extension of EC already issued.

The Authority verified the item with the decisions of various SEAC meetings and noted that as per the Field Inspection Report, compliance with EC Conditions was satisfactory. After the due appraisal of FIR and all the additional documents submitted by the proponent, the SEAC in its 127th meeting recommended the extension of the validity of EC for a period of 5 years subject to certain Specific Condition in addition to the General Condition.

The Authority decided to extend the validity of EC for a period of 5 years subject to the Terms and Conditions in the original EC in addition to the following Specific Conditions.

- a. 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.
- b. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain. An additional clarifier should also be provided.
- c. The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).
- d. The Green belt development in the buffer should be strengthened by giving preference indigenous plants and it should be nurtured and maintained strictly.
- e. The soil dump should be provided with proper gabion wall to avoid soil erosion.
- f. Compensatory afforestation should be done without further delay and the coordinates of the area should be provided along with HYCR.

- g. The existing and the proposed overburden dumping site should be stabilized with appropriate vegetative measures.

CONSIDERATION OF TOR PROPOSALS

Item No.01 **ToR Application of Sri. Johnson George for the proposed Granite Building Stone Quarry Project in Un-Survey (Field No. 2159, 2160, 2162 Not Final) in Koodaranji Village, Thamarassery Taluk, Kozhikode District, Kerala. (SIA/KL/MIN/60375/2021; 1884/EC4/2021/SEIAA)**

Sri. Johnson George, Edapatte House, Koodaranji P.O, Kozhikode 673604 vide his application dated 30.01.2021 sought ToR for the Building Stone Quarry Project in Un-Survey (Field No. 2159, 2160, 2162 Not Final) Koodaranji Village, Thamarassery Taluk, Kozhikode, District, Kerala for an area of 5.2794 Ha.

The Authority noted that SEAC in its 126th meeting decided to approve Standard Terms of Reference with certain additional study.

The Authority decided to approve the Standard Terms of Reference with the following additional study:

- 1. Land stability study with special focus on the landslide proneness of the area.**
- 2. Impact of any interventions in the area including the previous mining activity.**

Item No.02 **ToR Application of Sri. M.R. Dinil for the proposed Ahalia Hospital at Elippara, Palakkad in Re-Sy Nos. 108/1, 110/1, 110/2, 111/1, Vadakarapathy Village, Chittur Taluk, Palakkad. (SIA/KL/MIS/72912/2022; 1939/EC1/2022/SEIAA)**

Sri. M. R. Dinil, Trustee, Ahalia International Foundation submitted an application for the approval of ToR via PARIVESH on 09.02.2022 for the proposed Ahalia Hospital at

Elippara, Palakkad in Re Sy Nos. 108/1, 110/1, 110/2, 111/1, Vadakarapathy Village, Chittur Taluk, Palakkad.

Authority noted that SEAC in its 126th meeting decided to approve the Standard Terms of Reference with certain additional study.

The Authority decided to approve the Standard Terms of Reference with the following additional study:

- 1. Assessment of surface and ground water availability and its sustainable management aspects.**

Item No.03

ToR Application for the proposed Granite Building Stone Quarry of Sri. Sudheesh A. T. in Re-Sy Nos. 55/2, 55/3, 55/4 of Irulam Village, Sulthan Bathery Taluk, Wayanad District, Kerala for an area of 2.4973 Ha (SIA/KL/MIN/39592/2019, 1412/EC2/2019/SEIAA)

The Authority observed two applications of Sri. Sudheesh A.T. were considered in the 126th SEAC meeting for the appraisal. The first proposal (Proposal No. SIA/KL/MIN/43590/2019; File No. 1476/EC2/2019/SEIAA) was considered as Part 1 Item 17 under Consideration / Re-Consideration of Environmental Clearance, for the Granite Building Stone Quarry in Re-Sy No. 115/13 Padichira Village, Sulthan Bathery Taluk, Wayanad. The second proposal (Proposal No. SIA/KL/MIN/39592/2019 and File No. 1412/EC2/2019/ SEIAA) was considered as Part 10 Item 11 under Consideration of ToR Proposals. However, from the 126th SEAC meeting agenda and the minutes, it seems that the title and decisions of the first proposal (Proposal No. SIA/KL/MIN/43590/2019; File No. 1476/EC2/2019/SEIAA) were duplicated in both places and SEAC has appraised only the first proposal of Sri. Sudheesh A.T. for the Granite Building Stone Quarry in Re-Sy no. 115/13, Padichira Village.

In this context, the Authority decided to return the proposal to SEAC for a fresh appraisal and recommendations.

Item No.04 Environmental Clearance for the Granite Building Stone Quarry of Sri. P. R. Vijayakumar in Re-Sy No. 53/2, Venganellur Village, Thalappilly Taluk, Thrissur District for an area of 0.9907 Ha (SIA/KL/MIN/159524/2020, 1442/EC2/2019/SEIAA & SIA/KL/MIN/40579/2019)

Decision taken in the EC Proposal, Part 2, Item No.21

Item No.5 Environmental Clearance for the Granite Building Stone Quarry of Sri. K. I Joseph in Re-Sy No. 53/2 in Venganellur Village, Thalappilly Taluk, Thrissur District for an area of 0.9910 Ha SIA/KL/MIN/205474/2021, 1444/EC2/2019/SEIAA (EC Proposal); SIA/KL/MIN/41118/2019, 1444/EC2/2019/SEIAA (ToR Proposal)

Decision taken in the EC Proposal, Part 1, Item No.9

Item No.06 Environmental Clearance for the Building Stone Quarry Project of Sri. Sibish Augustine in Re-Sy Nos. 264/1, 295/6, 296/3, 296/4, 296/5, 297/1, Vayakkara Village, Cherupuzha Taluk, Kannur District, Kerala (SIA/KL/MIN/171276/2020) (1389/EC2/2019/SEIAA)

Decision taken in the EC Proposal, Part 2, Item No.24

Item.No.07 Application for Granite Building Stone Quarry of Sri. Sasidharan at Re-Sy Nos. 240/3, 244/11, 244/10, 244/9, 244/3, 244/3-1 in Thekkada Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala (SIA/KL/MIN/158328/2020, 1424/EC1/2019/SEIAA SIA/KL/MIN/42932/2019, 1424/EC1/2019/SEIAA)

Decision taken in the EC Proposal, Part 2, Item No.19

Item No.08

Environmental Clearance for the Granite Building Stone Quarry of Sri. Ramankutty in Re-Sy Nos. 587/1, 586 in Painkulam Village, Thalappilly Taluk, Thrissur District for an area of 0.8132 Ha SIA/KL/MIN/172168/2020, 1815/EC6/2020/SEIAA (EC Proposal) SIA/KL/MIN/44581/2019, 1463/EC2/2019/SEIAA (ToR Proposal)

Decision taken in the EC Proposal, Part 1, Item No.7

Item No.09

ToR Application for the Proposed Outer Ring Road (Northern Ring (Navaikulam - Thekkada), Thiruvananthapuram SIA/KL/NCP/68856/2021, 1933/EC1/2022/SEIAA

Sri. Anand Singh, IAS, Special Officer, Capital Region Development Project submitted an application for ToR for the proposed Outer Ring Road (Northern Ring (Navaikulam - Thekkada), Thiruvananthapuram via PARIVESH on 01.11.2021. CRDP is an innovative initiative of Government of Kerala to systematically undertake planning and development of adequate urban infrastructure in and around the capital city of Thiruvananthapuram. As a part of road improvement GoK, under CRDP proposes to develop the northern ring of the Outer Area Growth Corridor (OAGC) project. GoK proposes to develop 29.800 km long 4 lane (expandable up to 6-lane) highway. The Panchayats through which the proposed corridor passes are: 1. Navayikulam 2. Karavaram 3. Nagaroor 4. Kilimanoor 5. Pulimathu 6. Vamanapuram 7. Pullampara 8. Manikkal 9. Vembayam.

The proposal was considered by the 126th SEAC meeting held on 11th to 13th April, 2022. The Committee examined the application for ToR and discussed the proposal. The Committee decided to approve Standard Terms of Reference.

Authority agreed to the recommendation of SEAC and decided to approve the Standard Terms of Reference for the EIA study.

Item No.10

ToR Application for the Granite Building Stone Quarry of Sri. Rajeevan P.V. in Re-Sy No. 5 in Thimiri Village, Thaliparamba Taluk, Kannur District Kerala (SIA/KL/MIN/173261/2020, 1431/EC3/SEIAA/2019)

Sri. Rajeevan P. V., S/o Kunhiraman, Puthiya Veetil House, Kooveri P.O, Kannur-670581 submitted an application for ToR in SEIAA through PARIVESH for the proposed Granite Building Stone Quarry Project in Re-Sy No. 5 at Thimiri Village, Thaliparamba Taluk, Kannur District of Kerala for an area of 0.9936 Ha.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

However, the Authority observed that the appraisal and recommendation of EC by SEAC were completed in the ToR application and the Proponent has not been submitted the EC application in PARIVESH. Hence Authority decided to direct the Proponent to apply for Environmental Clearance through PARIVESH with all necessary documents and SEAC to consider the project on priority in the next meeting itself.

Item No.11 **ToR Application for the China Clay (Minor Mineral) Mining Project of M/s EICL Limited in Re-Sy Nos. 177, 178, 179, 180, 241, 242, 181/21, 181/10, 182/3, 4, 5, 6, 10, 11, 12, 17, 183, 184, 240/2, 12, 13, 14, 229/14-1 (existing mine lease area of 14.5129 Ha) and Re-Sy Nos. 196/7, 10-5, 10, 10-2, 10-3, 245/1, 1-2, 1-3, 2, 3, 4, 5, 6, 16, 17 (proposed mine lease area of 1.0910 Ha) in Veiloor Village, Thiruvananthapuram Taluk, Thiruvananthapuram District SIA/KL/MIN/67030/2021, 1926/EC1/2021/SEIAA**

Sri. N. Manoj Pillai, Dy. General Manager (Mines), M/s EICL Limited, Thonnakkal P.O., Thiruvananthapuram-695317, submitted an application for ToR via PARIVESH for the China Clay (Minor Mineral) Mining Project in Re-Sy Nos. 177, 178, 179, 180, 241, 242, 181/21, 181/10, 182/3, 4, 5, 6, 10, 11, 12, 17, 183, 184, 240/2, 12, 13, 14, 229/14-1 (existing mine lease area of 14.5129 Ha) and Re-Sy Nos. 196/7, 10-5, 10, 10-2, 10-3, 245/1, 1-2, 1-3, 2, 3, 4, 5, 6, 16, 17 (proposed mine lease area of 1.0910 Ha) in Veiloor Village, Thiruvananthapuram Taluk, Thiruvananthapuram District for an area of 15.6039 Ha.

The Authority noted that the SEAC in its 126th meeting approved the Standard Terms of Reference with certain additional study. The Authority also noted that, the SEIAA Kerala in its 88th meeting held on 25.01.2019 has rejected the proposal of M/s EICL Limited for clay mining in Re-Sy Nos. 177, 178, 179, 180, 241, 242, 181/21, 181/10, 182/3, 4, 5, 6, 10, 11, 12, 17, 183, 184, 240/2, 12, 13, 14, 229/14-1 and the rejection proceedings was issued vide letter dated 20.04.2019 quoting reasons for rejection. In addition, there are pending Writ Petitions in Hon'ble High Courts, proceedings of Supreme Court and in NGT. All these court proceedings are related to irregularities committed by project proponent in violation of EIA notification 2006.

Authority decided to request the SEAC to examine all pending proceedings in different courts of law and rejection order issued by SEIAA carefully and clarify the circumstances under which TOR was recommended to a project, which was once rejected by SEIAA and cases are still pending in various courts of law, relating to irregularities committed by Project Proponent in violation of EIA notification 2006.

Item No.12 **Environmental Clearance for the Granite Building Stone Quarry project of Sri. Muhammed Saleem V. in Re-Sy Nos. 321/1-1 of Kulukkallur Village, Pattambi Taluk, Palakkad District, Kerala (Conversion ToR to EC) SIA/KL/MIN/169720/2020 1433/EC1/2019/SEIAA & SIA/KL/MIN/41954/2019, 1433/EC1/2019/SEIAA**

Decision taken in the EC Proposal, Part 1, Item No.6

Item No.13 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Shabeer Ali in Re-Sy No. 383/1, 385 in Panthallloor Village, Ernad Taluk, Malappuram District for an area of 1.8112 Ha SIA/KL/MIN/158794/2020,1835/EC6/2020/SEIAA (EC Proposal) SIA/KL/MIN/35208/2019,1346/EC2/2019/SEIAA(ToR Proposal)**

Decision taken in the EC Proposal, Part 1, Item No.4

Item No.14 **ToR Application for the Granite Building Stone Quarry Project of Sri. P. P. Shamsuddeen in Block No. 65, Sy No. 1, Udayagiri Village, Taliparamaba Taluk, Kannur District, Kerala (1905/EC4/2021/SEIAA)**

Sri. P. P. Shamsuddeen, Managing Partner & Authorized Signatory, M/s Ceekey Sons Crushers, Zuhara Manzil, Kuttikol P.O, Kannur - 670562 submitted an application for ToR in SEIAA through PARIVESH on 30.03.2021 for the proposed Granite Building Stone Quarry project in Block No.65, Sy No. 1 at Udayagiri Village, Taliparamba Taluk, Kannur District, Kerala, for an area of 4.5622 Ha.

The Authority noted that the proposal was placed in the 127th SEAC meeting held on 28th - 30th April 2022. The Committee examined the documents submitted for the approval of ToR and decided to approve Standard TOR with certain additional aspect for the study.

The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study.

- a) The land stability study of the proposed area is to be included in the EIA report.**

Item No.15 **Granite Building Stone Quarry of Smt. E. M. Pathumbi in Block No-04, Re-Sy Nos. 325/1, 327/5, in Pallassena Village, Chittur Taluk, Palakkad District, Kerala SIA/KL/MIN/159197/2020, 1324/EC2/2019/SEIAA; SIA/KL/MIN/34282/2019, 1324/EC2/2019/SEIAA (Conversion: ToR - EC)**

Decision taken in the EC Proposal, Part 2, Item No.20

Item No.16 **ToR Application for the Granite Building Stone Quarry Project of Sri. Sajeev Kumar E., M/s Thrikkur Granites in Sy No. 66 at Thrikkur Village, Mukundapuram Taluk, Thrissur District, Kerala for an area of 0.9447 Ha (SIA/KL/MIN/57329/2020, 1947/EC6/2022/SEIAA)**

Sri. Sajeev Kumar E., Managing Partner, M/s. Thrikkur Granites, Meluveetil House, Thrikkur P.O. submitted an application in SEIAA through PARIVESH on 23.03.2022 for the

approval of Terms of Reference for the Granite Building Stone Quarry Project in Sy No. 66 at Thrikkur Village, Mukundapuram Taluk, Thrissur, Kerala for an area of 0.9447 Ha.

The Authority noted that the proposal was placed in the 127th meeting of SEAC held on 28th to 30th April 2022 and decided to approve standard TOR with certain additional aspects for study.

Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study.

- a. Cumulative impact of the adjoining working quarry.**
- b. All abandoned quarry pits adjacent to the project area.**

PART – 5

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01 **Environmental Clearance for the Building Stone Quarry of Sri. Nitheesh Babu B.S in Block No. 29, Re-Sy Nos. 119/1, 119/2, 120/1, 120/2, 120/3, 120/11, 120/12 of Manickal Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala for an area of 1.3552 Ha - Judgment dated 12.11.2021 in WP(C) 25028/2021 SIA/KL/MIN/137456/2020, 1607/EC1/2020/SEIAA**

Sri. Nitheesh Babu B.S, Vilayil veedu, Kuthirakulam, Pirappancode P.O Nedumangad, Thiruvananthapuram - 695607 submitted an application in SEIAA via PARIVESH on 18.01.2020 for the proposed Building Stone Quarry Project in Block No. 29, Re-Sy Nos. 119/1, 119/2, 120/1, 120/2, 120/3, 120/11, 120/12 of Manickal Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala for an area of 1.3552Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Mining Plan and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommend to issue EC for the project life of 12 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the Project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 years for the quantity mentioned in the approved mining plan and extend the EC period to cover Project life of 12 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific Conditions.

1. *The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *Compensatory afforestation should be done with fruit trees and the geocoordinates of the place with photographs should be provided along with Half Yearly Compliance Report (HYCR).*
4. *The traffic plan submitted by the proponent should be adhered to strictly.*
5. *Location of OB dumpsite should be protected with proper concrete wall protection to avoid spilling over to the panchayat road.*
6. *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 HYCR.*
7. *The green belt development in the buffer should be done in the first year of the project itself by giving preference to local plants and it should be nurtured and maintained in subsequent years.*
8. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
9. *The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the HYCR.*
10. *Considering the nearness to built structure, blasting should be regulated with drill holes of 32 mm diameter and 1.5 m depth keeping burden of 1m and spacing of 1.5m.*
11. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal,*

covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with local self Govt. Institution. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the half yearly compliance report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- 12. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 13. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Honourable Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the HYCR which will be monitored by SEAC at regular intervals.*
- 14. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Sd/-
Dr. H. Nagesh Prabhu IFS (Retd)
Chairman, SEIAA

Sd/-
Dr. V. Venu IAS
Member Secretary, SEIAA

Sd/-
Sri.K.Krishna Panicker
Member, SEIAA

Annexure

Note on O. M. dated 12.4.2022 issued by MoEE& CC relating to issues linked to Project life, life of Mine and validity period of EC.

Mine Life:

Mining Plan is prepared for a particular project area considering mineral availability and economic feasibility of extracting/mining the material complying to mine safety rules. After estimating total mineral that can be extracted (mineable reserve) mine life is calculated depending on proposed production per year. If the project proponent is capable of investing more funds and if the mine area provides adequate operational space, larger quantity of mineral can be extracted per year. Further, mining plan is approved for five-year period by the Mining & Geology department. After five year period Mining & Geology department approves scheme of mining for every five year period. Depending on the production plan, mine life may differ in each scheme of mining.

Project Life:

As per SO 1533 (E) dated 14-09-2006 of MoEF&CC “The prior environmental clearance granted for a project or activity shall be valid for project life as estimated by Expert Appraisal Committee or State level Expert Appraisal Committee subject to a maximum of thirty years for mining projects”.

This stands amended as per SO (E) dated 12-04-2022 of MoEF&CC as “The prior Environmental Clearance granted for mining projects shall be valid for the project life as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier”

Mine life in the approved mining plan is computed merely considering total mineable reserve and production plan and it set the production goals. However, productivity is restricted by location, operational efficiency, cost, safety and environmental aspects. Mining

needs to be regulated considering the short-term and long-term impacts of a mine on various environmental aspects such as terrain slope, land stability, water regime of the area, drainage requirements, groundwater table, flora and fauna, biodiversity, socio-economic aspects, accidents and disaster potentials etc. There are requirements of complying with environmental regulations and environmental responsibilities for minimizing environmental implications due to a mining activity. These aspects vary from place to place. Therefore, mining has to be assessed from an environmental point of view. Accordingly, the environmental safeguards will have to be incorporated into the mining plan which may restrict the process and period of mining. Thus, irrespective of the life of mine, the operation of a mining project may be restricted considering physical, ecological and social environmental aspects and this period is estimated as Project Life. A Project Life may be equal to or less than a Life of Mine.

Significance of Environmental Clearance:

The occurrence of different types of minerals varies in size and nature. The state of environment of the domains of mineral occurrences are also different. The areal and depth extent of some of the mines like coal mines are very high. Most of such mines are located in uninhabited areas and therefore, maximum mine life is estimated as 30 years considering such extensive mine areas in India, as a general case. In Kerala, the mining is mainly for extraction of building materials such as hard rocks or laterite though there are mining for beach sands and clays etc. at specified locations. The areal extent of most of the mines in Kerala for extraction of laterite and hard rocks is less than 1 Ha with population, vegetation and built structures all around. Kerala has a highly undulating terrain with distinct altitudinal variations, vivacious hydrology, vibrant climate, distinct soil domain and multitudes of lively micro-ecosystems. The state of environment of Kerala is fragile with high population density, thereby the environmental carrying capacity of the state is low. Therefore, environmental safeguards and their strict compliances are unavoidable for any development activities in Kerala from the sustainability point of view, particularly mining sort of basically destructive processes. Hence, clearance from the environmental point of view and strict monitoring of environmental compliance is extremely important in the context of Kerala. So shorter environmental clearance period and periodic review for further extension/revalidation is absolutely necessary to safeguard /protect the environment and livelihood of Kerala.

Significance of Project Life of Mining:

The foregoing discussion indicates the importance of incorporating specific environmental restricts, regulations and responsibilities to a mining project in Kerala and it necessitates fixing of a particular period of operation considering the mineable reserve, production plan and environmental restricts specific to the site. Thus giving clearance for a specific Project Life other than the Life of Mine is important in the mining projects. This could be done only after examining the project from an environmental impact point of view by a team of experts consisting of earth scientists, biologists, environmental scientists and engineers, socio economic experts, legal and administrative specialists etc. This is done through the Environmental Appraisal Committees formed through the EIA Notification at the National and State level who appraises each project considering regional and local environmental characteristics and impact of various types of activities involved in mining on various environmental aspects which restrict the life of mine. Hence the significance of Project Life, that is the Mining Period considering all the environmental sustainability aspects. While approving mining plan by the Mining & Geology department environmental aspects and impact on groundwater regime are not considered. Even though mineable reserve is available, certain restrictions are to be imposed on quantity of mineral to be mined to protect local groundwater system and to avoid /reduce landslide vulnerability. This process will alter the mine life/project life approved by the Mining & Geology Department. So merely following the mine life/project life approved by the Mining & Geology department will seriously affect appraisal process of SEAC adversely.

Why EC is issued for five year period:

As per the EIA Notification, EC can be issued for a maximum period of 30 Years subjected to environmental restrictions. Hence a project life is estimated considering various environmental implications and accordingly period of EC varies depending on the Project Life estimated. However, in Kerala, it was made a practice to issue EC for 5 Years for quarrying/mining projects as is done in the case Mine Plan which is approved for 5 years. This is to ensure that the projects are evaluated in detail periodically at an interval of 5 years, considering the severity of environmental fragility of Kerala as well as the fact that the quarrying projects are located mostly in vulnerable landforms.

Unlike in north India mineable mineral reserves are available only in small pockets in Kerala. Further Kerala is a densely populated state and there are habitations everywhere including proposed project areas. There will be minor natural drainage systems along the undulating terrain and any mineral extraction will likely to affect natural drainage and groundwater regime of the area. Usage of explosives may affect local environment and people. Reasonable restriction on validity period of environmental clearance is essential for ensuring compliance of EC conditions.

Even if prior EC is issued for entire project period, there must be an effective control mechanism to monitor the compliance of EC conditions periodically and SEIAA must be allowed to cancel/suspend EC depending on nature of non compliance of EC conditions.

In more than 90 % of revalidation cases SEAC had observed serious negligence on the part of project proponents in complying EC conditions. Revalidation/ Extension beyond five years only after SEAC appraisal and necessary corrections will ensure compliance of EC conditions and protection of local environment.