

**MINUTES OF THE 117th MEETING OF THE STATE LEVEL
ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)
KERALA, HELD ON 30th & 31st AUGUST 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 117th meeting of the SEIAA, KERALA was held on 30th & 31st August 2022. The meeting started at 10.00 AM on 30th August 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 117th meeting and took the following decisions:

Physical Files

Item No.117.01 **Minutes of the 116th meeting of SEIAA held on 29th & 30th July 2022**

Noted

Item No.117.02 **Action Taken Report on 115th meeting of SEIAA**

Action taken by SEIAA team is appreciated.

Item No.117.03 **Environmental Clearance issued from DEIAA, Thiruvananthapuram to M/s Travancore Ready Mix Pvt Ltd in Vellarada Village, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala – Judgment dated 02.11.2020 in WP (C) No. 10803/2020 – Revalidation of EC
(File No. 700/EC1/2021/SEIAA)**

The Authority perused the item and noted the decisions of various SEAC meetings, the field inspection report of the Sub-Committee and the CCR received from RO, MoEF & CC, Bangalore. The SEAC in its 130th meeting has recommended the revalidation of EC with project life of 11 years from the date of original EC i.e. 29.03.2017 subject to certain Additional Specific Conditions.

The Authority decided to revalidate the EC initially for a period of 5 years and then to extend the EC period to cover the project life of 11 years, from the date of issuance of original EC (29.03.2017), subject to the review by SEAC at the end of five year, 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 revalidation of EC is subject to the Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

- 1) The traffic management plan should be implemented in strict compliance.
- 2) Overburden should be stacked properly and retaining wall for protection of overburden dump should be provided and geo-tagged photographs should be submitted.
- 3) Blasting should not be done when the crusher unit is in operation. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.
- 4) Garland canal, considering the entire project area, should be made with intermittent silt traps, siltation pond of adequate capacity and outflow channel with immediate effect and a geotagged photographs should be submitted.

- 5) Green belt should be developed using indigenous species of trees that are listed and maintained periodically and geo-tagged photographs of the same should be attached with HYCR.
- 6) Compensatory afforestation should be commenced with immediate effect to mitigate the impact on floral biodiversity of the area.
- 7) Geo-coordinates of well with hydro-geologic details. Also a map showing contours with well location to be submitted.
- 8) The benches which are inappropriate at places should be corrected with immediate effect and geo-tagged photographs of the same should be submitted.
- 9) Garland canal, silt traps, siltation pond and outflow channel should be desilted and cleaned periodically and geotagged photographs of the same should be attached with HYCR.

Item No.117.04 **Environmental Clearance issued to the Quarry Project, M/s Tripthy Granites Pvt Ltd in Sy. No. 274, 275/1A3, Thirumittacode Village II, Thirumittacode Panchayath, Pattambi Taluk, Palakkad District, Kerala -Judgment dated 17.11.2020 in WP(C) No. 25111/2020 – Revalidation of EC.**
(File No. 826/ SEIAA/EC1/2609/ 2015)

The Authority verified the item and noted the decisions of various SEAC meetings, the field inspection reports of the Sub-Committee of SEAC and the decision of 130th SEAC meeting. After deliberations, the Authority decided to consider the EC revalidation proposal recommended by SEAC subject to:

1. The proponent shall attend all the observations made by SEAC within 6 months and submit a compliance report to SEAC.
2. On receipt of the compliance report, the SEAC shall conduct a field inspection to confirm the compliance of observations made and give definite recommendation.

The decision of SEIAA shall be conveyed to SEAC and Project Proponent for necessary follow up action.

Item No.117.05

**Environmental Clearance issued to the Quarry Project to Sri. Jacob Thomas, M/s Plakkattu Granites Industries Pvt Ltd in Sy. Nos. 571/1A/34-5, 571/1A/34-4, 571/1A/34-4-1, 571/1A/12, 571/1A/12-56, 571/1A/13-137, 571/1A/12/54/127, 571/1A/12/54-1, 571/1A/12/54-2 at Konnithazham Village, Konni Taluk, Pathanamthitta District - Judgment dated 02.09.2020 in WP(C) No. 11053/2020 - Revalidation of EC
(File No. 870/SEIAA/ EC4/3101/2015)**

The Authority perused the item and noted the decisions of various SEAC meetings, the field inspection reports of the Sub-Committee of SEAC and the CCR received from RO, MoEF & CC, Bangalore. The SEAC in its 130th meeting has recommended the revalidation of EC with project life of 14 years from the date of original EC i.e. 30.09.2016 subject to certain Additional Specific Conditions.

The Authority decided to revalidate the EC initially for a period of 5 years and then to extend the EC period to cover project life of 14 years (30.09.2016), subject to the review by SEAC at the end of five year, 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 revalidation of EC is subject to the Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

1. Depth of mining should not go beyond general ground level (70MSL) at the site.
2. Garland drain, silt traps, siltation tanks and outflow channel should be desilted and cleaned periodically and geo-tagged photographs of the same should be included in the HYCR.
3. Photographs showing plantation growth should be submitted along with the compliance reports.
4. The proponent should ensure that no remnants of quarry waste are reaching the seasonal stream originating from the project site and joining other streams during monsoon. Geotagged photographs taken during monsoon times from the point where the stream joins the seasonal stream near the PWD road should be given along with the compliance reports

5. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.

Item No.117.06 **Environmental Clearance for the Proposed Quarry Project of Sri. Tomy Joseph, M/s Immanuel Crushers & Mines Pvt Ltd in Sy. No. 279/5, Kuthanur-1 Village, Alathur Taluk, Palakkad District, Kerala - Judgment dated 2.11.2020 in WPC 10862/2020 – Revalidation of EC (File No. 934/SEIAA/EC1/3911/ 2015)**

The Authority perused the item and noted the decisions of various SEAC meetings, the field inspection report of the Sub-Committee of SEAC and the CCR received from RO, MoEF & CC, Bangalore. The SEAC in its 130th meeting has recommended the revalidation of EC with project life of 7 years from the date of original EC i.e. 31.03.2017 subject to certain Additional Specific Conditions.

The Authority decided to revalidate the Environmental Clearance for the project life of 7 years from the date of original EC (31.03.2017). The revalidation of EC is subject to the Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

1. Though benches are provided, they are not appropriate at places which should be corrected with immediate effect and geo-tagged photographs should be submitted.
2. Wherever mining is done without maintaining 45° slope, such areas should be closed for mining and rehabilitated with immediate effect considering the closure plan and geo-tagged photographs of the same should be submitted.
3. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.
4. The planting and nurturing of avenue trees using suitable indigenous species should be strengthened and geo-tagged photographs of the same should be submitted.

5. Garland drain, silt traps, siltation tanks and outflow channel should be provided covering the entire project area and geo-tagged photographs of the same should be submitted.
6. There is haphazard dumping of overburden in the quarry site and it should be corrected and geo-tagged photographs of the same should be submitted.
7. Overburden dump should be properly protected with retaining wall/ gabion structure and geo-tagged photographs of the same should be submitted.
8. Segregate 7.5 m buffer zone from the quarry pit and develop a green belt all over the buffer zone. If hard rock is exposed in the buffer zone compensatory afforestation should be developed and geo-tagged photographs of the afforested area should be submitted.

Item No.117.07 **Environmental Clearance for the Proposed Building Stone Quarry of Sri. Paul K. T., Managing Director, M/s K. T. Crusher's & Aggregates Pvt Ltd in Re-Sy Nos. 498/2, 498/3, 499/3, 499/4 in Chalavara Village, Ottapalam Taluk, Palakkad District, Kerala (File No. 1260/EC2/2019/SEIAA)**

The Authority perused the item and noted the decisions of various SEAC meetings and the field inspection report of the Sub-Committee of SEAC. After reappraisal of the project SEAC has recommended to reject it citing many reasons. The Authority discussed the item and decided to give an opportunity to the Proponent for hearing in the next SEIAA meeting before taking a final decision. Intimation regarding the same shall be given to the Proponent well in advance attaching the observations of SEAC.

Item No.117.08 **Rejection Proceedings issued to the proposed Granite Building Stone Quarry Project of Sri. Jayan Babu, Managing Director, M/s JBP Granites & Metals Private Limited in Re - Sy. No. 84/27, 84/29, 84/29-1, 84/29-2, 90/6, 90/6-1, 90/7, 90/7-1, 90/10, 96/2, 96/15, 96/16, 96/17 in Nellanad Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala - Judgement in WP(c) No. 6187 of 2020 dated 9.03.2020 filed by M/s JBP Granites & Metals Private Limited - Request to reconsider application for EC (File No. 1288/EC2/ 2019/SEIAA)**

The Authority perused the file and noted various decisions of SEAC and the details field inspection carried out on 09.08.2019 and 31.12.2020. The Authority noted that the Proponent was heard on 11.07.2019 and 29.06.2021 and he was given sufficient opportunities to express his views. The Authority also noticed the Judgement in WP (C) No. 32936/2019 (N) and the legal opinion on the same and the follow up action by SEAC.

After due consideration of matter in all respects, the Authority in its 110th meeting rejected the proposal and the rejection order was issued on 19.07.2021. The Authority perused the representation of the Sri. Jayan Babu, Managing Director, M/s JBP Granites and Metals Pvt Ltd dated 20.07.2022 and decided to adhere to its earlier decision to reject the proposal and inform the same to project proponent quoting the entire range of events that have taken place leading to rejection of the proposal.

Item No.117.09 **Environmental Clearance issued to Sri. Najeeb Hassan N. for the Granite Building Stone Quarry in Block No. 25, Re-Sy Nos. 27/3 in Koppam Village, Pattambi Taluk, Palakkad District, Kerala – Request for Amendment of EC Conditions (SIA/KL/MIN/43404/2019; 1459/EC1/2019/SEIAA)**

The Authority perused the item with the submission of Sri. Najeeb Hassan with all supporting documents and the conditions stipulated in the EC issued on 04.03.2021. After deliberations, the Authority observed that the Elankoor – Vandoor Road mentioned in the Specific Condition No (v) of EC is not in Palakkad district. As per the Certificate of the Village Officer 13.04.2021 there are no houses, road, crematorium, canal, pilgrim centers, etc within 200m radius of the mining area. In this circumstance, the Authority decided the following:

1. The Specific Condition No (v) of EC ‘Heavy vehicles used along the Elankoor – Vandoor Road has to be avoided’ shall be deleted.
2. The Specific Condition No (iv) of EC ‘Material movement should not affect people residing in the area and must be avoided during 7.00 AM to 9.30 AM and 3.30 PM to

5.00 PM' shall be amended as "Material movement should be avoided during 8.30 AM to 10.00 AM and 3.30 PM to 5.00 PM as per existing norms.

An Erratum in this regard shall be issued.

Item No.117.10 **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)**

Authority examined the report of the M/s Blue Planet Environmental Solutions regarding the activities proposed in the Phase I and Phase II of Waste to Energy Plant at Kanjikode, Palakkad. The Phase I comprises the infrastructure development for the collection and transportation of wastes, segregation and pre-processing, anaerobic digestion and upgradation of biogas and conversion of CBG (Compressed Biogas), organic manure processing unit and disposal of RDF and recyclables. The Phase II comprises sanitary landfill of inert objects.

The Phase I project obtained Consent to Establish from KSPCB with a condition that Consent to Operate will be issued once the EC and Consent to Establish for the Phase II is obtained. The Authority observed that as per MoEF&CC letter dated 03.07.2017 'the municipal solid waste management involves various steps like door to door collection, segregation, composting, RDF making, waste to energy generation through waste to energy plants and disposal in scientific landfills. The above activities except scientific landfill site, if proposed as standalone activities are not covered under item 7(i) of EIA Notification 2006, hence do not require prior EC'. In this circumstance, the Authority decided the following:

1. M/s Blue Planet Environmental Solutions should obtain the Environmental Clearance for Phase II before the initiation of the operation of Phase I and the commencement of Phase II activity as indicated by KSPCB.
2. The company should take adequate integrated Environmental safe guard measures to safeguard the environment in the project region in all respect, as per Environmental Bye laws laid down for the establishment and operation of such projects.

3. The Project Director, WtE PMU, KSIDC and KSPCB should monitor the Phase I activity and ensure the above decision.

Item No.117.11 **Environmental Clearance issued from DEIAA, Thiruvananthapuram for the Granite Building Stone Quarry Project of Smt. Shaila Nasar, Director, M/s Al-Nassar Granites Pvt. Ltd in Uzhumalakkal Village, Nedumangad Taluk, Thiruvananthapuram District - Judgment dated 30.11.2020 in WP (C) No. 26372/2020 - Revalidation of EC. (File No. 2793/EC1/2020/SEIAA)**

The Authority examined the proposal and noticed that the quarry has started functioning without obtaining the mandatory clearance from the NBWL and is a clear violation of guidelines of MoEF&CC in this regard. Hence, the Authority decided to

- 1) Issue a stop memo to the proponent with immediate effect for operating the quarry without obtaining clearance from NBWL .
- 2) Issue a show cause notice for cancellation of EC as to why the EC given to him should not be cancelled.
- 3) Inform PCCF & Chief Wildlife warden to take appropriate action under Wildlife Protection Act, 1972. for operating the quarry without getting clearance from the NBWL
- 4) Direct the Department of Mining &Geology to take action for violation under KMMC Rules.
- 5) The proponent may allow 30 days time for reply from the date of show cause notice.

Item No.117.12 **Clarification regarding the removal of Ordinary Earth for construction of Residential cum Commercial Building in Ayiranallur Village, Punalur Taluk Kollam District. (1527/EC2/2022/SEIAA)**

The Authority perused the item and observed that as per S O 1224 (E) dated 28.3.2020 of MoEF&CC and Appendix IX of EIA notification 2006 related to exemption of cases from

requirement of Environmental Clearance, **“Digging of foundation for buildings not requiring prior EC is exempted from EC”**.

Authority noted that, as per the letter from the Secretary, Erroor Grama Panchayat, it is observed that the ordinary earth is to be removed from a larger area compared to the total floor area/built up area. Further, Authority is of the opinion that if the excavated earth has to be transported from the project site for sale, it will be considered as mining of minor mineral and the activity will not come under the purview of Appendix IX relaxation and it warrants prior Environmental Clearance for the removal of earth from the project site.

Authority decided to inform the above position to Secretary, Erroor Grama Panchayat.

Item No.117.13 **Environment Clearance for the Granite Building Stone Quarry Project of Sri. Robin P.R. for an area of 1.9480 ha (4.813 Acres) in Survey No. 144/4 & 144/5, Kalpetta Village, Vythiri Taluk, Wayanad District, Kerala**
(SIA/KL/MIN/43182/2019; 1479/EC2/2019/SEIAA)

The Authority perused the item and noted the decisions of various SEAC meetings and the field inspection report of the Sub-Committee. The proposal was rejected as per the recommendation of SEAC. The proponent vide his letter dated 11.7.22 has requested for reconsideration of the issue. The Authority discussed the item and decided to give an opportunity to the Proponent for hearing in the next SEIAA meeting. Intimation regarding the same may be given to the Proponent well in advance.

Item No: 117.14 **Environmental Clearance for the Quarry Projects of Shri. Paul Varghese, M/s. Cement Bricks & Allied Industries / M/s. Kizhakkambalam Granites in Sy. Nos. 324/4(P), 324/5(P) & 325/15(P), Pattimattom Village, Kunnathunadu Taluk, Ernakulam of M/s. Cement Bricks & Allied Industries and 317/2, 317/4 & 324/5(P) Pattimattom Village, Kunnathunadu Taluk, Ernakulam of M/s. Kizhakkambalam Granites Kerala - Judgment in WP (C) 18778/2020 filed by M/s. Cement Bricks & Allied Industries - Revalidation of EC**

(File No. 724/SEIAA/KL/6074/2014)

The Authority perused the file with the request of Proponent, various decisions of SEAC and the decisions of 112th and 113th SEIAA. The Authority observed that the field inspection carried out on 05.07.2021 and 15.06.2022 and the Proponent has not properly complied with the EC conditions even after providing sufficient time to comply with. The Authority noted that instead of comply with the directions, the Proponent requested to drop the application for revalidation of EC. In this circumstance, the Proponent has violated the EC conditions and hence the Authority decided the following:

- 1) Issue a stop memo to the Project Proponent for violating the existing norms.
- 2) Issue a show cause notice for cancellation of EC as to why the EC given to him should not be cancelled.
- 3) Direct Department of Mining & Geology to take action for violation under KMMC Rules.
- 4) The proponent may be given 30 days time for reply from the date of issue of show cause notice.

Item No.117.15 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Stephen Joseph, for an area of 1.0844 Ha in Sy. No. 1083 / 12, 1084 / 6.2.13, 1077/1A, 1084/6.2 and 1084 / I at Memury Village, Memury Panchayath, Muvattupuzha Taluk, Ernakulam District, Kerala.**
(792/SEIAA/EC3/1711/2015)

The Authority examined the matter and noticed that the EC has expired on 10.03.2022 (after Covid relaxation). The letter of RDO, Ernakulam dated 03.01.2020 received along with letter from Government dated 18.07.2022 intimating that the Proponent has violated many of the conditions in licences / clearances. In this circumstance, the Authority decided the following:

1. The letter of the RDO, Ernakulam shall be forwarded to KSPCB and District Geologist, Ernakulam for taking appropriate action against the violation, if any and inform the same to RDO.

2. Intimate the GOK Kerala and RDO, Ernakulam regarding the action taken on the matter.

Item No.117.16 **Environmental Clearance for the Granite Building Stone Quarry of Sri. K. M. Stephen over an extent of 4.9003 Ha in Block No. 27 (Re-Sy. Block No. 37) Re-Sy. Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1, Karimannur Village, Thodupuzha Taluk, Idukki, Kerala.**
(SIA/KL/MIN/126172/2019; 1527/EC1/2019/SEIAA)

The Authority perused the file and noted the request of Project Proponent, various decisions of SEAC and the decisions of 114th and 115th SEIAA. The Authority observed that the proposal was recommended to be rejected in the 127th meeting of SEAC due to the reason that there are two built structures within project area and there are houses near around 50m. The Authority accepted the decision of SEAC.

Now the village officer as per the Certificate dated 30.07.2022 intimated that the buildings in the project area are demolished and there are no houses within 50m distance of the buffer zone area. Under the circumstances, the Authority decided to refer back the proposal to SEAC to re-examine its recommendation and give a fresh recommendation.

ItemNo.117.17 **Clarification request by Registrar, Kannur University for getting Environmental Clearance:-reg**
(File No.1553/EC4/2022/SEIAA)

The Authority perused the item and observed that in the 116th meeting held on 29th & 30th July 2022, decided to inform the Registrar, Kannur University that as per S.O 3252 (E) dated 22-12-2014 of MoEF&CC educational institutions are exempted from obtaining prior Environmental Clearance. The order doesn't have retrospective effect. Now the Authority noticed that vide judgment dated 17.09.2020 & 23.11.2020 in WP(C) No. 3097/2016, the H'ble High Court stayed the Notification No. 3252 (E) dated 22.02.2014 and the status-quo is still

prevails. In this circumstance, the Authority decided to revise its earlier decision and inform the Registrar, Kannur University that prior EC is mandatory for the university buildings.

Item No.117.18 **Environmental Clearance for the Quarry Project of Sri. Jilson Joseph in Re-Sy No. 28 at Nediya Village, Taliparamba Taluk, Kannur District- Judgment in WP (C) 3337/2021 – Revalidation of EC. (Old EC. No.1121/EC/SEIAA/KL/2017) (File No.617/EC4/2021/SEIAA)**

The Authority perused the item and noted the decisions of various SEAC meetings, the field inspection report of the Sub-Committee of SEAC and the CCR received from RO, MoEF & CC, Bangalore. The SEAC in its 130th meeting has recommended the revalidation of EC with project life of 12 years from the date of original EC i.e. 19.07.2017 subject to certain Additional Specific Conditions.

The Authority decided to revalidate the EC initially for a period of 5 years and then to extend the EC period to cover project life of 12 years, from the date of issuance of original EC (19.07.2017), subject to the review by SEAC at the end of five year, 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 revalidation of EC is subject to the Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

1. The benches provided are inappropriate at places which need immediate correction and geo-tagged photographs of the same should be submitted.
2. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.
3. Green belt should be developed using indigenous species of trees and maintained periodically and geo-tagged photographs of the same should be attached with HYCR.
4. Garland canal considering the entire project area should be made with intermittent silt traps, siltation pond of adequate capacity and outflow channel and a geo-tagged photographs should be submitted.

5. Overburden should be stacked properly and retaining wall for protection of overburden dump should be provided and geo-tagged photographs should be submitted.
6. Garland canal, silt traps, siltation pond and outflow channel should be desilted and cleaned periodically and geo-tagged photographs of the same should be attached with HYCR.

Item No.117.19 **Environmental Clearance for the quarry project of Sri. Siril Jose in Sy. No. 3pt & 1/1 of Nediya Village, Taliparamba Taluk, Kannur District – Judgment in WP (C) 3317/2021 – Revalidation of EC. (File No.615/EC4/2021/SEIAA)**

The Authority perused the item and noted the decisions of various SEAC meetings, the field inspection report of the Sub-Committee of SEAC and the CCR received from RO, MoEF & CC, Bangalore. The SEAC in its 130th meeting has recommended the revalidation of EC with a project life of 12 years from the date of original EC i.e. 27.04.2017, subject to certain Additional Specific Conditions.

The Authority decided to revalidate the EC initially for a period of 5 years and to extend the EC period to cover project life of 12 years, from the date of issuance of original EC (27.04.2017), subject to the review by SEAC at the end of five year, 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 revalidation of EC is subject to the Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

1. The benches provided are inappropriate at places which need immediate correction and geo-tagged photographs of the same should be submitted..
2. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust
3. Green belt should be developed using indigenous species of trees and maintained periodically and geo-tagged photographs of the same should be attached with HYCR.

4. Garland canal considering the entire project area should be made with intermittent silt traps, siltation pond of adequate capacity and outflow channel and a geo-tagged photographs should be submitted.
5. Overburden should be stacked properly and retaining wall for protection of overburden dump should be provided and geo-tagged photographs should be submitted.
6. Garland canal, silt traps, siltation pond and outflow channel should be desilted and cleaned periodically and geotagged photographs of the same should be attached with HYCR.

Item No.117.20 **Environment Clearance for the Granite Building Stone Quarry Project of Sri. Abdul Rahim, M/s Mukkam Metals in Re-Sy Nos. 147/1, 147/2A1, 2A2, 2B1, 2B2 at Thazhakode Village Kozhikode Taluk, Kozhikode District - Judgment in WP (C) No. 19589/2020) – Revalidation of EC.**
(File No.2450/EC4/SEIAA/2020)

The Authority perused the file and observed various decisions of SEAC and the field inspection carried out on 19.07.2021 and 07.04.2022. The Authority noticed that in the 112th SEIAA meeting, the proponent was directed to comply with the certain conditions and submit the compliance report for further verification of SEAC. After getting the same, the Sub-Committee conducted field visit and observed that the proponent has not complied with many of the conditions. Hence, show cause notice was issued on 12.07.2022 for the non-compliance of EC conditions to submit the explanation of the proponent within 15 days. Now the proponent states that he has complied with almost all directions and he has requested 6 more months time for adopting certain corrective measures like slope stabilization and bench formation etc. In this circumstance, the Authority decided the following:

1. Grant six months time to comply with the directions of 112th SEIAA meeting and submit the compliance report subject to the condition that no further time extension will be granted in this regard.

2. After getting the compliance report, the SEAC shall conduct a field inspection to verify the compliance status. The SEAC shall provide a fresh recommendation as per the compliance status.

Item No.117.21 **Environmental Clearance for the Building Stone Quarry Project in Re-Sy Nos. 86/2,87, 88/2, 88/3, 88/1, 89/2B, 147/2, 139/1, Kolavallur Village, Kuthuparamba Grama Panchayat, Thalassery Taluk, Kannur District - Judgment in WP (C) No.28530/2020 filed by Sri. C. G. George – Revalidation of EC.
(File No.623/SEIAA/EC4/4806/2014)**

The Authority perused the file and noted the various decisions of SEAC and the field inspection carried out on 12.05.2022. The Authority noted that the SEAC in its 130th meeting recommended EC for a project life of 13 years from the date of original EC. The Authority observed that the original EC issued on 01.06.2016 was for an area of 4 Ha comprised in Re-Sy Nos. 86/2, 87, 88/2, 88/3, 88/1, 89/2B, 147/2, 139/1. But, now the revised mining plan is for the total area of 3.4081 Ha comprised in Re-Sy Nos. 88/1, 89/2B, 147/2, 139/1. Since, there is a change in the project area and mineable reserve from the original EC; the Authority decided that the revalidation of the EC issued on 01.06.2016 cannot not be considered as directed in the Judgement dated 22.12.2020 in WP(C) No. 28530/2020 and the Proponent has to apply for a fresh / modification of EC.

Authority decided to give an opportunity of hearing in the next SEIAA meeting to clarify the position.

Item No. 117.22 **Application for Environmental Clearance for the quarry project for an area of 1.8227 Ha in Sy. No. 85pt, Pulamanthole Village, Perinthalmanna Taluk, Malappuram District - Judgment of Hon'ble High Court of Kerala in WP(C) No.41905/2017.
(File No: 2017/A2/2018/SEIAA)**

The Authority perused the representation of the Proponent dated 03.08.2022 and noted the various decisions of SEAC and SEIAA, the judgment in WP(C) No. 41905/2017(K), the

report of the District Collector, Malappuram dated 14.09.2020 and the field inspection report of the Sub-Committee held on 19.04.2019. The SEIAA in its 112th meeting decided that the project proposal for EC shall not be considered in the light of the order of the NGT dated 21.07.2020 in O.A. No. 304/2019 and the report of the District Collector that there are residential buildings including residence of petitioner and public building within 200m radius of the proposed site. The rejection order was issued on 3.11.2021. Now, the Authority considered the request of the Proponent with relation to Survey Map of the Village Officer and the legal opinion of the Standing Counsel regarding distance criteria and decided to refer the case back to SEAC for appraisal.

Item No.117.23 Environmental Clearance for the Granite Building Stone Quarry project of Sri. A. M. Muhammed Ali, M/s. Mubaraq Granites in Sy. Nos. 93/1pt, 94pt, 95pt, 96pt of Perakamannna Village, Ernad Taluk, Malappuram – Request for Revalidation (File No.902/SEIAA/EC1/3463/2015)

The Authority perused the representation of the Project Proponent dated 06.08.2022 requesting for extension of EC as per SO 1807 dated 12.04.2022 of MoEF&CC and the Judgement in WP(C) No. 24450/2020 dated 03.08.2022. The Authority noted that in the 115th SEIAA meeting, the Amendment No S.O. 1807 (E) dated 12.04.2022 was deliberated in detail and decided that the Standing Counsel should take immediate steps to file detailed counters in all relevant cases on priority within a week as per details discussed and agreed in the meeting and as per the note approved in the 114th SEIAA meeting. Authority decided to intimate the Standing Counsel to file an appeal against the judgment dated 03.08.2022 of the Hon'ble High Court. **Necessary urgent steps shall be taken from the SEIAA Secretariat on priority within 10days.**

Further, Authority noted that the District Collector, Chairman of District Disaster Management Authority has issued a stop memo as the quarry is functioning in the high hazard zone and unless and until the stop is revoked authority cannot proceed further with the request of the Project Proponent for extension of EC and decided to inform the same to Project proponent.

Item No. 117.24**Clarification on removal of soil from land – reg.
(File No. 1617/A1/2022/SEIAA)**

The Authority verified the item and observed that as per Appendix IX of EIA notification 2006 relating to exemption of cases from requirement of Environmental Clearance, digging of foundation for buildings not requiring prior EC is exempted from EC. Here, as per the documents submitted, ordinary earth is to be removed from the proposed site and the excavation is from a larger area than the proposed plinth area. The approximate depth of digging of soil is 1.5m to 15.5m and a retaining wall has to be constructed in three sides of the proposed site. Such deep excavation is likely to affect local groundwater regime and local open wells.

After deliberation, the Authority is of the opinion that if the excess excavated earth has to be transported from the project site for sale it will be considered as mining of minor mineral for which EC is required. Under these circumstances, the activity will not come under the purview of Appendix IX relaxation and it warrants prior Environmental Clearance for the removal of earth from the project site.

Item No.117.25**Environmental Clearance accorded for the Commercial Complex project of M/s Nippon Toyota in Sy Nos: 424/19, 424/7, 424/11, 424/10, 424/12, 13, 424/12, 424/14, 423/1, 423/4, 5, 423/4, 423/4, 5, 423/3, 8, 9, at Thrikkakara Village, Kalamassery Municipality Panchayath, Kanayannoor Taluk, Ernakulam District, Kerala – Request for Final Inspection and for releasing of Bank Guarantee
(File: No. 2037/EC3/2022/SEIAA)**

The Authority verified the item and noted the request of the Project Proponent to release the bank guarantee for an amount of Rs. 7507000/-. The Authority observed that the proposed period to implement the remediation plan is already over and hence SEAC has to verify the compliance status of the implementation of the Remediation Plan and Natural and Community Resource Augmentation Plan and submit a specific recommendation. Followed by that bank guarantee can be released with the recommendation of SEIAA and IRO, MoEF&CC, Bangalore.

Under the circumstances, the Authority decided to refer the case to SEAC for further action as stated above .

Item No.117.26 **Complaint against Environmental Clearance issued to Granite Building Stone Quarry project of Sri. B. Sundaran in Sy No. 302/1/274, 302/275/457, 302/148/1, 301/148/2, 302/148/3, 302/148/4, 302/148/5 in Vilakudy Village, Pathanapuram Taluk, Kollam, Kerala- Resolution & letter received from Vilakkudy GP (File No. 1340/EC1/2019/SEIAA**

The Authority perused the item and noted the various decisions of SEAC and SEIAA. The Authority noted that the Sub-Committee of SEAC has conducted the field inspection on 12.12.2019 and the SEAC has recommended the issuance of EC. The Authority in its 103rd meeting decided to issue EC for a period of 3 years. The Authority noted that a stop memo has been issued by Vilakkudy Grama Panchayat and vide letter dated 30.07.2022, the Vilakkudy Grama Panchayat has requested to re examine the EC issued in the light of the resolution of Grama Panchayat on the functioning of the said granite quarry. Authority decided to give an opportunity to the Project Proponent and the Panchayat for a hearing in the next SEIAA meeting.

Intimation regarding the same may be given to the Project Proponent and the Panchayat Authorities well in advance with relevant documents.

Item No.117.27 **Preparation of Detailed Engineering Report/ Detailed Project Report for rehabilitation of the Existing Sewerage System and Providing Sewerage/Septage Management System for Uncovered Areas of Thiruvananthapuram Corporation, and 4 Municipalities Neyattinkara - Clarification Sought For - reg. (File No. 2079/A1/2022/SEIAA).**

The Authority perused the letter of the Superintending Engineer, KWA, requesting the Authority to clarify whether EC is required for Sewage Treatment Plant or not.

Authority noted that vide Judgment in Application No. 124 of 2013 dated 12th September 2013, the H'ble NGT is observed that:

*“ The authorities should be able to take scientific view at the initial stages of installation of an STP. The expert bodies like SEIAA and EAC would, at the stage of scoping and appraisal contemplated in terms of the Notification of 2006, be able to take an objective and rational view in regard to establishment and operation of the STP simplicitor or requirement of any additional anti-pollution measures to be taken by the project proponent in the interest of environment and public health. It is the stage whether they should proceed with the project or the project needs other supplementary treatment plants to ensure adherence to prescribed standards. They can have a comparative study of the harmful effects of the project, considering it on the touchstone of sustainable development and human environment and welfare. Sewage itself is a very serious pollutant. It can result in tremendous health hazards and cause injury to the environment including intolerable odour. It carries pathogenic organisms that can transmit diseases to humans and animals, hold nutrients that may cause eutrophication of receiving water bodies and can lead to eco toxicity. The purpose of the environmental legislations referred to in the NGT Act is to prevent environmental degradation on the one hand and its improvement on the other. **To perform these functions collectively and effectively, it would be necessary for such projects to get EC at the very threshold**”*

Authority decided to inform the Superintending Engineer, KWA that, as per the directions of NGT in the order cited above, EC is required for establishment of STPs. A copy of the order may also be made available to Superintending Engineer, KWA for kind perusal.

Item No.117.28 Environmental Clearance issued for the Granite Building Stone Quarry in Sy No. 298 at Mupainad Village, Vythiri Taluk, Wayanad district, Kerala - Judgment in WP (C) 845/2021 filed by M.P Kuriakose - regarding the validity of EC (File No.901/SEIAA/ EC4/3462/2015)

The Authority in its 116th meeting heard the Proponent, Sri. M. P. Kuriakose and one of the complainant, Sri. Thomas of Prakruthi Samrakshana Samithi on 29.09.2022 and gave them an opportunity for submitting a detailed hearing note within 7 days with necessary supporting documents to substantiate their claims. The Authority also decided to hear the Secretary,

Mupainad Grama Panchayat, Sri. P T Mujeeb, the complainant & Sri. M. C. Cheriyan, the respondent in the next SEIAA meeting. The hearing note was received on 03.08.2022.

As decided in its 116th meeting, the Authority heard the Secretary, Mupainad Grama Panchayat on 30th August 2022 and gave an opportunity of submitting a detailed hearing note within 7 days with necessary supporting documents to substantiate his claims. Sri. P. T. Mujeeb, the complainant and Sri. M. C. Cheriyan, the respondent have not attended the hearing even after the receipt of intimation vide registered post.

In this circumstance, the Authority decided that after the receipt of the hearing note from the Mupainad Grama Panachayat Secretary, the proposal shall be considered by SEAC for further appraisal. The hearing notes shall be forwarded to SEAC.

Item No.117.29 **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 (SIA/KL/MIS/153098/2020, File No.1662/EC1/2020/SEIAA)**

The Authority heard the Consultant on 30th August 2022 on behalf of the Proponent and noted that as sought by MoEF&CC, the clarification regarding the issuance of EC was submitted on 15.07.2022. Since, the matter is pending with the MoEF&CC, the Authority decided to keep the item in abeyance for want of further decision / intimation from MoEF&CC.

Item No.117.30 **Environmental Clearance for the Granite Building Stone Quarry Project in Sy No. 1618 (Not final) at Koodaranji Village, Koodaranji Panchayth, Thamarassery Taluk, and Kozhikode District - Judgment in WP (C) No. 9574 /2021 filed by Sri. Abdul Muneer C., M/s Indo Black Stone – Revalidation of EC. (File No. 862/SEIAA/EC4/2991/2015)**

The Authority heard the proponent on 30th August 2022 as per his representation dated 2.07.2022 against the rejection of the revalidation proposal and gave him an opportunity of submitting a detailed hearing note within 7 days with necessary supporting documents to substantiate his claims, if any. The proposal with hearing note shall be placed in the next SEIAA meeting for decision.

Item No.117.31 **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, Kerala. (SIA/KL/MIN/140072/2020, 1631/EC2/2020/SEIAA**

The Authority heard the proponent on 30th August 2022 as per his representation dated 22.07.2022 against the rejection of the revalidation proposal and gave him an opportunity of submitting a detailed hearing note within 7 days with necessary supporting documents to substantiate his claims, if any. The proposal with hearing note shall be placed in the next SEIAA meeting for decision.

Item No.117.32 **Granite Building Stone Quarry of M/s Friends Granites & Crushers for an extent of 4.6308 Ha in Re-Sy. No109/1, 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, Kerala (SIA/KL/MIN/130112/2019; 1628/EC2/2020/SEIAA)**

The Authority heard the proponent on 30th August 2022 as per his representation dated 16.07.2022 against the rejection of the revalidation proposal and gave him an opportunity of submitting a detailed hearing note within 7 days with necessary supporting documents to substantiate his claims, if any. The proposal with hearing note shall be placed in the next SEIAA meeting for decision.

Item No.117.33 **Environmental Clearance issued from DEIAA, Palakkad to M/s PPK Granites & Crusher Products Pvt Ltd for the Granite Building Stone Quarry in Ambalappara- II Village, Ottapalam Taluk, Palakkad District - Judgment dated 10.03.2021 in WP (C) No.6159/2021 - Revalidation of EC.**
(File No. 1062/EC1/2021/SEIAA)

The Authority perused the item and noted the decisions of various SEAC meetings, and the field inspection report of the Sub-Committee. The Authority also verified the document submitted by the Proponent as directed in its 116th meeting and found them satisfactory. The SEAC in its 129th meeting has recommended for the revalidation of EC with project life of 8 years from the date of original EC i.e. 21.04.2017 subject to certain Additional Specific Conditions.

The Authority decided to revalidate the Environmental Clearance for a project life of 8 years from the date of original EC i.e. 21.04.2017. The revalidation of EC is subject to the Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

1. *Appropriate benches should be provided where ever mining is done.*
2. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
3. *Wherever mining is done without maintaining 45° slope, such areas should be closed for mining and rehabilitated with immediate effect considering the closure plan.*
4. *The proponent should provide Rainwater Harvesting Facility as directed in the EC order dated 21.4.2017.*
5. *Strengthen the green belt and avenue plantation by planting and nurturing indigenous species of trees.*
6. *The proponent should establish the maximum possible solar energy generation.*

7. *The drainage along with silt traps, collection tanks, and outflow channel should be provided and desilted periodically and geotagged photographs should be submitted as proof.*
8. *Overburden dump has to be properly protected with retaining wall/ gabion structure.*
9. *The 7.5m buffer zone should be segregated from the quarry pit and a green belt should be developed all over the buffer zone. If hard rock is exposed in the buffer zone that prevents the development of the green belt, compensatory afforestation should be carried out in a suitable location. The geo-tagged photographs of the afforested area should be submitted.*

Item No.117.34 **Environmental Clearance issued to the quarry project in Sy Nos. 42/2 pt, 42/3pt & 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)**

As directed by the Court in the WP(C) No.22257 of 2022, the Authority heard the Respondent No.2 Sri. Basil Paul, the petitioner, Sri. K. S. Paulose, and other petitioners from 3 to 12 on 31st August 2022 and gave them an opportunity of submitting a detailed hearing note individually within 7 days with necessary supporting documents, if any to substantiate the claims. The proposal may be placed in the next SEIAA meeting for necessary further action.

Item No: 117.35 **Environmental Clearance issued for the proposed Commercial Complex (Hotel, Convention Centre & Shopping Mall) project, M/s LULU International Shopping Mall Pvt. Ltd., Thiruvananthapuram District - Clarification sought regarding CER/CSR commitments (File No.1047/EC1/899/SEIAA/2016)**

In the light of the discussion of Member Secretary SEIAA with Managing Director KWIL. on 5.9.22, Authority decided to request Managing Director KWIL once again, to submit a detailed project proposal for the implementation of CER activities as detailed in the letter

Authority also decided to direct M/S LULU International Shopping Mall Pvt. Ltd. once again, to deposit an amount of Rs 6.1389 Crores with Managing Director KWIL as informed already vide letter dated 22.07.22.

Authority noted that Writ Petition (W.P.(C)No.21767 of 2021 was disposed off by the H'ble High Court directing the 1st respondent to finalise Ext.P5 stop memo and to take action on application for extension of EC if the stop memo was revoked. Accordingly, Authority decided to revoke the stop memo and it was already intimated to the petitioner vide Letter dated 27.5.2022.

Thereafter as directed by H'ble High Court the Petitioner submitted an application for extension of validity of environmental clearance in Form-6 and it was received by SEIAA on 23.6.2022. The proposal was forwarded to SEAC and it was received by SEAC on 1.7.2022 and the same was placed in the immediate next meeting of SEAC held during July 4-6, 2022. The Committee scrutinized the application on priority and observed that the application lacks certain documents/details as listed in the minutes.

In order to avoid delay, the SEAC decided to constitute a Sub Committee of Expert members of SEAC consisting of Dr. K.N.Krishnakumar and Dr.Mahesh Mohan to evaluate the documents submitted by the Project Proponent along with the application, to examine compliance of EC conditions and to carry out a field inspection and to submit a report. The Subcommittee conducted a field inspection on 28.7.2022 and submitted a report which was considered in the 131st meeting of the SEAC held on 20.8.2022. The 131st meeting of the SEAC, after studying the Judgement of the Hon. High Court, examined the proposal, evaluated the documents and discussed the field inspection report. Accordingly, the SEAC decided to direct the Proponent to submit the following documents which are essential for appraising the project further and for taking a decision on the extension of the validity of the EC.

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

The 131st meeting of the SEAC also observed that the Project area falls in moderate hazard zone in continuity with high hazard zone and therefore, adequate precautions will also have to be taken considering the Kerala State Disaster Management Plan 2016 published under Section 23 (1) of the Disaster Management Act, 2005. It is brought to the notice of the authority that Project Proponent is yet to submit some of the essential documents required for appraisal of projects before giving extension of Environmental Clearance.

From the above it can be seen that Respondents have obeyed the directions of H'ble High Court in W.P.(C)No.2176/2021 and the extension of EC could not be done for want of certain documents to be submitted by the Petitioner which are essentially required for evaluation of application of Project Proponent for extension of EC.

Under the circumstances the Authority decided the following:

1. Authority decided to take suitable decision on the application for extension of Environmental Clearance in its immediate next meeting as and when the recommendation is received from SEAC.
2. Authority decided to inform the above position to Project Proponent through Email with a direction to submit the documents required by SEAC within one week for further appraisal of his application for EC extension.
3. The Authority decided to inform the above position to Standing Counsel to defend the CCC as and when it is posted for hearing. SEIAA Secretariat to submit instructions to Standing Counsel on the above lines.

PARIVESH FILES

PART - 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCES

Item No.1 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. P. Abbas for an area of 0.5265 Ha in Re-Sy No.198/5, Pulikkal Village, Kondotty Taluk, Malappuram District, Kerala (SIA/KL/MIN/126527/2019; 1819/EC6/ 2020/SEIAA)**

Sri. P. Abbas, Attavalappil House, Valiyaparambu P.O, Malappuram submitted an application for Environmental Clearance through PARIVESH on 26.10.2020, for the Granite Building Stone Quarry Project, for an area of 0.5265 Ha in Re-Sy No.198/5, Pulikkal Village, Kondotty Taluk, Malappuram, 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 2, Pre-Feasibility Report, Mining Plan, the additional details/documents obtained from the proponent during appraisal and the Field Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with 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 the project life of 5 (five) 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. *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. *The garland canal, silt traps, siltation pond and outflow channel should be provided considering the entire project area prior to the commencement of mining.*
5. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
6. *The garland drain along with silt traps, siltation tank and outflow channel should be desilted and cleaned periodically and geotagged photographs should be incorporated in the Half Yearly Compliance Report.*
7. *Compensatory afforestation should be done with indigenous fruit trees and the geo-tagged photographs of the afforested place should be submitted along with HYCR. The activity should be commenced before the start of quarrying operations.*
8. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
9. *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. 2

Environmental Clearance for the proposed Granite Building Stone Quarry Project of Sri. Ravi Paleri in Re-Sy.No.275/1Apt, in Triprangottur Village, Thalassery Taluk, Kannur District, Kerala (SIA/KL/MIN/126728/2019; 1782/EC4/2020/SEIAA)

The Authority heard the Proponent, Sri. Ravi Paleri on 30th August 2022 and gave him an opportunity of submitting a detailed 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.3

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Sajeer Babu V. for an area of 2.7804 Ha in Block No.33, Re-Sy. No.420/7 (420/7-1), 421/7, 422/1/1, (422/1-7, 422/1-9, 422/1-10, 422/1-11, 422/1-12), Block No14, Re-Sy.No.298/2, in Kuzhimanna & Muthuvallur Village, Kondotty Taluk, Malappuram, Kerala (SIA/KL/MIN/129012/ 2019; 1302/EC2/ 2019/SEIAA)

Sri. Sajeer Babu V., Thaliyilaparamb House, Feroke P.O, Kozhikkode submitted an application for Environmental Clearance through PARIVESH on 14.12.2019, for the Granite Building Stone Quarry Project, for an area of 2.7804 Ha in Block No.33, Re-Sy No. 420/7 (420/7-1), 421/7, 422/1/1, (422/1-7, 422/1-9, 422/1-10, 422/1-11, 422/1-12) and in Block No. 14, Re-Sy No. 298/2, at Kuzhimanna & Muthuvallur Village rrespectively, Kondotty Taluk, Malappuram, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal and the Field Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC for a project life of 12 years with 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.

The Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan and then to extend the EC period to cover the 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 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. *The EC issued will be subject to a review by SEAC after 5 years through filed verification to ensure that mining is carried out sustainably as per the EC conditions.*
4. *In the interest of residential buildings located at a distance of 51-200 m radius from the quarry site, the Project Proponent shall attend the following:*
 - *An impact vibration study has to be carried out through a reputed agency and the Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay within 3 months of commencing quarry operations and included in the Half Yearly Compliance Report. This study must be monitored by a committee which includes concerned ward member of Grama Panchayat and a representative of residents within 100 radius. The corrective measures have to be taken to minimize the vibration effect if any as suggested by the agency engaged for the study and the monitoring committee.*
 - *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
 - *Priority should be given to the needs of local residences while implementing CER activities. If the need be the EMP approved shall be modified to accommodate these changes under intimation to SEAC*
 - *One of the local residents shall be made member of the Environmental management cell and their grievances shall be heard and addressed.*
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. *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. *The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage.*

8. *The drainage along with silt traps, collection tanks and outflow channel should be desilted and cleaned periodically and geotagged photographs should be incorporated in the Half Yearly Compliance Report.*
9. *The overburden dump should be shifted to the lower elevation portion of the project area and it should be protected with proper gabion wall to avoid soil erosion. A geo-tagged photographs of the overburden dump should be submitted along with the HYCR*
10. *Muffle blasting should be carried out. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
11. *Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
12. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
13. *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. *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.4

Environmental Clearance for the Building Stone Quarry Project of M/s Plaza Crusher Metals in Re-Survey Nos. 143/24, 3, 13, 14, 21, 23, Ananganadi Village, Ottappalam Taluk, Palakkad District, Kerala (SIA/KL/MIN/132745/2019; 1570/EC1/2019/SEIAA)

Sri. V. P Peter, Managing Partner, M/s Plaza Crusher Metals, Cherumbattakavu, Palakkad -679501, submitted an application for Environmental Clearance via PARIVESH on 21.12.2019, for the Building Stone Quarry Project in Re-Sy Nos. 143/24, 3, 13, 14, 21, 23, Ananganadi Village, Ottappalam Taluk, Palakkad, 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with 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 the project life of 1 (one) 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. Green belt should be developed in the buffer zone prior to commencement of mining.*
- 4. Garland canal along with silt traps, siltation pond and overflow channel should be provided covering the entire project area*
- 5. The garland canal, silt traps, siltation pond and outflow channel should be cleaned periodically so as to avoid any hindrance to overland drainage.*
- 6. An abandoned quarry with a horizontal phase of around 10m height is found of in the proposed project area which should be protected with fencing after leaving a buffer zone so as to avoid danger to man and animal. 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.*

7. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.
8. *The CER should be implemented as proposed during the first six months of the project.*
9. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
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.5 **Environment Clearance for the Granite Building Stone Quarry Project of Sri. Binoj K Baby, for an area of 0.7905 Ha in Re-Sy. Nos. 399/1, 399/15 & 399/18 Padichira Village, Sulthan Bathery Taluk, Wayanad, Kerala. (SIA/KL/MIN/133893/2019; 1788/E2/2020/SEIAA)**

The Authority verified the item and noted that the proponent has intimated his inconvenience to attend the hearing. So, the Authority decided to defer the hearing to the next SEIAA meeting as requested by the proponent. Prior intimation regarding the same shall be sent to the proponent well in advance.

Item No.6 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Shine Mathew, for an extent of 1.0336 Ha in Block No. 13, Re-Sy. No. 541/2, Purappuzha Village, Thodupuzha Taluk, Idukki District, Kerala. (SIA/KL/MIN/136876/2020; 1687/EC3/2020/SEIAA)**

Sri. Shine Mathew submitted an application for Environmental Clearance through PARIVESH Portal on 04/02/2020, for the Granite Building Stone Quarry, for an extent of 1.0336 Ha in Block No. 13, Re-Sy. No. 541/2, Purappuzha Village, Thodupuzha Taluk, Idukki, Kerala.

The Authority perused the proposal and 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 130th meeting recommended EC for a project life of 6 years with 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 Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan, and then to extend the EC period to cover the 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 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. The EC issued will be subject to a review by SEAC after 5 years through filed verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. The top soil and OB dump site should be relocated to the downward side of the boundary between BP1 and BP2. Gabion wall should be constructed around the OB dump site. Geo-tagged photographs of the site should be submitted prior to commencement of mining.*
- 5. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 6. Topsoil should be kept separately from the overburden and should be used for green belt development*
- 7. 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. *The garland canal, silt traps, siltation pond and outflow channel should be provided considering the entire project area prior to the commencement of mining.*
9. *The garland drain along with silt traps, siltation tank and outflow channel should be desilted and cleaned periodically and geotagged photographs should be incorporated in the Half Yearly Compliance Report.*
10. *Afforestation should be done with indigenous fruit trees and the geotagged photographs of the afforested place should be submitted along with HYCR. The activity should be commenced before the start of quarrying operations.*
11. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
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. *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.*
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. *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.*
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.7

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Saji Sebastian, for an extent of 0.9696 Ha in Sy Nos: 128/3Bpt, 128/4pt, 129/1-4pt, 129/2-1pt, in Arakkuzha Village, Muvattupuzha Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/137503/2020, 1720/EC3/2020/SEIAA)**

Sri. Saji Sebastian submitted an application for Environmental Clearance through PARIVESH Portal on 20/01/2020, for the Granite Building Stone Quarry project, for an extent of 0.9696 Ha in Sy Nos: 128/3Bpt, 128/4pt, 129/1-4pt, 129/2-1pt, in Arakkuzha Village, Muvattupuzha Taluk, Ernakulam, 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with 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 the project life of 5 (five) 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. Green belt development in the buffer zone should be done in the first year of the project itself with plants mentioned in the biodiversity assessment report and it should be nurtured and maintained in subsequent years*
- 4. Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geo-coordinates of the afforested place with photographs should be provided along with HYCR.*
- 5. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
- 6. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 7. Garland drain, covering the entire project area, silt traps, siltation ponds and outflow channel should be provided prior to the commencement of mining.*
- 8. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted and cleaned periodically and geo-tagged photographs of the same should be submitted along with HYCR.*

9. *The OB dump should be located at the lower portion of the project site and away from drainage lines and protected with gabion walls.*
10. *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.*
11. *The existing quarry with steep vertical phase should be corrected by providing benches.*
12. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
13. *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. *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.8

Environment Clearance for the Granite Building Stone Quarry of Sri. Joby John for an area of 0.7300 Ha in Re Sy. Nos. 382/1 & 382/5 Padichira Village, Sulthan Bathery Taluk, Wayanad, Kerala (SIA/KL/MIN/140590/2020, 1791/EC2/2020/SEIAA)

Sri. Joby John, Mundokuzhiyil House, Seethamound P.O, Pulpally, Wayanad 673579, vide application received on 15.09.2020, sought Environmental Clearance for the proposed Granite Building Stone Quarry in Re-Sy. Nos. 382/1 & 382/5 Padichira Village, Sulthan Bathery Taluk, Wayanad, Kerala.

The Authority noted the action taken by SEAC in its 120th, 122nd, 127th & 130th meetings held on different dates. The Committee in its 130th meeting examined the proposal, verified the documents and discussed the field inspection report. The Committee observed that the proposed project is located at 3.20 km from Wayanad Wildlife Sanctuary and the Project Proponent has not produced the proof for having applied for wild life clearance. The Committee also noted that there is a residential building owned and occupied by the proponent situated at a distance of about 31 m from the proposed quarrying area which is not shown in the map certified by the Village Officer. In the circumstance, the Committee decided to recommend rejection of the proposal.

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

Item No.9 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. A.M. Joy, for an extent of a 0.2023 Ha Survey No. 158/5-1pt, Arakkuzha Village, Muvattupuzha Taluk, Ernakulam. (SIA/KL/MIN/140622/2020, 1722/EC3/2020/SEIAA)

Sri. A.M. Joy submitted an application for Environmental Clearance via PARIVESH Portal on 07/02/2020, for the Granite Building Stone Quarry, for an extent of 0.2023 Ha in Sy No. 158/5-1pt, Arakkuzha Village, Muvattupuzha Taluk, Ernakulam, 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with 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 the project life of 2 (two) 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. Green belt development in the buffer zone should be done in the first year of the project itself with plants mentioned in the biodiversity assessment report and it should be nurtured and maintained in subsequent years*

4. *Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
5. *The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
6. *Garland drain, covering the entire project area, silt traps, siltation ponds and outflow channel should be provided prior to the commencement of mining.*
7. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted and cleaned periodically and geo-tagged photographs of the same should be submitted along with HYCR.*
8. *Measures incorporated in the CER should be implemented in the first year and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
9. *The existing quarry with steep vertical phase should be corrected by providing benches.*
10. *The OB dumping site should be protected with gabion wall.*
11. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
12. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Kozhikode and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
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 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.*
- 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. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 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.10

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Eldho Kuruvilla, for an extent of a 8.7668 Ha in Re-Sy Nos. 283, 282/3-1, 282/3- 3pt of Mazhuvannoor Village & in Block No. 28, Re-Sy Nos. 284/1-2, 284/1-3, 284/2-2Pt., 284/2- 3pt., 285/4, 283/2-5-

2, 283/2-3-2, 282/1-3-1-2 of Arackappady Village, Kunnathunad Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/144152/2020; 1392/EC2/2019/SEIAA)

Sri. Eldho Kuruvilla submitted an application for Environmental Clearance via PARIVESH on 20/02/2020, for the Granite Building Stone Quarry project, for an extent of 8.7668 Ha in Re-Sy Nos. 283, 282/3-1, 282/3- 3pt. of Mazhuvannoor Village & Block No: 28, Re Survey Nos. 284/1-2, 284/1-3, 284/2-2Pt., 284/2- 3pt., 285/4, 283/2-5-2, 283/2-3-2, 282/1-3-1-2 of Arackappady Village, Kunnathunad Taluk, Ernakulam, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC for a project life of 10 years with 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 Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan and then to extend the EC period to cover the 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. *The EC issued will be subject to a review by SEAC after 5 years through filed verification to ensure that mining is carried out sustainably as per the EC conditions.*
4. *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. *The garland canal, silt traps, siltation pond and outflow channel should be provided considering the entire project area prior to the commencement of mining.*
6. *The garland drain along with silt traps, siltation tank and outflow channel should be desilted and cleaned periodically and geotagged photographs should be incorporated in the Half Yearly Compliance Report.*
7. *The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
8. *Compensatory afforestation should be done with indigenous fruit trees and the geotagged photographs of the afforested place should be submitted along with HYCR. The activity should be commenced before the start of quarrying operations. The PP committed planting of native trees @ 1:5 for every tree cut from the project area.*
9. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
10. *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.*
11. *As there are two more working quarries working within 500 Mts. distance from the project site, all the mitigation plans suggested in the Environmental Management*

- Plan derived based on the EIA should be implemented for the entire area in consultation with other project proponents. An Environmental Monitoring Cell should be constituted for the entire area by incorporating all the quarry owners and the compliance of this direction shall be included in the HYCR.*
- 12. All the concerns expressed during the Public Consultation process should be addressed without fail and it has to be mentioned in the half yearly compliance report.*
 - 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 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.*
 - 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. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
 - 16. Authority noticed including this quarry, there will be five quarries covering about 22 Ha area within 500 m radius. There are many crushers also working in this area. Combined impact of quarries and crushers on the environment is to be studied in detail and an environment management plan has to be prepared for treating the*

whole area. The Project Proponent will take the responsibility of preparing EMP with the support of other quarry owners for treating the whole area, through a recognized and other quarry owners will share the cost involved in preparation of EMP. The EMP shall be approved by SEAC. All the quarry owners will carry out the activities proposed in the EMP in their respective quarries and meet the expenditure. All the quarry owners shall mention the action taken to implement the EMP activities in their respective half yearly compliance report.

17. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 1^{6th} 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.

18. 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 proposed Granite Building Stone Quarry Project of Sri. Santhosh Kumar E. in Block No. 43, Re-Sy No.130 at Vayakkara Village, Payyannur Taluk, Kannur, Kerala (SIA/KL/MIN/145479/2020; 1407/EC1/2019/SEIAA)

Sri. Santhosh Kumar E., S/o Bhaskaran, Elavunkal House, Mundarkanam, Padiyottuchal P.O, Kannur-670353 submitted an application for Environmental Clearance through PARIVESH on 26.02.2020, for the Granite Building Stone Quarry Project, for an area of 0.4825 Ha in Block No.43, Re-Sy No.130 at Vayakkara Village, Payyannur Taluk, Kannur, 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the

proponent during appraisal and the Field Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with 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 the project life of 4 (four) 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 maximum depth of mining should be limited at 75m AMSL and therefore, mining should not be resorted to in the 5th year as proposed in the approved mine plan.*
- 4. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
- 5. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 6. 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. The garland canal, silt traps, siltation pond and outflow channel should be provided considering the entire project area prior to the commencement of mining.*
- 8. The garland canal along with silt traps, siltation tank and outflow channel should be desilted and cleaned periodically and geo-tagged photographs should be incorporated in the Half Yearly Compliance Report.*

9. *Compensatory afforestation should be done with indigenous fruit trees and the geo-tagged photographs of the afforested place should be submitted along with HYCR.*
10. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
11. *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.*
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.12

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Saji Sebastian, for an area of 1.7634 Ha in Sy No: 66/1, 66/2A, 66/2A, 66/2B, 128/2A, 128/2 B3, 128/2B2, 128/3A, 128/3B2 at Arakkuzha Village, Muvattupuzha Taluk, Ernakulam, Kerala. (SIA/KL/MIN/146311/2020; 1712/EC3/2020/SEIAA)

Sri. Saji Sebastian submitted an application for Environmental Clearance *via* PARIVESH Portal on 29/02/2020, for mining of Granite Building Stone Quarry project for an area of 1.7634 Ha in Sy Nos: 66/1, 66/2A, 66/2A, 66/2B, 128/2A, 128/2 B3, 128/2B2, 128/3A, 128/3B2 in Arakkuzha Village, Muvattupuzha Taluk, Ernakulam, Kerala.

The Authority noted the action taken by SEAC in its 120th, 122nd, 123rd, 124th, 128th & 130th meetings held on different dates. The Committee in its 130th meeting examined the proposal, verified the documents and discussed the field inspection report. The Committee recommended the rejection of the proposal by considering the distance criteria, as the distance to the nearest built structure is only 32m.

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

Item No.13

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Ahammed Nasar M. for an area of 0.1940 Ha in Re-Sy No.27, Athavanad Village, Tirur Taluk, Malappuram Kerala (SIA/KL/MIN/148500/2022; 1711/EC6/ 2020/SEIAA)

Sri. Ahammed Nasar.M, Mandayappurath, Karippol P.O, Malappuram submitted an application for Environmental Clearance through PARIVESH on 13.06.2020, for the Laterite

Building Stone Quarry Project, for an area of 0.1940 Ha in Re-Sy No.27 in Athavanad Village, Tirur Taluk, Malappuram, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 130th meeting recommended to issue EC for the period of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) 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. The excavation activity associated should not involve blasting.*
- 4. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
- 5. The excavation activity should be restricted to 2m above the ground water table at the site.*
- 6. The excavation activity should not alter the natural drainage pattern of the area.*
- 7. The excavated pit should be restored by the project proponent for useful purpose.*
- 8. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*

10. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
11. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
12. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
13. *A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
14. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
15. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
16. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
17. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
18. *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. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
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. 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 Proposed Granite Building Stone Quarry Project of Sri. Ravi Paleri in Sy Nos. 22/2A, 23, Puthur Village, Thalassery Taluk, Kannur, Kerala
(SIA/KL/MIN/148624/2020; 1701/EC4/2020/SEIAA)**

Sri. Ravi Paleri, M/s Surya Stone Crushers & Hollow Bricks, Kalluvalappu, Cheruparamba P.O, Kannur-670693 submitted an application for Environmental Clearance through PARIVESH on 15.03.2020 in SEIAA, for the proposed Granite Building Stone Quarry Project, for an area of 0.6464 Ha in Sy Nos. 22/2A, 23, Puthur Village, Thalassery Taluk, Kannur, 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting, recommended EC with 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 the project life of 5 (five) 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 haulage road should be widened and developed with blacktop prior to the commencement of mining*
- 4. Green belt should be developed all along the entire buffer zone in the first year itself and it should be nurtured and maintained*
- 5. The overburden dump is proposed at a spot between BP13 and BP12 where the slope is very steep. Therefore, the overburden should be stored in the abandoned quarry pit for the time being and used for closure of the mine on completion of mining.*
- 6. Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps, siltation pond and outflow channel.*
- 7. Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
- 8. Arrangements should be made for discharge of the overland flow to the nearby natural drain*
- 9. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
- 10. The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
- 11. The mining should be limited to 80 m above MSL for limiting the mine depth above the groundwater table*

12. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
13. *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. *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.*
16. *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.*
17. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*

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.15

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Shymon Anto, for an extent of a 0.9133 Ha in Sy Nos: 338/1A/20/D&D2, Keerampara Village, Kothamangalam Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/156447/2020, 1731/EC3/2020/SEIAA)**

Sri. Shymon Anto submitted an application for Environmental Clearance via PARIVESH Portal on 10/06/2020, for mining of Granite Building Stone Quarry for an extent of a 0.9133 Ha.in Sy. No: 338/1A/20/D&D2 in Keerampara Village, Kothamangalam Taluk, Ernakulam District, Kerala.

The Authority noted the action taken by SEAC in its 120th, 122nd, 124th, 127th & 130th meetings held on different dates. The Committee in its 130th meeting examined the proposal and discussed the field inspection report. The Committee noted that a crusher is located adjacent to the boundary of the proposed site, since there are built structures within 50 m of the proposed project area, the Committee recommended rejection of the proposal.

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

Item No.16

**Environment Clearance for the Granite Building Stone Quarry of Sri. Sudheesh A.T. for an area of 1.8407 Ha in Re-Sy Nos. 129/20, 129/19, 134/6, 134/7, Padichira Village, Sulthan Bathery Taluk, Wayanad, Kerala
(SIA/KL/MIN/161938/2020, 1727/EC2/2020/SEIAA)**

Sri. Sudheesh A T, Proprietor, Adakkathottathil House, Rattakundu, Kumbleri P O, Wayanad 673593, vide application received on 06.07.2020, sought Environmental Clearance for the proposed Granite Building Stone Quarry in Re-Sy Nos. 129/20, 129/19, 134/6, 134/7 of Padchira Village, Sulthan Bathery Taluk, Wayanad, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC for a project life of 10 years with 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 Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan, and then to extend the EC period to cover the 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. *The EC issued will be subject to a review by SEAC after 5 years through filed verification to ensure that mining is carried out sustainably as per the EC conditions.*
4. *Since the quarry site is located within a distance of 10 km from Wayand Wildlife Sanctuary, Nagarhole National Park and Tiger Reserve, and Bandipur National Park, 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. If it is located within 5 KMs from interstate boundary the EC can be issued at central level.*
5. *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.*
6. *The boundary pillars, should be changed with concrete pillars marked with geo coordinates and fixed using concrete and geotagged photographs of each pillar should be submitted prior to the commencement of mining.*
7. *The temporary shed located at the north-east corner of the project site should be demolished and geo-tagged photograph of the same should be submitted prior to the issuance of EC.*
8. *The haulage road should be widened to at least 7m width prior to commencement of mining and geo-tagged photograph of the same should be submitted prior to the issuance of EC.*

9. *Compensatory afforestation should be done prior to the commencement of mining with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
10. *The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
11. *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*
12. *Garland drain, covering the entire project area, silt traps, siltation ponds and outflow channel should be provided prior to the commencement of mining.*
13. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted and cleaned periodically and geo-tagged photographs of the same should be submitted along with HYCR.*
14. *The maximum depth of mining should not exceed 715 above MSL.*
15. *The quarry pit should be developed as a water harvesting pond as per the mine closure plan.*
16. *The OB dump should be located at the lower portion of the project site and away from drainage lines and protected with gabion walls.*
17. *An additional settling pond at the lower part of the own land of the applicant should be provided for ensuring the discharge of clear water to the nearby low land/ paddy field.*
18. *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.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*

20. *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.*
21. *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.*
22. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
23. *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.*
24. *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 the Granite Building Stone Quarry Project of Sri. Dineesh Vijayan, for an extent of a 0.7137 Ha in Re-Sy. Nos. 140/2, 140/2-1, 140/2-1-1 of Vallichira Village, Meenachil Taluk, Kottayam, Kerala.
(SIA/KL/MIN/163594/2020; 1756/EC3/2020/SEIAA)**

Sri. Dineesh Vijayan submitted an application for Environmental Clearance via PARIVESH on 15/07/2020, for the Granite Building Stone Quarry project, for an extent of 0.7137 Ha in Re-Sy. Nos. 140/2, 140/2-1, 140/2-1-1 of Vallichira Village, Meenachil Taluk, Kottayam, 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with 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 the project life of 5 (five) 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 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 first Half Yearly Compliance Report.*
- 4. Blasting mats should be used during rock blasting to contain the blast, prevent fly*

rocks and suppress dust.

- 5. Green belt should be developed all along the entire buffer zone in the first year itself and it should be nurtured and maintained*
- 6. Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geo coordinates of the afforested place with photographs should be provided along with HYCR.*
- 7. The overburden dump should be protected with retaining wall.*
- 8. Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps at every 10m interval, siltation pond and outflow channel. There should be three siltation ponds arranged in a series which should be made with concrete*
- 9. Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
- 10. The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
- 11. The haulage road should be maintained well.*
- 12. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 13. 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.

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.18

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. N. S. Ganesh, for an extent of a 0.9995 Ha in Block No. 32, Re- Sy No: 171/8, of Airapuram Village, Kunnathunadu Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/164222/2020; 1757/EC3/2020/SEIAA)**

Sri. N. S. Ganesh submitted an application for Environmental Clearance via PARIVESH on 18/07/2020, for the Granite Building Stone Quarry, for an extent of a 0.9995 Ha in Block No. 32, Re-Sy No: 171/8, of Airapuram Village, Kunnathunadu Taluk, Ernakulam, 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC for a period of 4 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 4 (four) 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 maximum mine depth should be limited at 35m with 5 benches instead of 15m with 9 benches.*
- 4. The boundary pillars should be fixed with concrete and geo-tagged photographs of the same should be submitted prior to commencement of mining.*
- 5. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
- 6. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 7. Green belt should be developed all along the entire buffer zone in the first year itself and it should be nurtured and maintained*

8. *Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
9. *The overburden dump should be protected with retaining wall.*
10. *Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps at every 10m interval, siltation pond and outflow channel and it should be connected to the nearest natural drain.*
11. *Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
12. *The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
13. *The haulage road should be maintained well.*
14. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
15. *Environment Management Cell (EMC) should include one subject expert qualified in Environment Science.*
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.19

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Jobin C Raju, for an extent of a 0.8990 Ha in Survey No: 892/15 of Arakuzha Village, Muvattupuzha Taluk, Ernakulam, Kerala.
(SIA/KL/MIN/164464/2020; 1784/EC3/2020/SEIAA)**

Sri. Jobin C. Raju submitted an application for Environmental Clearance via PARIVESH Portal on 21/07/2020, for the Granite Building Stone Quarry project for an extent of a 0.8990 Ha in Survey No. 892/15 of Arakuzha Village, Muvattupuzha Taluk, Ernakulam, 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC

in its 130th meeting recommended EC for a period of 4 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 4 (four) 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 maximum mining depth should not exceed 165m above MSL.*
- 4. Green belt development in the buffer zone should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years*
- 5. Compensatory afforestation should be done prior to the commencement of mining with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
- 6. Avenue trees should be planted and nurtured all along the sides of the haulage road.*
- 7. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
- 8. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 9. Garland drain, covering the entire project area, silt traps, siltation ponds and outflow channel should be provided prior to the commencement of mining.*

10. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted and cleaned periodically and geo-tagged photographs of the same should be submitted along with HYCR.*
11. *The OB dump should be located at the lower portion of the project site and away from drainage lines and protected with gabion walls.*
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. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
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 proposed Granite Building Stone Quarry of Sri. Abdul Gafoor for an area of 0.9122 Ha in Block No: 33, Re-Sy Nos. 369/1/2, 368/4/1, 368/3, Ongallur-II Village, Pattambi Taluk, Palakkad, Kerala
(SIA/KL/MIN/170229/2020; 1795/EC1/2020/SEIAA)**

Sri. Abdul Gafoor, S/o Saidalavi, Parakkattil House, Vallapuzha P.O, Pattambi, Palakkad submitted an application for Environmental Clearance via PARIVESH on 29.08.2020, for the proposed Granite Building Stone Quarry, for an area of 0.9122 Ha in Block No: 33, Re-Sy Nos: 369/1/2, 368/4/1, 368/3, Ongallur-II Village, Pattambi Taluk, Palakkad, 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with 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 the project life of 5 (five) 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. *Green belt should be developed all along the entire buffer zone in the first year itself and it should be nurtured and maintained*
4. *Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
5. *The overburden dump should be protected with retaining wall.*
6. *Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps at every 10m interval, siltation pond and outflow channel and it should be connected to the nearest natural drain.*
7. *Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
8. *The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
9. *The haulage road should be maintained well.*
10. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
11. *The lowest bench should be well above local groundwater table.*
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. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 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.*

ItemNo.21

Environmental Clearance for the Proposed Granite Building Stone Quarry Project of Sri. E. P. Krishnan Kutty in Re-Sy No. 67/2A in Perumanna Village, Kozhikode Taluk, Kozhikode, Kerala (SIA/KL/MIN/190202/2020; 1867/EC4/2020/SEIAA)

Sri. E. P. Krishnan Kutty, Noonhiyil Meethal House, Pantheerankavu P.O, Kozhikode - 673013 submitted an application for Environmental Clearance through PARIVESH on 28.12.2020, for the Granite Building Stone Quarry Project, for an area of 0.2632 Ha in Re-Sy No. 67/2A, Perumanna Village, Kozhikode Taluk, Kozhikode, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC for a period of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 2 (two) 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. Green belt should be developed all along the entire buffer zone using indigenous species including climbers and herbs in the first year itself and it should be nurtured and maintained.*
- 4. Compensatory afforestation for the trees to be removed from the proposed site should be done prior to the commencement of mining with indigenous species and the geo-coordinates of the afforested place with photographs should be provided along with HYCR.*
- 5. Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps, siltation pond and outflow channel and it should be connected to the nearest natural drain.*

6. *Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
7. *The CER should be implemented in total during the first year and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
8. *The haulage road should be maintained well.*
9. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
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. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*

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.22

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

SIA/KL/MIN/205474/2021; 1444/EC2/2019/SEIAA (EC Proposal)

&

SIA/KL/MIN/41118/2019; 1444/EC2/2019/SEIAA (ToR proposal)

Sri. K. I. Joseph, Kallur House, Venganellur, Chelakkara P.O, Thrissur submitted an application for Environmental Clearance through PARIVESH on 19.09.2019, for the Granite Building Stone Quarry project for an area of 0.9910 Ha in Survey No.5 3/2 in Venganellur Village, Thalappilly Taluk, Thrissur 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommended EC with 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 the project life of 5 (five) 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 issued only after producing a consent letter from the land owner of the plot in SY NO.53/6 where the proponent plans to stack the overburden.*
- 3. 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.*
- 4. Since the quarry site is located within a distance of 10 km from Peechi-Vazhani 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.*
- 5. 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.*
- 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. Blasting should be scheduled such that it will not to overlap with the blasting time of the adjacent quarry.*
 - 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. Access road is narrow, so medium type vehicle should be used for the transportation of mined material. The proponent should adhere to the plan for traffic management submitted in consultation with the adjacent proposed quarry of Shri Vijayakumar.*
 - 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. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*

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.

The SEIAA Secretariat shall forward a copy of the EC to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, District Collector, Thrissur and Director Mining and Geology, Department of Industries GoK, besides others for information and necessary further action.

Item No.23

Environment Clearance for the Laterite Building Stone Quarry of Sri. Jaleel S. for an area of 0.1155 Ha in Re-Sy Nos. 241/2-24, 241/3-26 Thamarakkulam Village, Mavelikara Taluk, Alappuzha, Kerala (SIA/KL/MIN/271866/2022; 2036/EC2/2022/SEIAA)

Sri. Jaleel. S, S/o. Saleem Rowthar, Saleem Manzil, Thamarakkulam P.O Alappuzha- 690 530, vide application received on 04.06.2022, sought Environmental Clearance for the Laterite Building Stone Quarry in Re-Sy. Nos.241/2-24,241/3-26 of Thamarakkulam Village, Mavelikkara Taluk, Alappuzha, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 130th meeting recommended 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 the project life of 1 (one) 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) The excavation activity associated should not involve blasting.*
- 4) The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
- 5) The excavation activity should be restricted to 2m above the ground water table at the site.*
- 6) The excavation activity should not alter the natural drainage pattern of the area.*
- 7) The excavated pit should be restored by the project proponent for useful purpose.*
- 8) Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9) Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
- 10) Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
- 11) Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 12) A berm should be left from the boundary of adjoining field having a width equal to at*

- least half the depth of proposed excavation.*
- 13) A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
- 14) No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
- 15) The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
- 16) The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 17) Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 18) 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. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 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) 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 Granite Building Stone Quarry Project of Sri. Haridas P.G, for an area of 0.9345 Ha in Survey No. 156/1 (P) & 156/2 (P) in Karimkunnam Village, Thodupuzha Taluk, Idukki District, Kerala.
(SIA/KL/MIN/277739/2022, File No.1223/EC2/2019/SEIAA)**

Sri. Haridas P.G., Pallickasseriyl, Ezhalloor P.O., Thodupuzha, Idukki- 680605, vide online application and the hardcopy received on 08.04.2019, sought Environmental Clearance under EIA Notification, 2006 for the granite building stone quarry project for an area of 0.9345 Ha in Survey Nos. 156/1 (P) & 156/2 (P), Karimkunnam Village, Thodupuzha Taluk, Idukki, 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 128th and 130th meetings recommended EC with 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 the project life of 5 (five) 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 mining shall not be carried out in a notified ESA area.*
4. **The Proponent should submit a sworn affidavit stating that the boundary pillars are fixed permanently with concrete base and he shall submit the geotagged photographs as proof of having attended this observation of SEAC, before the issuance of EC.**
5. *Topsoil from the overburden should be stored separately and used for green belt development.*
6. *The overburden dumping site should be located on the lower side of the project area and it should be protected with Gabion structure to prevent sliding, runoff and erosion of the dump during rains.*
7. *The entire project area should be provided with fencing.*
8. *The buffer area should be demarcated around the quarry area as given in the mine plan should not be used for any purpose other than green belt development.*
9. *Green belt should be developed prior to the commencement of mining using indigenous species and it should be protected and nurtured till the mine closure plan is implemented in total.*
10. *Garland canal, intermittent silt traps, siltation pond and outflow channel should be provided covering the entire project area. Silt traps should be provided at an interval of 10m. The outflow channel should be connected to the nearby natural stream.*
11. *Garland canal, intermittent silt traps, siltation pond and outflow channel should be desilted periodically for channelizing unhindered overland flow and geotagged photographs of the process should be submitted along with half-yearly compliance report (HYCR).*
12. *The turbidity of drainage water should be monitored during different seasons and reported.*
13. *Measures incorporated in the CER should be implemented in total during the first*

two years and they should be operated and maintained during the remaining project period.

- 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. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 17. 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.*
- 18. 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 Removal of Ordinary Earth project of Sri. Thambu S. in Sy.No.270/6 & 270/3 Kulakkada Village, Kottarakkara Taluk, Kollam District
(SIA/KL/MIN/277892/2022; 916/A1/EC1/ 2019/ SEIAA)**

Shri. Thambu. S, Lakshmi Prabha, Sreenagar, Kadappakkada, Kollam-691008, vide his application received on 20/03/2019, sought Environmental Clearance for the removal of ordinary earth from an area of 46.31 ares in Sy Nos. 270/6 & 270/3, Kulakkada Village, Kottarakkara Taluk, Kollam.

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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, the Filed Inspection Report and the hearing notes of the Proponent. After the due appraisal, the SEAC in its 126th and 130th meetings recommended EC for the removal of ordinary earth as per the quantity mentioned in the approved mining plan, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year, for the quantity mentioned in the approved Mining Plan, subject to the General Conditions and specific recommendations of SEAC when the proposal was originally recommended SEIAA for issuing EC.

Item No.26

**Environmental Clearance for the Mining of Brick Clay project of Sri. P. Sundaran in Sy Nos. 111/1 & 111/2 Puthoor Village, Kottarakkara Taluk, Kollam District,
[SIA/KL/MIN/277955/2022, 929/A1/2019/SEIAA]**

Sri. P. Sundaram, Lakshmi Prabha, Sreenagar, Kadappakkada, Kollam-691008, vide his application received on 22/03/2019, sought Environmental Clearance for mining of brick clay from an area of 21 ares in Sy Nos. 111/1 & 111/2, Puthoor Village, Kottarakkara Taluk, Kollam.

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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, the Filed Inspection Report and the hearing notes of the Proponent. After the due appraisal, the SEAC in its 126th and 130th meetings recommended EC for the removal of ordinary earth as per the quantity mentioned in the approved mining plan, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year, for the quantity mentioned in the approved Mining Plan, subject to the General Conditions and the specific conditions put in by SEAC in their original recommendation to SEIAA.

Item No.27 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Muhammed Faisal Kannadan for an area of 0.1943 Ha in Re-Sy No. 82/1-23, Kurumbathur Village, Tirur Taluk, Malappuram, Kerala**
(SIA/KL/MIN/279900/ 2022; 2039/EC6/ 2022/SEIAA)

Sri. Muhammed Faisal Kannadan, S/o Beerankutty, Kannadan House, Marakkara, Kallarmangalam, Malappuram submitted an application for Environmental Clearance through PARIVESH on 25.06.2022, for the Laterite Building Stone Quarry Project, for an area of 0.1943 Ha in Re-Sy No.82/1-23 in Kurumbathur Village, Tirur Taluk, Malappuram, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 130th meeting recommended 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 the project life of 1 (one) 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) The excavation activity associated should not involve blasting.*
- 4) The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
- 5) The excavation activity should be restricted to 2m above the ground water table at the site.*
- 6) The excavation activity should not alter the natural drainage pattern of the area.*
- 7) The excavated pit should be restored by the project proponent for useful purpose.*
- 8) Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9) Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
- 10) Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
- 11) Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 12) A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
- 13) A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
- 14) No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*

- 15) *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
- 16) *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 17) *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 18) *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. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 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) *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.28

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Muhammed Faisal K. for an area of 0.2914 Ha in Re-Sy No. 82/1-40 (82/1), Kurumbathur Village, Tirur Taluk, Malappuram, Kerala

(SIA/KL/MIN/280322/ 2022; 2038/EC6/ 2022/SEIAA)

Sri. Muhammed Faisal K., S/o Beerankutty, Kannadan House, Marakkara, Kallarmangalam, Malappuram submitted an application for Environmental Clearance through PARIVESH on 27.06.2022, for the Laterite Building Stone Quarry Project, for an area of 0.2914 Ha in Re-Sy No.82/1-40 (82/1), Kurumbathur Village, Tirur Taluk, Malappuram, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 130th meeting recommended 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 the project life of 1 (one) 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) The excavation activity associated should not involve blasting.*
- 4) The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
- 5) The excavation activity should be restricted to 2m above the ground water table at the site.*
- 6) The excavation activity should not alter the natural drainage pattern of the area.*
- 7) The excavated pit should be restored by the project proponent for useful purpose.*

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

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

Item No.29

**Environmental Clearance for the Granite Building Stone Quarry of Mr. Suresh Babu in Re Survey Nos. 1/9, 2/4A, 2/4B, Ottappalam- I Village, Ottapalam Taluk, Palakkad District (Conversion from ToR to EC)
(SIA/KL/MIN/280933/2022; 1419/EC1/2019/SEIAA)**

Sri. Suresh Babu, S/O V. Sadasivan, 13/393A, Chemmarikatt Apartments, Opp: Carmel School, Kallipadam, Kulappully, Palakkad- 685584 submitted application for Environmental Clearance, for the Granite Building Stone Quarry in Re Survey Nos. 1/9, 2/4A, 2/4B, Ottappalam- I Village, Ottapalam Taluk, Palakkad 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC with 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 the project life of 5 (five) 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. Planting of trees for the development of green belt should be done prior to the commencement of mining and the green belt should be nurtured and maintained*
- 4. Compensatory afforestation should be done prior to the commencement of mining with indigenous species of trees and the geocoordinates of the afforested place with photographs should be provided along with half-yearly compliance report.*
- 5. Garland drain along with silt traps, siltation pond of appropriate volume and outflow channel should be provided covering the entire project area. The siltation pond should be provided at the lowest portion of the project area with the outflow channel connected to natural drain.*
- 6. Garland drain, silt-traps, siltation ponds, and outflow channel should be desilted periodically to prevent any obstruction to the drainage system. Geo-tagged photographs of periodic cleaning of garland canal, silt raps, siltation pond and outflow channel should be included in the half-yearly compliance report.*
- 7. A retaining wall of appropriate height should be provided for the overburden dumping site.*
- 8. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*

9. *Haulage road should be widened and maintained well with frequent sprinkling of water.*
10. *The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the half-yearly compliance report.*
11. *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.*
12. *The seasonal drain from the North – East to South – West direction of the proposed area is to be protected with adequate measures.*
13. *In the interest of residential buildings located at a distance of 51-200 m radius from the quarry site, the Project Proponent shall attend the following:*
 - *An impact vibration study has to be carried out through a reputed agency and the Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay within 3 months of commencing quarry operations and included in the Half Yearly Compliance Report. This study must be monitored by a committee which includes concerned ward member of Grama Panchayat and a representative of residents within 200 mts radius. The corrective measures have to be taken to minimize the vibration effect if any as suggested by the agency engaged for the study and the monitoring committee.*
 - *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
 - *Priority should be given to the needs of local residences while implementing CER activities. If the need be the EMP approved shall be modified to accommodate these changes under intimation to SEAC*
 - *One of the local residents shall be made member of the Environmental management cell and their grievances shall be heard and addressed.*

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.30

Environment Clearance for the Granite Building Stone Quarry project of Sri. O. D. Thomas, for an area of 1.1341 Ha in Re Sy No.

**374/752 & 374/738 Valad Village, Mananthavady Taluk, Wayanad,
Kerala
(SIA/KL/MIN/32061/2019; 1622/EC2/2020/SEIAA)**

Sri. O. D. Thomas, Managing Director, M/s. Nellimunda Granites and Sands Pvt Ltd. Olickal House, Vikas Nagar, Kalpetta, Wayanad, Kerala - 673121, vide application received on 25.03.2020, sought Environmental Clearance for the proposed Granite Building Stone Quarry in Re Sy No. 374/752 & 374/738, Valad Village, Mananthavady Taluk, Wayanad, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, the Field Inspection Report and the proof of application submitted for Wildlife Clearance. After the due appraisal, the SEAC in its 130th meeting recommended EC for a project life of 9 years with 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 Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan and then to extend the EC period to cover the 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 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. Since the quarry site is located within a distance of 10 km from Kottiyoor 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.*
 - 5. The maximum mine depth should be limited at 755m above MSL.*
 - 6. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
 - 7. Green belt should be developed all along the entire buffer zone in the first year itself and it should be nurtured and maintained*
 - 8. Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geo coordinates of the afforested place with photographs should be provided along with HYCR.*
 - 9. The overburden dump should be protected with gabion wall.*
 - 10. Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps at every 10m, siltation pond and outflow channel and it should be connected to the nearest natural drain.*

11. *Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
12. *The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
13. *The haulage road should be maintained well.*
14. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
15. *The Environment Management Cell (EMC) should include one subject expert qualified in environment science.*
16. *Geotagged photographs of the stream showing water turbidity during various season has to be submitted along with HYCR.*
17. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Wayamad and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
18. *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.*

19. *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.*
20. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
21. *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.*
22. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.31

**Environmental Clearance for the mining of Granite Building Stone Quarry of Sri. Jose Varghese for an extent of 0.7511 Ha in Sy. No. 5/1 of Alakode Village, Thodupuzha Taluk, Idukki, Kerala.
(SIA/KL/MIN/34543/2019, 1589/EC1/2020/SEIAA)**

Sri. Jose Varghese submitted an application for Environment Clearance via PARIVESH Portal on 18/06/2020, for mining of Granite Building Stone Quarry for an extent of 0.7511 Ha in Sy. No. 5/1 of Alakode Village, Thodupuzha Taluk, Idukki 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC

in its 130th meeting recommended EC with 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 the project life of 3 (three) 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 maximum mine depth should be limited at 130m above MSL.*
- 4. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.*
- 5. Green belt should be developed all along the entire buffer zone using indigenous species including climbers and herbs in the first year itself and it should be nurtured and maintained.*
- 6. No trees in the buffer zone should be removed*
- 7. A temporary wall connecting the boundary pillars BP3-BP4-BP5 should be provided in addition to the green belt.*
- 8. Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.*
- 9. The overburden dump should be protected with gabion wall.*
- 10. Garland drain should be laid covering the entire project area and it should be*

- provided with intermittent silt traps at every 10m, siltation pond and outflow channel and it should be connected to the nearest natural drain.*
- 11. Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
 - 12. The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.*
 - 13. The haulage road should be maintained well.*
 - 14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
 - 15. 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.*
 - 16. 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.*

17. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
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. *As and when the Marthoma granites, located adjacent to this quarry, with an area of 7.4590 Ha, which is under litigation at present, starts functioning, there will be a cluster situation and all the quarry operators in this cluster shall follow the directions contained in the EIA notification 2006 for operating quarries in the cluster.*
20. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.32

Environment Clearance for the Granite Building Stone Quarry of Sri. Biju Khan for an area of 0.9037 Ha in Re-Survey No.-214/1-1-1, 214/1-1-2, 214/2pt (Own Patta land) & Re-Sy.No.-214/1pt (Govt. Land) Pooyapally Village, Kottarakara Taluk, Kollam, Kerala (SIA/KL/MIN/43903/2019, 1548/EC2/2019/SEIAA)

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Item No.33

Environment Clearance for the Granite Building Stone Quarry of Sri. Biju Khan for an area of 0.5456 Ha in Re-Survey No.- 217/17pt (Patta land) & Re-Survey No.-214/1pt (Govt. Land) Pooyapally Village, Kottarakara Taluk, Kollam, Kerala. (SIA/KL/MIN/43937/2019; 1547/EC2/2019/SEIAA)

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 2, Pre-Feasibility Report, Mining Plan, NOC, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 130th meeting recommended EC for both the projects with the project life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

On deliberation, the Authority found that the government land included in both projects is contiguous with same survey number. If both projects are combined as a single project, the environment mitigation measures will be more effective. The Authority decided to obtain an explanation from the Project Proponent for proposing two different projects adjacent to each other even though the government land included in these projects is contiguous.

Item No.34

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri M. H. Abdul Nousad, for an area of 3.2299 Ha in Survey Nos. 158/1, 158/2, 158/3, 159, Venganellor Village, Thalappily Taluk, Thrissur District
(SIA/KL/MIN/ 275580/2022, File No.1397/EC2/ 2019/SEIAA)**

Sri M. H. Abdul Nousad, Moolayil House, Valavu-Mullurkkara P.O, Thrissur vide his online application and the hard copy received on 05/07/2019 sought Environmental Clearance under EIA Notification, 2006 for the granite building stone quarry project, for an area of 3.2299 Ha in Survey Nos. 158/1, 158/2, 158/3, 159 at Venganellor Village, Thalappily Taluk, Thrissur 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 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the proponent during appraisal, and the Filed Inspection Report. After the due appraisal, the SEAC in its 129th meeting recommended EC with 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 the project life of 5 (five) 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 a distance of 10 km from Peechi Vazhani Wild Life 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.*
- 5. Precautionary measures must be taken to prevent rolling down of boulders and erosion of soil from the northern flank towards the valley. Slope must be stabilized with Vetiver and by using vegetation.*
- 6. The traffic plan submitted should be strictly adhered to.*
- 7. 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.*

8. *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.*
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. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
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.

CONSIDERATION OF TOR PROPOSALS

Item No.1 **Environmental Clearance for the Granite Building Stone Quarry of Mr. Suresh Babu in Re Survey Nos. 1/9, 2/4A, 2/4B, Ottappalam- I Village, Ottapalam Taluk, Palakkad District - Conversion from ToR to EC
(SIA/KL/MIN/40632/2019; 1419/EC1/2019/SEIAA)**

Decision taken in the EC proposal, Part 1 Item No.29

Item No.2 **ToR for Granite Building Stone Quarry Project of M/s Iritty Constructions in Block No.71, Re-Sy Nos.1/396, 1/431, 1/432, 1/434 & 1/435, Nediyanaga Village, Taliparamba Taluk, Kannur District, Kerala
(SIA/KL/MIN/75758/2022) {1986/EC4/2022/SEIAA}**

M/s Iritty Constructions, Door No.17/137B, Uruvachal P.O, Kannur-670702 submitted an application for the approval of ToR in SEIAA through PARIVESH on 22.04.2022, for the proposed Granite Building Stone Quarry Project, for an area of 4.5449 Ha in Block No.71, Re-Sy Nos.1/396, 1/431, 1/432, 1/434 & 1/435 in Nediyanaga Village, Taliparamba Taluk, Kannur District, Kerala.

The Authority noted that the proposal was placed in the 130th SEAC meeting, the Committee examined the proposal, verified the documents submitted by the proponent and decided to approve Standard Terms of Reference along with certain additional studies.

The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study.

1. Probability of landslides and soil piping in the impact zone.

2. Detailed hydrological and hydro-geological characteristics of the impact zone
3. Digital Terrain Model of the study area

General Decision

1. Authority noticed that there is a component of CER in all Project proposals and in certain proposals there will be a component to raise Compensatory Afforestation. It is suggested to develop guidelines with the assistance expert members of SEAC for the implementation of these components so that tangible environment friendly assets can be created utilizing the provisions under these components. Environmental Scientist and Environmental officer in SEIAA Secretariat will prepare drafts and circulate among members of SEIAA and SEAC and put up a draft for the approval of SEIAA within 2 months.

Sd/-
Dr. H. Nagesh Prabhu IFS (Retd)
Chairman, SEIAA

Sd/-
Dr. V. Venu IAS
Member Secretary, SEIAA

Sd/-
Sri. K.Krishna Panicker
Member, SEIAA