

**MINUTES OF THE 120th MEETING OF THE STATE LEVEL
ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)
KERALA, HELD ON 25th & 26th NOVEMBER 2022 IN THE
CONFERENCE HALL, SEIAA KERALA.**

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 120th meeting of the SEIAA, Kerala was held on 25th & 26th November 2022 at the Conference Hall, SEIAA, Kerala, Thiruvananthapuram. The meeting started at 10.30 AM on 25th November 2022. Dr. H. Nagesh Prabhu, Chairman, SEIAA Kerala chaired the meeting. Dr. Venu V. IAS, Member Secretary, SEIAA and Sri. K. Krishna Panicker, Expert Member, SEIAA attended the meeting. The Authority considered the agenda for the 120th meeting and took the following decisions:

Physical Files

Item No.120.01 **Minutes of the 119th meeting of SEIAA held on 26th & 27th October 2022**

Noted.

Item No.120.02 **Action Taken Report on 118th meeting of SEIAA**

Noted.

Item No.120.03 **Environmental Clearance issued to Sri. Shamsudheen. M.P M/s. Darkstone Land Developers Pvt.Ltd in Sy. No. 1/1 (pt) of Ottappalam Village, Ottappalam Taluk, Palakkad, Kerala– Crl.M.C. No. 1232 of**

**2021- Judgment dated 1.12.2020 in WP (C) No.26042 of 2020 -
Revalidation of EC.
(File No. 705/SEIAA/KL/5657/2014)**

The Authority perused the item and observed that in the 119th SEIAA meeting it was decided to revalidate the Environmental Clearance for the project life of 12 years from the date of the original EC (25.10.2017). In the 120th SEIAA meeting the Authority examined the complaint forwarded by the District Collector, Palakkad dated 4.11.2022 and 18.11.2022. The Authority noticed that the District Collector, in his letter dated 18.11.2022, intimated that no adverse harmful effects of the proposed quarry was reported in the study reports of the MoEFCC, NIT, KSPCB and SEIAA and found that the proposed area is not vulnerable to landslides. The District Collector further informed that SEIAA may consider the matter for legal formalities.

In these circumstances, the Authority decided to adhere to its earlier decision held in the 119th meeting and inform the same to the District Collector and the Project Proponent.

Item No.120.04 Request for withdrawal of EC Revalidation application for the Granite Building Stone Quarry Project of Mr. Joseph Mathew in Pazhavangadi Village, Ranni Taluk, Pathanamthitta–Judgment dated 02.11.2020 in WP(C) No.17533/2020 (File No.808/EC4/2239/2015/SEIAA)

The Authority deliberated the item and noted the request of the Project Proponent dated 31.10.2022 to withdraw the application for EC revalidation. The Authority observed that the Project Proponent has applied for extension of EC via PARIVESH as Proposal No. SIA/KL/MIN/274007/2022 on 20/05/2022 in which EDS were sought and the reply for the same was received on 27/10/2022.

Authority decided to agree to withdraw the EC revalidation application as per the request of the Project Proponent and at his own cost. The Authority also opined that the

list of applications that were cancelled/withdrawn/rejected shall be forwarded to the Department of Mining & Geology for information and further action if any.

Item No.120.05 **Extension of Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. P. J. Jacob in Sy. No. 65, Anakkara Village, Pattambi Taluk, Palakkad (SIA/KL/MIN/232216/2021, 953/A2/2019/SEIAA)**

The Authority perused the item and noted the decision of the 133rd SEAC meeting regarding clarification on receipt of CCR from IRO, MoEFCC for the revalidation of Laterite Building Stone Projects. The Authority decided to direct SEAC to proceed further with the proposal. It is also decided that in the case of laterite stone/ordinary earth mining having more than 1 Ha or more than one year mine life, the Project Proponent should submit the Half Yearly Compliance Report in PARIVESH Portal with a copy to Integrated Regional Office, Bangalore. The SEIAA Secretariat shall also forward the copy of such ECs to IRO, MoEFCC.

Item No.120.06 **Application for Environmental Clearance for Building Stone Quarry project of M/s Vengunadu Granite and Sands Pvt. Ltd. in Block No. 22, Sy. Nos. 238/1, 238/2, 239/1, 239/2, 239/5, 239/6, 239/7, Muthalamada 1 village, Chittur Taluk, Palakkad (SIA/KL/MIN/39461/2019, 1546/EC1/2019/SEIAA)**

Deferred for seeking clarification from MoEFCC as decided in the 119th SEIAA meeting held on 26th & 27th October 2022.

Item No.120.07 **Application for ToR for the China Clay (Minor Mineral) Mining Project of M/s EICL Limited in Survey Nos. 177, 178, 179, 180, 241, 242, 181/21, 181/10, 182/3, 4, 5, 6, 10, 11, 12, 17, 183, 184, 240/2, 12, 13, 14, 229/14-1 (existing mine lease area of 14.5129 ha) and Survey Nos. 196/7, 10-5, 10, 10-2, 10-3, 245/1, 1-2, 1-3, 2, 3, 4, 5, 6, 16, 17 (proposed mine lease area of 1.0910 ha) in Veiloor Village, Thiruvananthapuram**

**Taluk, Thiruvananthapuram –Judgement dated 29.04.2022 in WP No.11630/2022 and WMP No. 11103/2022 filed before the Hon’ble High Court of Madras
(SIA/KL/MIN/67030/2021, 1926/EC1/2021/SEIAA)**

The Authority perused the item and noticed that SEAC in its 133rd meeting after verifying the procedures/ actions/ events in the EC/ToR application chronologically and recommended that ‘it is desirable to assess the application for EC by M/s. EICL under File No. SIA/KL/MIN/67030/2021, 1926/EC1/2021/SEIAA as per the OM dated 7.7.2021 on the SoP for identification and handling of violation cases under EIA Notification 2006 issued in compliance to Order of Hon. NGT in OA No. 34/2020. However, this may be done after obtaining legal opinion with respect to the OA No. 41/2017 (SZ), the total interim environmental damage assessed by the Sub Committee constituted by the Hon. NGT in OA No. 41/2017 and order of the Hon’ble HC of Madras in WP (C) 11630/2022 & WMP 11103 of 2022. The Committee also decided to request the SEIAA to seek legal opinion as stated above and provide further direction to the SEAC regarding the consideration of this application further.’

The Authority on detailed scrutiny it is observed that the Joint Committee constituted by Hon’ble NGT as per the Order dated 21.1.2020 in OA No.41/2017 assessed the total interim environmental damage as Rs.12,24,32,014/-. Vide WP(C) 11630/2022 & WMP 11103 of 2022, M/s EICL approached Hon HC of Madras seeking the direction to stay the operation of directions of Hble NGT and Hon High Court of Madras vide order dated 29.04.2022 directed NGT and all respondents to maintain status quo. SEIAA is fourth respondent in the case. Both the cases are still pending. The Project proponent also made a detailed presentation before the authority.

Authority decided to inform the Project Proponent that unless the cases pending before Hon HC of Madras and NGT are settled, his proposal cannot be processed further. Authority also decided to seek a specific legal opinion from the Standing Counsels of both in NGT and Hon HC of Kerala, whether the Authority can proceed with the new project proposal and appraise it as per OM dated 7.7.2021 on the SoP for identification and handling of violation cases under EIA Notification 2006.

Item No.120.08

**Validity period of Environmental clearance issued to
M/s. Bharananganam Industries –Reg
(File No. 62/SEIAA/KL/7683/2012)**

The Authority deliberated the item with the report of the District Geologist, Kottayam dated 16-09-2022 and observed that Environmental clearance was issued on 23.05.2013 without mentioning the validity period of EC. The Authority in the 77th meeting of SEIAA held on 28-11-2017, noted that the validity period was not recorded in some of the Environmental clearances issued earlier by SEIAA due to oversight. In such cases Authority decided that the validity period of the EC would be five years from the date of issue. Accordingly, the validity period of this project had expired on 22.05.2018. As per the report of the District Geologist, the movement permit was not issued after the receipt of the decision of 113th SEIAA meeting.

Under the circumstances, Authority decided the following:

- 1. To intimate the District Geologist, Kottayam not to issue the permit/lease to the M/s Bharananganam Industries since the validity of the EC has already been expired.**
- 2. To inform the Director, Mining & Geology that validity period will be five years for all such environmental clearances issued without specifying validity period. Department of Mining & Geology shall not issue permit/lease to such cases without revalidating the EC.**
- 3. To directed such EC holders to apply for revalidation/ extension/ afresh EC as the case may be and notify the same in the website of SEIAA for the information of such EC holders.**

Item No.120.09

**Complaint received from RQP Sri. Reghunadh K., against the
misuse of his RQP Certificate and Signature
(File No: 2230/EC3/2022/SEIAA)**

The Authority examined submission of Sri. Reghunath K, RQP alleging that some Project Proponents have misused his RQP Certificate and signature without his consent fraudulently. He

has also alleged that they had used fake postal code in their addresses and have not mentioned the telephone numbers for not revealing their identity. The Authority verified the report of the committee entrusted as per the decision of the 118th SEIAA and the hearing note submitted by the petitioner and the Project Proponent and found that the following project proposals were submitted with forged details of Sri. K Reghunath, RQP without his knowledge

Proposal No: SIA/KL/MIN/229543/2021; File No: 2018/EC3/2022/SEIAA

1. Proposal No: SIA/KL/MIN/229745/2021; File No: 2017/EC3/2022/SEIAA

2. Proposal No: SIA/KL/MIN/229743/2021; File No: 2016/EC3/2022/SEIAA

As recommended by the committee and as per the deliberation held in the meeting, the Authority decided the following:

- 1. To issue stop memo with immediate effect and issue show cause notice for cancellation of the EC issued to the above said projects under clause 8 (vi) of EIA notification 2006, for submitting the forged documents.**
- 2. The Authority also decided to issue show cause notice to RQP as to why it should not be recommended to Department of Mining & Geology for cancellation of his registration for inefficient management of his office leading to forgery. In his explanation he should also specify the action taken by him against his delinquent staff.**
- 3. Intimate the Department of Mining & Geology to take appropriate action against the RQP of the above said projects for the gross mismanagement of his office leading to large scale forgery.**

Item No.120.10

Environmental Clearance to Sri. Paul Varghese for M/s. Kizhakkambalam Granites Kerala, M/s. Cement Bricks & Allied Industries / M/s. Kizhakkambalam Granites for the Quarry Project in Sy. No. 324/4(P), 324/5(P) & 325/15(P), Pattimattom Village, Kunnathunadu Taluk, Ernakulam, for M/s. Cement Bricks & Allied Industries and 317/2, 317/4 & 324/5(P) Pattimattom Village, Kunnathunadu Taluk, Ernakulam- 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 item and examined the reply submitted by the Project Proponent dated. 24.10.2022 to the show cause notice issued on 01.10.2022, as decided in the 117th SEIAA meeting. Instead of explaining the non-compliance of EC conditions, the Project Proponent has informed that he is not interested in the revalidation of EC as he has decided to wind up quarrying activity in the said property and the quarrying operation was discontinued since May 2022. Authority observed the non-compliance of EC conditions reported by the Sub-Committee during their field inspection seriously. The SEIAA has already intimated the Department of Mining & Geology to take action for violation under KMMC Rules.

Under these circumstances, the Authority decided the following:

- 1. Cancel the EC with immediate effect explaining in detail the irregularities committed due to violation of EC conditions.**
- 2. SEAC shall assess the Environmental Damages caused due to the violation of EC conditions and inform the same to Department of mining and Geology to recover the same along with other penalties under KMMCR 2015.**
- 3. SEIAA Secretariat shall take action for registering a case against Sri. Paul Varghese at Pattimattom Village, Kunnathunadu Taluk Ernakulam as per as per section 15 (i) of the EP Act 1986 for violation of EC conditions.**
- 4. The new proposal of the Project Proponent shall not be considered for appraisal till punitive actions are taken as stated above for the violation of EC conditions.**

Item No.120.11

Environmental Clearance to M/s Puravankara Projects Limited for the Residential Project (“Marine View at Marine Drive”) at Plot No. D4 & D5 in Sy. No. 843 pt. at Ernakulam Village, Kochi Municipal Corporation, Kanayannur Taluk, Ernakulam District - Request for obtaining clarification with respect to the Validity of EC as per the Amendment to EIA Notification (2006) dated 12-04-2022 - Extension of Validity of EC-Reg.

(File No. 275/SEIAA/KL/1278/2014)

The Authority perused the item and noted the Amendment of EIA Notification 2006 dated 12-04-2022 of MoEFCC regarding the extension of the validity of EC. The Authority

observed that the Environmental Clearance for the Residential Project (“Marine View at Marine Drive”) was issued on 29-12-2015 under Category 8(b) and the validity period of the EC was till 28-11-2022 as per EC. As per the Amendment of the MoEFCC dated 12.4.2022, the Authority agreed to the request of the proponent and decided to inform that the validity of EC stands extended as stipulated in the Amendment.

Item No.120.12 **Environmental Clearance issued to the Granite Building Stone Quarry Project of Sri. Sabu Varghese, Managing Partner, M/s Kuriakose Granites at Block No.41, Re- Survey Nos: 298/4, 298/18, Thiruvaniyoor Village, Kunnathunadu Taluk, Ernakulam, Kerala- Judgment dated 14-11-2022 received on 16-11-2022 in WP(C) No. 32174 of 2022.**
(SIA/KL/MIN/129061/2019; File: No. 1531/EC3/2019/SEIAA)

The Authority perused the item and noticed that the Environmental Clearance was issued on 23/07/2022 for the Granite Building Stone Quarry Project of Sri. Sabu Varghese, M/s St. Kuriakose Granites. As per the Judgment dated.14.11.2022 of the Hon’ble High Court in WP(C) No.32174 of 2022 filed by Sri. KP Joey, the Hon’ble Court directed SEIAA to inspect the quarry of the Respondent no. 5 and report as to any violation regarding the EC Certificate within a period of one month from the date of Judgment(i.e, before 13.11.2022).

Under the circumstances, the Authority decided to intimate the Chairman, SEAC to conduct the site inspection as directed by the Hon’ble High Court, and submit the report before SEIAA on or before 6th December 2022. The SEIAA Secretariat shall submit the report to the Standing Counsel before 8th December after circulating the same in the SEIAA.

The Authority also decided to file an extension petition of two months’ time for complying with the Court direction if required. Legal officer in SEIAA to follow up the case.

Item No.120.13 **Environmental Clearance for the Ordinary Earth Mining project of Sri. Mathew P M, for an area of 0.7186 hectares at Survey No.338/1A/17C of Keerampara Village, Kothamagalam Taluk, Ernakulam District, Kerala**

(SIA/KL/MIN/234374/2021; File No: 2028/EC3/2022/SEIAA)

The Authority perused the item and noticed that the SEAC in its 133rd meeting decided to seek the direction of SEIAA on the applicability of Clearance from NBWL for extraction of ordinary earth which is done as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha.

The Authority decided to intimate SEAC to follow the common decision followed till date.

Item No.120.14 Environmental Clearance for the Ordinary Earth Removal project of Sri. Muhammed K. P., for an area of 0.2830 Ha. at Block-34, Re-Sy No. 215/10-6,7 of Pattimattom Village, Kunnathunad Taluk, Ernakulam, Kerala
(SIA/KL/MIN/267633/2022; File No: 2026/EC3/2022/SEIAA)

The Authority perused the item and noted the decision of SEAC in its 133rd meeting held on 11th to 13th October 2022. The Authority examined the proposal in detail and noted the observation of SEAC which states that “as per existing directions and regulations, environmental clearance cannot be considered for the project. However, there is a house under construction located just adjacent to the vertical face of the hill and the removal of earth from that portion is necessary to safeguard the structure. It is also reported that during the interactions in the field that the house is constructed as part of the LIFE scheme sponsored by the Government for the poor. It is desirable to remove the earth right from the boundary of the hill to a maximum thickness of 5m at the vertical face region (without leaving a berm) and with reducing thickness towards upper slope with 1m thickness at upper slope region of the proposed project site at the end of the proposed project area”.

Under the circumstances, the Authority decided to inform SEAC that the EC can be recommended by adopting measures for slope stability. The mining shall be limited to the quantity, which is necessary to safeguard the structure. The mining activity should not affect the construction near the area. The general slope and drainage system are to be

preserved. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.

Item No.120.15 **Environmental Clearance to Sri. Sibish Augustine for the granite building stone quarry project in Re.Sy.Nos.264/1, 295/6, 296/3, 296/4, 296/5, 297/1 at Vayakkara Village, Payyannur Taluk, Kannur, Kerala–Complaint received.
(SIA/KL/MIN/171276/2020, 1389/EC2/2019/SEIAA)**

The Authority perused the item and noted that the Environmental Clearance was issued to Sri. Sibish Augustine, S/o K. J. Augustine, Kandathil House, Prapoyil P.O, Kannur as per order No. 1389/EC2/2019/SEIAA dated 11.07.2022 initially for a period of five years, for the quantity mentioned in the approved Mining Plan and then to extend the EC period to cover Project Life of 10 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years. The Authority verified the contents of Letter No. DCKNR/10843/2022-DM6 dated 19.10.2022 received from the District Collector, Kannur and deliberated that the EC for the project was issued after observing all the formalities including field verification.

Under the circumstances, the Authority decided to inform the above position to District Collector, Kannur and also decide to inform the District Collector that as the Chairman of District Disaster Management Authority if he is of the opinion that the mining is likely to affect the project adversely, he shall forward a specific recommendation for cancellation of EC with supporting data/evidences, for further necessary action by SEIAA.

Item No.120.16 **Environmental Clearance to M/s Kinalur Rock Sand for the granite building stone quarry project in Re.Sy.No.109 at Kinalur Village, Thamarassery Taluk, Kozhikode District, Kerala- Judgment dated 30.09.2022 in WPC No.29274/2021.
(File No. 1393(A)/EC2/2019/SEIAA).**

The Authority deliberated the item with the Judgment dated 30.09.2022 in WP(C) No.29274/2021, observed that the Environmental Clearance was issued to Sri. Vishnu Sukumaran, Managing Partner, M/s Kinalur Rock Sand, as per order No. 1393(A)/EC2/2019/SEIAA dated 23.09.2021 for the period of five years from 23.09.2021 subject to one of the conditions that the petitioner should obtain a clearance from the Standing Committee for National Board for Wild Life (SCNBWL) in terms Office Memorandum dated 08.08.2019 before commencing quarrying operation since the project area is located within 10 km radius of the Malabar Wildlife Sanctuary. The Hon'ble Court quashed the above said condition on the basis of the observation that '*Judgment dated 27.07.2022 in another WP (C) No.19710/2022, ordered that the directions given by the Hon'ble Apex Court would show that if wider buffer zone beyond one kilometre is proposed under any statutory instrument for a particular National Park or Wildlife Sanctuary awaiting final decision in that regard, then till such final decision is taken, the ESZ covering the area beyond one kilometre as proposed shall be maintained.*

The directions at paragraph 44(h) would show that in respect of Sanctuaries or National Parks for which the proposal of a State or Union Territory has not been given, the 10 Kilometres buffer zone as ESZ, as indicated in the order passed by the Apex Court on 4th December 2006 in the case of Goa Foundation v. Union of India [(2006 (4) KLT Online 1110 (SC)] and also contained in the Guidelines of 9th February 2011 shall be implemented.

The directions of the Apex Court contained in paragraph 44(p) would show that in the event there is any subsisting order of any High Court or any Court Subordinate to such High Court covering any of the issues dealt with by the Apex Court in the order, then the order of the Apex court shall prevail over any such order which is contrary to the directions.

The authority observed that as per O M of MoEFCC dated 8th August 2019 it is mentioned that;

- (i) Proposals involving developmental activity/project located outside the stipulated boundary limit of notified ESZ and located within 10 km of National Park/ Wildlife Sanctuary, prior clearance from Standing Committee of the National Board for Wildlife (SCNBWL) may not be applicable. However, such proposals

from environmental angle including impact of developmental activity/project on the wildlife habitat, if any, would be examined by the sector specific Expert Appraisal Committee and appropriate conservation measures in the form of recommendations shall be made. These recommendations shall be explicitly mentioned in the environmental clearance letter and shall be ensured by the member secretary concerned.

- (ii) Proposals involving mining of minerals within the ESZ (or) one kilometer from the boundaries of National Parks and Sanctuaries whichever is higher is prohibited in accordance with the order of the Hon'ble Supreme Court dated 4.08.2006 in the matter of T.N. Godavarman Thirumulpad Vs. UOI in W.P.(C) No. 202 of 1995 and dated 21.4.2014 in the matter of Goa Foundation Vs. UOI in W.P.(C) No.435 of 2012. Final notification of buffer zones around Wild Life Sanctuaries and National Parks of Kerala is not issued by the MoEF &CC till date.

As per OM of MoEFCC dated 16 July 2022, it is also mentioned that 'proposals involving activity/project located within 10 km of National Park/Wildlife Sanctuary wherein ESZ has not been finally notified and listed in the Schedule of the EIA notification 2006 and requiring EC, prior clearance from Standing Committee of the National Board for Wild Life will be obtained.

Under these circumstances, the Authority decided that the Project Proponent must obtain the mandatory Wildlife Clearance before initiating the mining activity. Authority decided to file a Review Petition/ Appeal on the order of the Hon'ble High Court with immediate effect. The Legal Officer, SEIAA shall take necessary steps to file the same on emergency basis.

Authority also decided to forward a copy of high court order to Secretary, MoEF&CC with a request to file review petition on priority as the direction of the MoEF&CC has been quashed which is likely affect adversely the management of National Parks and Sanctuaries in the state.

**Item No.120.17 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, in Kolavallur Village, Kuthuparamba Grama Panchayt, Thalassery Taluk, Kannur-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 item and noted the representation of the Project Proponent dated 10.11.2022 requesting to revalidate the EC for an area of 4 Ha for which the original EC issued on 01.06.2016 comprised in Sy.No.86/2, 87, 88/2, 88/3, 88/1, 89/2B, 147/2, 139/1. The Authority also noted that SEAC in its 130th SEAC meeting held on 04th to 06th July 2022 recommended the project for revalidation of EC for the project life of 13 years from the date of original EC subject to certain additional specific conditions in addition to the specific conditions in the original EC. The Authority also noted that the original EC was issued for an area of 4 Ha and the Mine Plan considered for the issuance of that EC was for an area of 4 Ha.

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

Authority decided to revalidate the EC initially for a period of 5 years for the quantity mentioned in the approved Mining Plan and extend the EC period to cover Project life of 13 years, from the date of issuance of original EC i.e. 01.06.2016., subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has caused any damage to the Environment in the Project Region by violating any EC conditions.

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

1. The benches provided are inappropriate at places which need immediate correction and geo-tagged photographs of the same should be submitted.
2. Buffer zone at many stretches is encroached for laying roads. Roads should be shifted from the buffer zone and the entire buffer zone along with the project area should be

protected with fencing and geo-tagged photographs of different stretches of the buffer zone should be submitted

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 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.

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.

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

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

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

Item No.120.18 **Environmental Clearance issued to M/s Nellikkunnu Granites & Crushers Pvt. Ltd at Sy. Nos. 523/1PT, 571/1PT, 567PT, Maruthonkara Village, Vadakara Taluk, Kozhikode- WP (C) No.14270/2021 filed by Sri. Hameed Chruveri, - Revalidation of EC. (File No.539/SEIAA/EC4/3882/2014)**

The Authority perused the item and noticed the decision of various SEAC meetings. The Committee in its 133rd meeting recommended the revalidation of EC with a total project period of 20 years from the date of issuance of original EC i.e. 15.12.2015 subject to certain specific conditions in addition to specific and general conditions issued earlier.

The Authority noticed that the project area is more than 5 Ha and as per the Directions of NGT dated 13.9.2018 in OA No 186/2016 and 6 other OAs, an EIA study and Public Consultations have to be carried out for consideration of the proposal.

Authority decided to inform the Project Proponent to apply ToR for the EIA study and Public Consultations. The Authority also decided to extend the validity of the EC for a period of one year from the date of issue of the order to complete the procedures for the submission of application including Public Consultation.

**Item No.120.19 Environmental Clearance issued by DEIAA, Malappuram for the quarry project in Re.Sy. Nos. Q02-1065/pt in Melmuri Village, Eranad Taluk, Malappuram District, Kerala by Sri. Muhammed Ibrahim – Judgment dated 09.02.2021 in WP(C) No.3314 of 2021 - Revalidation of EC.
(File No.395/EC6/2021/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 IRO, MoEF& CC, Bangalore. The SEAC in its 133rd meeting has recommended the revalidation of EC with the project life of 12 years from the date of original EC i.e., 31.08.2017 subject to certain additional specific conditions in addition to the specific conditions and general conditions in the original EC.

Authority decided to revalidate the EC initially for a period of 5 years for the quantity mentioned in the approved Mining Plan and extend the EC period to cover Project life of 12 years, from the date of issuance of original EC 31-08-2017. The revalidation is subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has caused any damage to the Environment in the Project Region by violating any EC conditions.

- 1. EC shall be issued only after submitting the geo-tagged photographs of the relocation of road from the buffer zone**

2. Proper benches as per the EC conditions needs to be maintained and slope of the quarry face should be maintained within 45°.
3. Compensatory afforestation should be carried out to compensate for the lack of vegetation in the rocky areas of the buffer zone. Geotagged photographs of the site where compensatory afforestation is done and nurtured should be submitted along with the Half Yearly Compliance Reports (HYCR).
4. The garland canal, silt traps, siltation pond and outflow channel covering the entire project area should be provided with immediate effect. The outflow channel should be connected to the nearest natural drain.
5. The proponent should periodically clean and maintain the garland canal, silt traps, siltation pond, outflow channel and connected drains and geo-tagged photographs of the activity should be submitted along with Half Yearly Compliance Reports.
6. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
7. The overburden material should be stored at the designed place and the height of the retaining wall should be raised appropriately for protecting the overburden stock.
8. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR
9. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
10. Adequate sanitation, waste management and rest room facilities should be provided to the workers
11. Adequate energy conservation measures should be implemented including solar power installations
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. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.120.20 **Environmental Clearance for the Quarry Project of Sri. Shibu Pynadath John, Managing Director, M/s Pynadath Granite Pvt. Ltd. in Sy. Nos. 2066/1, 2067/2, 2063, 2057, 2056/2, 3 and 2067/1 at Kuttichira Village, Kodassery Panchayath, Chalakkudy Taluk, Thrissur, Kerala – Judgment dated 18.11.2020 in WP(C) No.24278 of 2020 - Revalidation of EC.**
(File No. 606/SEIAA/ EC1/4633/2014)

The Authority perused the item and examined the hearing notes submitted by the complainants and noticed that there is no valid reasons to deny the revalidation of the proposal. Most of the complaint were raised before the field inspection of SEAC and CCR. Both SEAC and IRO, Bangalore gave satisfactory reports on the functioning of the quarry Authority noted the contents of the hearing note submitted by Sri. Sunil Karapadam on 27.10.22 and submissions of Adv. Ijlal representing Sri Rappai that he has already submitted all required details on 3.2.21 and he has nothing more to offer..

The Authority observed that the project is in proximity to Peechi Vazhani Wild Life Sanctuary and hence decided to direct the proponent to submit the Certificate from the Wild Life Warden to show the distance of the quarry to the said Sanctuary. The EC shall be issued after the receipt of the same as per the recommendation of SEAC in its 131st meeting.

Authority decided to revalidate the EC initially for a period of 5 years for the quantity mentioned in the approved Mining Plan and extend the EC period to cover Project life of 11 years, from the date of issuance of original EC i.e 17/2/2016 subject the following additional specific conditions in addition to the Specific and General Conditions already issued. The revalidation is subject to the review by SEAC at the end of five years,

to verify whether the Project Proponent has caused any damage to the Environment in the Project Region by violating any EC conditions.

- 1. The proponent to submit the Certificate from the Wild Life Warden Peechi to show the distance of the quarry to the said Peechi Vazhani wild life Sanctuary is more than 10 KMs.**
2. Green belt along the buffer zone should be strengthened by planting more suitable indigenous species of trees in the first year itself.
3. Compensatory afforestation should be carried out to compensate for the lack of vegetation in the rocky areas of the buffer zone.
4. The garland canal, silt traps and outflow channel covering the entire project area should be provided with immediate effect. The outflow channel should be connected to the nearest natural drain.
5. The proponent should periodically clean and maintain the garland canal, silt traps, outflow channel and connected drains and geo-tagged photographs of the activity should be submitted along with Half Yearly Compliance Reports.
6. The discharge of the over flow water from the siltation pond to the nearby natural drain should be done only after adequate filtration
7. The overburden material should be stored at the designed place and the height of the retaining wall should be raised appropriately for protecting the overburdened stock.
8. The ultimate depth of mine should be limited to 30m above MSL.
9. The height and width of the benches should be corrected to maintain the slope.
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. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.120.21 **Environmental Clearance for the Granite Building Stone Quarry Project in Sy Nos. 1 of Kannamangalam Village, Tirurangadi Taluk, Malappuram, Kerala. – Judgment dated 08.07.2021 in WP(C) No.13553 of 2021 - Revalidation of EC.**
(File No.1831/EC6/2021/SEIAA)

The Authority deliberated the item and noted the decisions of the previous SEIAA/ SEAC meetings. The Authority observed that Environmental Clearance was issued by DEIAA Malappuram on 13.04.2018 to M/s. EKC Granites. The validity expires on 12.04.2024 (after Covid relaxation). In the 126th meeting of SEAC held on 11th to 13th April 2022, the Committee recommended cancellation of the EC, issue stop memo and initiate violation procedure due to the non-submission of documents for revalidation and the non-compliance of the EC conditions by the Project proponent. Also the IRO MoEFCC, Bangalore rejected the application of the Project Proponent for CCR due to the serious non-compliance of EC conditions. It is also intimated in the letter from the IRO, MoEFCC that the proponent has not submitted any of the HYCR and hence violated the EC conditions. Till date the proponent neither submitted the compliance reports of the EC conditions nor he submitted the documents for revalidation of EC as directed by the Authority in its 114th meeting.

In the above circumstances, the Authority viewed the derelictions of the Project Proponent seriously and decided the following:

- 1) Issue a stop memo to the Project Proponent.**
- 2) Issue a show cause Notice for cancellation of EC.**
- 3) Direct Department of Mining &Geology to take action for violation under KMMC Rules quoting the above observations.**
- 4) The proponent should submit the explanation for the Show Cause Notice within 30 days from the date of notice.**

Item No.120.22 **Suggestions by an RQP regarding Processing of `PARIVESH` files-reg.**
(File No. 2607/A1/2022/SEIAA)

The Authority verified the representations of the RQPs and decided to constitute a committee under the Chairmanship of Chairman SEAC with one or two SEAC members of his choice, Environmental scientist, NIC Parivesh representative and SEIAA official who deals with EC files in SEIAA, The committee shall study the observations made by RQPs and make suitable recommendation on the following:

1. Infrastructure required in SEIAA and SEAC for the efficient and speedy handling of EC proposals for taking up the same with GOK.
2. Use of readily available field tested latest technologies for the speedy disposal of proposals.
3. Recommendations of the RQPs those can be considered for implementation with immediate effect.
4. Any other recommendation which committee feels appropriate for the speedy disposal of proposals.

Item No.120.23 **EC issued to the Granite Building Stone quarry of M/s. Delta Aggregates & Sands Pvt. Ltd. for an extent of 3.7691 Ha. in Survey. Nos. 889/1-15-1 & 889/1-15, Perunad Village, Ranni Taluk, Pathanamthitta, Kerala- Interim order dated 25.10.2022 in WP(C) No.33896 of 2022 filed by M/s. Delta Aggregates & Sands Pvt. Ltd (SIA/KL/MIN/163854/2020; 1773/EC1/2020/SEIAA)**

Deferred for seeking clarification from MoEFCC as decided in the 119th SEIAA meeting held on 26th & 27th October 2022.

Item No.120.24 **Environmental Clearance for the Granite Building Stone Quarry of Shri. Pradeep. N. S, Managing Partner, M/s. K L Granites in Re-Sy Block. No:35, Re-Sy. Nos. 368/3, 368/4, 374/3 (Patta Land) & 369/1 (Government land), Pulimath Village, Chirayinkeezhu Taluk, Thiruvananthapuram – Rejection proceedings issued order dated 09.02.2021 - Judgment dated 02.09.2022 in WP(C) No. 13746 of 2021 (SIA/KL/MIN/43756/2019 , 1454/EC1/2019/SEIAA)**

As intimated by the Authority based on the Judgment of the Hon'ble High Court of Kerala dated 02.09.2022 in WP(C) No. 13746 of 202, Shri. Pradeep. N. S, Managing Partner, M/s. K. L. Granites, with Adv. Gigimon Issac attended for hearing before the Authority. The Advocate with due authorisation explained their averments on the decision of the SEAC/SEIAA regarding cancellation of EC. The Authority observed that the 106th SEIAA meeting, the Authority rejected the proposal for Environmental Clearance as per the recommendation of SEAC in its 116th meeting. The rejection order was issued dated 09.02.2021. After hearing, the Authority directed the Project Proponent to submit a detailed hearing note within 7 days with necessary supporting documents to substantiate the Project Proponents claims. The proposal shall be placed before SEIAA on priority.

Item No.120.25 **Environmental Clearance to Mr. Saji Vadakkekara for the Proposed Building Stone Quarry Project M/s Planters Aggregates in Re-sy No. 168, Karukutty Village & Karukutty Grama Panchayat, Alwaye Taluk, Ernakulam, Kerala State - Judgment dated 11-09-2021 in WP (C) 16230 of 2021 filed by M/s Planters Aggregates- Revalidation of EC.**
(File No. 1065/SEIAA/EC3/1912/2016)

As intimated by the Authority Sri. Saji Vadakkekara, M/s Planters Aggregates, attended for hearing before the Authority. After hearing the Authority directed the Project Proponent to submit a detailed hearing note within 7 days with necessary supporting documents to substantiate his claim. The proposal shall be placed before SEIAA on priority.

Item No.120.26 **Petition submitted by All Kerala Crusher Owners Association on various issues faced by the Quarry Industry.**
(File No:2880/A1/2022/SEIAA)

The Authority considered the representation and decided to get remarks from the SEAC and Department of Mining and Geology.

Item No.120.27**Poringalkuthu Small Hydro Electric Project (Stage - II)
(24MW) - Exemption from seeking Prior Environmental
Clearance - reg.
(File No: 2757/A1/2022/SEIAA)**

The Authority deliberated representation of the Chief Engineer (Civil - Investigation & Construction Central) KSEB, seeking permission to exempt the expansion of Poringalkuthu Small Hydro Electric Project (Stage II) to the tune of 24MW from the purview of obtaining prior Environmental Clearance. The Authority observed that after expansion the installed capacity of the project would be 76 MW. Installation of Hydro Electric Power generation/ its expansion is a scheduled activity as per the EIA Notification 2006. As per EIA Notification 2006, Schedule, Activity 1 (c)-River Valley Projects < 100 MW \geq 25 MW Hydro Electric Power generation is a category `B` activity. Hence exemption of Environmental Clearance under the provision of existing OMs dated. 23.11.2016 & 16.01 is not applicable here. In this circumstances, the Authority decided to direct the proponent to submit ToR for the project for conducting EIA study to obtain the prior EC.

Item No.120.28**Environmental Clearance for the proposed expansion of the Mixed Land Use (Master Plan) project by M/s Dragonstone Realty Pvt. Ltd. at Technopark Phase-3 Campus in Re-Sy. Nos. 290/2 part & others, Attipra Village, Thiruvananthapuram Taluk, Thiruvananthapuram. SIA/KL/MIS/52546/2018, 1202/EC2/2018/SEIAA.**

The Authority deliberated the item with the queries raised by the Standing Counsel of SEIAA in O.A.54/2021. The Authority decided to entrust the Legal Officer to provide the required details sought by the Standing Counsel to defend the case as and when it comes for hearing.

Item No.120.29**Rectification of Geo coordinates in the EC issued from DEIAA, Palakkad to the Building Stone Quarry Project of Sri.K.M.Jalal in Re.Sy.No.35/2 in Erimayur 1 Village, Alathur Taluk, Palakkad District (File No.2929/EC1/2022/SEIAA)**

The Authority deliberated the item and noted the request of Sri. K M Jaleel for the rectification of Geo co-ordinates in the EC issued from DEIAA, Palakkad to the Building Stone Quarry Project in Re.Sy.No.35/2 in Erimayur 1 Village, Alathur Taluk, Palakkad. The Project Proponent also provided the letter dated 14.11.2022 of the Geologist, Palakkad reported that there is a change in the Geo-coordinates in the Mining Plan and the actual coordinates.

The Authority decided that SEAC shall verify and submit the report considering the veracity of the submission of the Project Proponent on the basis of the proximity to the forest area. The concerned Divisional Forest Officer may also be requested to attend the inspection.

PARIVESH FILES

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Abdul Majeed, Managing Partner & Authorized Signatory, M/s. Manjeri Blue Metals for an area of 0.4998 Ha in Survey No.310/14, 311/12 in Kavanur Village, Ernad Taluk, Malappuram, Kerala
(SIA/KL/MIN/130330/2019; 1924/EC6/2021/SEIAA)**

Sri.Abdul Majeed, Managing Partner & Authorized Signatory, M/s. Manjeri Blue Metals, Amayur P.O, Malappuram submitted an application for Environmental Clearance through PARIVESH on 20.07.2021 for the Granite Building Stone Quarry Project for an area of 0.4988 Ha in in Survey No.310/14, 311/12 in Kavanur Village, Ernad Taluk, Malappuram 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, and the Evaluation Report. After the due appraisal, the SEAC in its 133rd 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*

3. *Development of green belt should be initiated prior to the commencement of mining operation.*
4. *Compensatory afforestation should be initiated prior to the commencement of mining.*
5. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
6. *Garland drain, silt-traps, siltation ponds, and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
7. *Gabion wall of appropriate height should be provided at the overburden dumping site.*
8. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
9. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
10. *The haulage road should be maintained well with frequent sprinkling.*
11. *Adequate sanitation, waste management and restroom facilities should be provided to the workers.*
12. *Adequate energy conservation measures proposed should be implemented including solar power installations.*
13. *Adequate slope stabilization measures should be undertaken in areas with steep slopes.*
14. *The proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
15. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
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 the 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 MoEFCC, 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.2

**Environmental Clearance to Smt. K. Reema, M/s Kudiyanmala Granites for the Proposed Granite Building Stone Quarry Project in Re.Sy.No.292/1A in Naduvil Village, Taliparamba Taluk, Kannur, Kerala
(SIA/KL/MIN/131195/2019 1577/EC3/2019/SEIAA)}**

Smt. K. Reema, Director, Kudiyanmala Granites, Malabar Villa, Irikkur P.O, Kannur submitted an application through PARIVESH on 14.12.2019 for Environmental Clearance in SEIAA for the proposed Granite Building Stone Quarry Project for an area of 0.8893 Ha, in Re.Sy.No.292/1A in New Naduvil Village, Taliparamba Taluk, Kannur, Kerala.

The Authority noted the action taken by SEAC in its 115th, 126th, 128th, 131st & 133rd meetings held on different dates. The Committee in its 133rd meeting decided to reject the proposal based on the Precautionary Principle due to the following reasons.

- The site is located at the mid-slope region of a very steep hill range of height 750m above MSL. The slope of the project site is also extremely steep.
- The proximity of the proposed site to the High Hazard Zone indicates that the hazard potential of the site is extremely high.
- The boulders of moderate size spread over the project area enhances the accident potential.

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

Item No.3

**Environmental Clearance for the Building Stone Quarry Project of Sri. A M Chackochan in Re-Sy. Nos. 272/3, 272/4, 272/5, of Elamadu Village, Kottarakara Taluk, Kollam, Kerala
(SIA/KL/MIN/132154/2019, 1618/EC2/2019/SEIAA)**

Sri. A. M. Chackochan, submitted an application for Environmental Clearance *via* PARIVESH Portal on 14.03.2020, for the mining of Granite Building Stone Quarry, for an area of 0.7969 Ha. in Re-Sy Nos. Re-Sy. Nos. 272/3, 272/4, 272/5 of Elamadu Village, Kottarakara Taluk, Kollam, 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 Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133rd 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Development of green belt should be initiated prior to the commencement of mining operation.*
- 4. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 6. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
- 7. Gabion wall of should be provided at the overburden dumping site.*
- 8. **There will be five working quarries within 500 m radius. Hence a time schedule must be prepared by the project proponent for blasting and transportation of materials from these quarries, to avoid simultaneous blasting and traffic congestion. Copy of the time schedule must be made available to SEIAA, District Officer, Mining & Geology, local police station and Grama Panchayat.***
- 9. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
- 10. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*

11. *The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling.*
12. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
13. *Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office.*
14. *The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
15. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
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 MoEFCC, 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.

The Authority also decided to forward the complaint from Sri Ashraff Mohammed to the District Collector, Kollam for further necessary action.

Item No.4 Environmental Clearance for the Building Stone Quarry project of Sri. A. M. Chackochan in Re-Sy. No. 244/2, of Elamadu Village, Kottarakara Taluk, Kollam, Kerala (SIA/KL/MIN/135534/2020, 1677/EC2/2020/SEIAA)

Sri. A M Chackochan, submitted an application for Environmental Clearance via PARIVESH Portal on 28.05.2020, for the mining of Granite Building Stone Quarry, for an area of 0.3615 Ha. in. Re-Sy. No. 244/2 of Elamadu Village, Kottarakara Taluk, Kollam, 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 Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133rd 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments*

thereby.

- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Development of green belt should be initiated prior to the commencement of mining operation.*
- 4. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 6. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
- 7. Gabion wall of should be provided at the overburden dumping site.*
- 8. **There will be five working quarries within 500 m radius. So schedule must be prepared for blasting and transportation of materials from these quarries to avoid simultaneous blasting and traffic congestion. Copy of the schedule must be made available to SEIAA, District Officer, Mining & Geology, local police station and Grama Panchayat.***
- 9. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
- 10. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 11. The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling.*
- 12. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
- 13. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*

14. *The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
15. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
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 MoEFCC, 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 the 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.*

The Authority also decided to forward the complaint from Sri Ashraff Mohammed to the District Collector, Kollam for further necessary action.

Item No.5 **Environment Clearance for Granite Building Stone Quarry project of Sri. Maneesh P Mohanan” over an extent of 0.8586 Ha. (2.1216 Acres) at Sy. Nos. 476/1/15, 476/1/15, 477/2, 477/2/2, 477/2/4, Thirumarady Village, Muvattupuzha Taluk, Ernakulam, Kerala (SIA/KL/MIN/139351/2020; File No: 1714/EC3/2020/SEIAA)**

Sri. Maneesh P. Mohanan, submitted an application for Environmental Clearance via PARIVESH Portal on 28/01/2020, for the mining of Granite Building Stone Quarry, for an area of 0.8586 Ha. at Sy. Nos. 476/1/15, 476/1/15, 477/2, 477/2/2, 477/2/4, Thirumarady Village, Muvattupuzha Taluk, Ernakulam, Kerala.

The Authority noted the action taken by SEAC in its 130th, 131st & 133rd meetings held on different dates. The Committee in its 133rd meeting, from google imagery, observed that there is a built structure at a distance of 20m which is confirmed during the presentation. In the survey map, the structure is classified as a site office which is incorrect as there are no operational quarries in the vicinity. Based on discussions, the Committee decided to reject the proposal as it is not complying with the distance norm.

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

Item No.6 **Environmental Clearance for the Building Stone Quarry project of Sri. A M Chackochan in Re-Sy. No. 268/1, of Elamadu Village, Kottarakara Taluk, Kollam, Kerala (SIA/KL/MIN/140382/2020, 1674/EC2/2020/SEIAA)**

Sri. A M Chackochan, submitted an application for Environmental Clearance via PARIVESH Portal on 28.05.2020, for the mining of Granite Building Stone Quarry, for an area of 0.9957 Ha. in. Re-Sy. No. 268/1 of Elamadu Village, Kottarakara Taluk, Kollam, 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 Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133rd 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Development of green belt should be initiated prior to the commencement of mining operation.*
- 4. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 6. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
- 7. Gabion wall of should be provided at the overburden dumping site.*
- 8. There will be five working quarries within 500 m radius. So schedule must be prepared for blasting and transportation of materials from these quarries to avoid simultaneous*

- blasting and traffic congestion. Copy of the schedule must be made available to SEIAA, District Officer, Mining & Geology, local police station and Grama Panchayat.***
9. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
 10. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
 11. *The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling.*
 12. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
 13. *Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*
 14. *The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
 15. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
 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 MoEFCC, 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.*

The Authority also decided to forward the complaint from Sri Ashraff Mohammed to the District Collector, Kollam for further necessary action.

Item No.7 Environmental Clearance for the proposed Granite Building Stone Quarry of Sri. Mujeeb P. K. in Sy. Nos. 137/4-11, 137/4-11-1, 137/422, 137/4-21, Thachanattukara-1 village, Mannarkad Taluk, Palakkad (SIA/KL/MIN/149660/2020; 1682/EC1/2020/SEIAA)

Sri. Mujeeb. P .K., Parakkallil House, Nattukal P O, Palakkad submitted an application for Environmental Clearance via PARIVESH on 21.03.2020 for the proposed Granite Building Stone Quarry for an area of 0.8777 Ha in Sy.Nos.137/4-11, 137/4-11-1, 137/422, 137/4-21 in Thachanattukara-1 village, Mannarkad Taluk, Palakkad.

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 133rd 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 the mine as per KMMC Rules, incorporating the scheme of activities to be carried out for the next 5 years.

The Authority also observed that as per the Specific Condition No. 1 of recommendations of SEAC , the depth of mining is limited to 55m above MSL instead of 45m above MSL considering the depth to the groundwater table and hence the total mineable reserve will be reduced to 290160 MT, hence the project life of mine is to be reduced to 9 years.

Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity of 290160 MT and then to extend the EC period to cover the project life of 9 years, from the date of issuance of the 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A 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 field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. Depth of mining should be limited to 55m above MSL instead of 45m above MSL in the approved Mining Plan considering the depth to groundwater table.*
- 5. Development of green belt should be initiated prior to the commencement of mining operation*

6. *Compensatory afforestation should be initiated prior to the commencement of mining.*
7. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
8. *Haulage road should be developed prior to the commencement of mining and it may be maintained well with frequent sprinkling.*
9. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
10. *Retaining wall of appropriate height should be provided at the overburden dumping site.*
11. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
12. *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. *Adequate sanitation, waste management and restroom facilities should be provided to the workers prior to the commencement of mining.*
14. *Adequate energy conservation measures including solar power installations should be implemented prior to the commencement of mining.*
15. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
16. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
17. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for*

- CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 18. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 19. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.8 Environmental Clearance for the proposed Granite / Building stone Quarry of Sri. Muhammed Mammunni in Sy No.142/1 in Thachanattukara-1 village, Mannarkad Taluk, Palakkad SIA/KL/MIN/150672/2020; 1680/EC1/2020/SEIAA

Sri.Muhammed Mammunni submitted an application for Environmental Clearance via PARIVESH on 02.04.2020 for the proposed Granite Building Stone Quarry in Sy No.142/1 in Thachanattukara-1 village, Mannarkad Taluk, Palakkad.

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 Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133rd meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority observed that as per Specific Condition No.1 of recommendation of SEAC, the depth of mining is limited to 100m above MSL instead of 90m above MSL considering the depth to groundwater table and hence the total mineable reserve will be reduced to 224960 MT instead of 257760 MT.

The Authority decided to issue Environmental Clearance for the project life of 5 (five) years, for the quantity of 224960 MT, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Depth of mining should be limited to 100m above MSL instead of 90m above MSL in the approved Mining Plan considering the depth to groundwater table.*
- 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 Half Yearly Compliance Report.*
- 5. Development of green belt should be initiated prior to the commencement of mining operation*
- 6. Compensatory afforestation should be initiated prior to the commencement of mining.*
- 7. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*

8. *Haulage road should be developed prior to the commencement of mining and it may be maintained well with frequent sprinkling.*
9. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
10. *Retaining wall of appropriate height should be provided at the overburden dumping site.*
11. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
12. *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. *Adequate sanitation, waste management and restroom facilities should be provided to the workers prior to the commencement of mining.*
14. *Adequate energy conservation measures including solar power installations should be implemented prior to the commencement of mining.*
15. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
16. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
17. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

18. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
19. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.9

**Environmental Clearance for the Proposed Granite Building Stone Quarry of Sri. Sasidharan.V, Managing Partner, M/s Deepam Granites in Block No-5, Re-Survey No. 540/5 in Pallassena Village, Chittur Taluk, Palakkad, Kerala
SIA/KL/MIN/152995/2020, 1681/EC1/2020/SEIAA**

Sri. Sasidharan. V., Managing Partner, M/s Deepam Granites submitted an application for via PARIVESH for the Environmental Clearance for the Proposed Granite Building Stone Quarry for an extent of 0.9992 Ha in Block No-5, Re-Survey No. 540/5 in Pallassena Village, Chittur 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 Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133rd 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Development of green belt should be initiated prior to the commencement of mining operation.*
- 4. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 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 Half Yearly Compliance Report.*
- 6. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 7. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
- 8. Retaining wall of appropriate height should be provided at the overburden dumping site.*
- 9. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
- 10. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 11. The haulage road should be developed prior to the commencement of mining and it*

- should be maintained well with frequent sprinkling.*
- 12. Adequate sanitation, waste management and restroom facilities should be provided to the workers.*
 - 13. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*
 - 14. The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
 - 15. The drain water quality should be monitored regularly by an NABL accredited lab and clear water should be flowed into the natural stream.*
 - 16. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
 - 17. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the Half Yearly Compliance Report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
 - 18. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
 - 19. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.10 Environmental Clearance for the Proposed Granite Building Stone Quarry of Sri. P. K. Abdul Khader, M/s Fathima Granites in Block no.83, ReSurvey No: 66 of Ambalappara -II Village and Block No.80, Re Sy.No: 287/17 of Ambalappara-I Village in Ottappalam Taluk, Palakkad, Kerala

SIA/KL/MIN/153085/2020; 1777/EC1/2020/SEIAA

Sri. P. K. Abdul Khader, M/s Fathima Granites, Fathima Manzil, Chunangad P. O., Palakkad submitted an application via PARIVESH on 12.05.2020 for the proposed Granite Building Stone Quarry in Block no.83, Re-Sy No: 66 of Ambalappara -II Village and Block No.80, Re-Sy. No: 287/17 of Ambalappara-I Village in Ottappalam Taluk, Palakkad, Kerala for an area of 0.8017 Ha.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133rd meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority observed that in the inspection report as well as in the minutes of SEAC the distance to the nearest moderate hazard zone and high hazard zone is noted as 1.90 m and 18.20 m respectively. On verification, it is found that the distances are 1.90 km and 18.20 km respectively.

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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Development of green belt should be initiated prior to the commencement of mining operation*
- 4. Compensatory afforestation should be done at the proposed site with local plants as mentioned in the biodiversity assessment and also climbers and herbs prior to commencement of mining and the progress should be documented as geotagged photographs and submitted along with HYCR.*
- 5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 6. Haulage road should be developed prior to the commencement of mining and it may be maintained well with frequent sprinkling.*
- 7. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
- 8. Retaining wall of appropriate height should be provided at the overburden dumping site.*
- 9. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
- 10. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 11. Adequate sanitation, waste management and restroom facilities should be provided*

- to the workers prior to the commencement of mining.*
- 12. Adequate energy conservation measures including solar power installations should be implemented prior to commencement of mining.*
- 13. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
- 14. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
- 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. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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 the 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 Building Stone Quarry project of Sri. S. Sundarasan in Re-Sy Nos: 114/2-1, 115/6-4-2, 113/6, 113/4- 2, 113/13 of Puthoor Village, Kottarakara Taluk, Kollam, Kerala [SIA/KL/MIN/160638/2020; 1721/EC2/2020/SEIAA]**

Sri. S. Sundarasan, submitted an application for Environmental Clearance via PARIVESH Portal on 27.06.2020, for the mining of Granite Building Stone Quarry, for an area of 0.7678 Ha in Re-Sy Nos. 114/2-1,115/6-4-2,113/6,113/4-2 &113/13, of Puthoor Village, Kottarakara Taluk, Kollam, Kerala.

The Authority noticed that in the inspection report the total mineable reserve is recorded as 190938 MT, on verifying the approved Mining Plan it is found that the total mineable reserve is 264060 MT. Since there is a huge discrepancy in the production details, the Authority decided to refer back the proposal to SEAC for further examination and clarification.

Item No.12 **Environmental Clearance for the Granite Building Stone Quarry Project of Mr. Abdul Rasack. P for an area of 2.1509 Ha in Survey No. 95/9-3, 95/7-4 in Mankada Village, Perinthalmanna Taluk, Malappuram, Kerala (SIA/KL/MIN/161069/2020; 1799/EC6/2020/SEIAA)**

Sri. Abdul Rasack. P. Pattakkal House, Vadakkangara P.O, Malappuram submitted an application for Environmental Clearance through PARIVESH on 29.04.2021 for the Granite Building Stone Quarry Project for an area of 2.1509 Ha in Survey No. 95/9-3, 95/7-4 in Mankada Village, Perinthalmanna Taluk, Malappuram, Kerala.

The Authority noticed that there is a complaint received from Sri. Abdu Haji vide email dated 09.10.2021 against the issuance of EC to the project. The Authority decided to give an opportunity of hearing to the complainant and the project proponent in the next SEIAA meeting

before taking a final decision. The intimation regarding the same shall be given to them well in advance.

The Authority also noticed that the complaint received was forwarded to the District Collector, Malappuram vide Letter dated.28.10.2021 for report which is not received till date. Authority also decided to send a reminder to the District Collector to submit the report within 15days since the application is at the final stage of appraisal.

Item No.13

**Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. P T Anilkumar in Survey number 307/1A in Anakkara Village, Pattambi Taluk, Palakkad, Kerala
SIA/KL/MIN/162354/2020 , 1746/EC1/2020/SEIAA**

Sri. P.T. Anilkumar, Parammalthodi House, Vadakkumpuram, Edayur P.O, Valanchery, Malappuram – 676 552, submitted an application via PARIVESH on 07.07.2020 for the Proposed Laterite Building Stone Quarry of Sri. P T Anilkumar for an area of 0.4827 Ha in Sy. No. 307/1A in Anakkara Village, Pattambi Taluk, Palakkad, 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 133rd 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project 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 activity associated with borrowing/excavation should not involve blasting.*
4. *The borrowing/excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
5. *The borrowing/excavation activity should be restricted to 2m above the ground water table at the site.*
6. *The borrowing/excavation activity should not alter the natural drainage pattern of the area.*
7. *The borrowed/excavated pit should be restored by the project proponent for useful purposes.*
8. *Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap.*
9. *Measures should be taken to prevent dust emission by covering of borrowed/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 borrowing/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 excavation area.*
14. *Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary.*
15. *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.*
16. *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.*

17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented as per norms.*
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. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
21. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.14

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Sukumaran, President, Ottappalam Taluk Karinkal Quarry Operators Industrial Co-operative Society Ltd in Survey Nos: 60/1, 53/1 of Nellaya Village and Re Survey No. 150/1 of Cherpulassery Village, Ottapalam Taluk, Palakkad.
SIA/KL/MIN/175536/2020, 1846/EC1/2020/SEIAA**

Sri. Sukumaran, President, Ottappalam Taluk Karinkal Quarry Operators Industrial Co-operative Society Ltd submitted application for the Environmental Clearance for the

Granite Building Stone Quarry for an area of 0.9407 Ha in Survey No: 60/1, 53/1 of Nellaya Village and Re Survey No. 150/1 of Cherpulassery Village, Ottapalam Taluk, Palakkad.

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 Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133rd meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

Authority decided to limit the depth of mining to 130 above MSL considering local groundwater level recorded in the field inspection report by which 7009 MT of mineral will be reduced and the total mining quantity will be 146320 MT.

The Authority decided to issue Environmental Clearance for the project life of 5 (five) years, for the quantity of 146320 MT, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The green-belt development should initiate prior to the commencement of mining operations. As the mining area is part of an agriculture field, the green belting plants also could include Jack, Avocado, Litchi and Rambutan mixed with the species of wild trees removed for the project site.*
- 4. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow*

- channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 6. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
 - 7. Retaining wall of appropriate height should be provided at the overburden dumping site.*
 - 8. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
 - 9. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
 - 10. The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling. Considering the inadequate width of the road on vehicles with 3 ton capacity should be allowed.*
 - 11. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
 - 12. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*
 - 13. The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
 - 14. The drain water quality should be monitored regularly by an NABL accredited lab and clear water should be flowed into the natural stream.*
 - 15. Boundary fencing should be done and the details with geo-tagged photos to be submitted along with HYCR.*
 - 16. Major part of the proposed quarry site includes an abandoned quarry without any benches with steep wall and irregular quarry faces. This should be rectified by developing proper benches during the future quarrying operations under the supervision of qualified mining.*
 - 17. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***

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. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.*
21. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.15 **Environment Clearance for Laterite Building Stone Quarry Project of Sri. Thankappan M.M. for an area of 0.0970 at Re-Survey No-55/1-4 in Edakattuvayal Village, Kanayannur Taluk, Ernakulam, Kerala. (SIA/KL/MIN/177504/2020; File No: 1864/EC3/2020/SEIAA)**

Sri. Thankappan M.M., submitted an application for Environmental Clearance via PARIVESH Portal on 05/10/2020, for the mining of Laterite Building Stone Quarry, for an area of 0.0970 at Re-Sy No-55/1-4, in Edakattuvayal Village, Kanayannur Taluk, Ernakulam, 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 133rd 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A 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. *Measures incorporated in the CER should be implemented as per norms*
18. *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).*
19. *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.*
20. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.*
21. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.16 **Environmental Clearance for the Granite Building Stone Quarry of Shri. Najeeb Hassan in Survey No. 372/1-2, Ongallur-II Village, Pattambi Taluk, Palakkad.**
SIA/KL/MIN/177823/2020, 1829/EC1/2020/SEIAA

Shri. Najeeb Hassan submitted application via PARIVESH for Environmental Clearance for the Granite Building Stone Quarry for an area of 0.8747 Ha in Survey No. 372/1-2, Ongallur-II Village, Pattambi 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 Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133rd 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Development of green belt should be initiated prior to the commencement of mining operation.*
- 4. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow*

- channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 6. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
 - 7. OB dumping area should be relocated to lower elevation on northern side. Retaining wall of appropriate height should be provided at the overburden dumping site.*
 - 8. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
 - 9. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
 - 10. The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling. Considering the inadequate width of the road on vehicles with 3 ton capacity should be allowed.*
 - 11. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
 - 12. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*
 - 13. The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
 - 14. The drain water quality should be monitored regularly by an NABL accredited lab and clear water should be flowed into the natural stream.*
 - 15. Boundary fencing should be done and the details with geo-tagged photos to be submitted along with HYCR.*
 - 16. The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan and as per KMMC Rules 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.

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

18. If the abandoned quarry in the proposed project area is owned by the Project 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 district geologist shall verify the mine closure status and no further transport permit shall be issued if final closure has not been carried out as per norms.

19. 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.

20. 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.

21. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.17 **Environmental Clearance to M/s Balipattam Tile Works for the Mining of Ordinary Clay Project in Re. Sy. Nos. 7/6, 7/7, 7/8, 7/9 in Pariyaram Village, Taliparamba Taluk, Kannur, Kerala (SIA/KL/MIN/178887/2020 1850/EC4/2020/SEIAA)**

Sri. Sushil Aaron, Managing Director, M/s Baliapatam Tile Works Ltd, Pappinisseri P.O, Kannur submitted an application through PARIVESH on 14.10.2020 for Environmental Clearance in SEIAA for the Mining of Ordinary Clay Project for an area of 0.1665 Ha, in Block 79, in Re.Sy.Nos.19/514,19/515 in Pariyaram Village, Taliparamba Taluk, Kannur, 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 133rd meeting recommended to issue EC for the period of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noticed that the project site is located in a paddy field as per land tax receipt and as per the Kerala Conservation of Paddy Land and Wetland Act, 2008, the conversion of paddy fields needs NOC from designated authorities. Hence the Authority decided to direct the proponent to submit the NOC from the concerned Authority.

Item No.18 **Environmental Clearance for the Building Stone Quarry project of Sri. Sudheesh A T in Re-Sy No: 432/584, of Nenmeni Village, Sulthan Bathery Taluk, Wayanad, Kerala (ToR- SIA/KL/MIN/37909/2019, 1396 /EC1/2019/SEIAA) [SIA/KL/MIN/183324/2020; 2084/EC2/SEIAA/2022]**

Sri. Sudheesh A T submitted an application for Environmental Clearance *via* PARIVESH Portal on 19.04.2022, for the mining of Granite Building Stone Quarry, for an area of 0.9612 Ha. in Re-Sy No. 432/584, of Nenmeni Village, Sulthan Bathery Taluk, Wayanad, 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 Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133rd 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the 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. Development of green belt should be initiated prior to the commencement of mining operation.*
- 4. Compensatory afforestation should be initiated prior to the commencement of mining and the coordinates and geo-tagged photographs of the site should be incorporated in the HYCR.*
- 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 Half Yearly Compliance Report.*
- 6. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
- 7. A seasonal overland drain with flow direction towards the proposed site should be*

diverted from outside the buffer zone of the project site. If not, it should be connected to the garland drain subject to the conditions that the garland drain is designed with adequate carrying capacity to contain the flow from overland drain in addition.

- 8. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
- 9. Retaining wall of appropriate height should be provided at the overburden dumping site.*
- 10. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
- 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. The haulage road should be developed prior to the commencement of mining and it should be maintained well with frequent sprinkling.*
- 13. Adequate sanitation, waste management and restroom facilities should be provided to the workers.*
- 14. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office*
- 15. The Environment Management Cell (EMC) should include an Environment expert the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
- 16. The drain water quality should be monitored regularly and only clear water should be allowed into the natural stream.*
- 17. The dilapidated house located within the project site should be demolished prior to the commencement of mining activity.*
- 18. The Project Proponent shall take immediate measures to close the abandoned quarry in the project site if it belongs to him 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 SEIAA 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 district*

Geologist shall verify the mine closure status and no further transport permit shall be issued if final closure has not been carried out as per norms.

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

20. *The resultant quarry pond should be safeguarded with strong fencing or boundary wall to prevent any accidents.*

21. *In the interest of residential buildings located at a distance of 51-200 m radius from the quarry site, the Project Proponent should 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.*

22. *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.

23. *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.*
24. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.*
25. *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 Ordinary Earth Mining project of Sri. Biju K. Peter, for an area of 0.8245 Ha. in Re. Sy. No-111/13 of Aikaranad south Village, Kunnathunad Taluk, Ernakulam, Kerala. (SIA/KL/MIN/219969/2021; File No: 1934/EC3/2022/SEIAA)

Sri. Biju K. Peter, submitted an application for Environmental Clearance via PARIVESH Portal on 14/07/2021, for the mining of Ordinary Earth, for an area of 0.8245 Ha. in Re. Sy. No-111/13 of Aikaranad South Village, Kunnathunad Taluk, Ernakulam, 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 133rd 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A 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 2m above the ground water table at the site.*
- 5. The excavation activity should not alter the natural drainage pattern of the area*
- 6. The excavated pit should be restored by the project proponent for useful purpose*
- 7. Appropriate fencing all around the excavated pit should be made to prevent any mishap*
- 8. Measures should be taken to prevent dust emission by covering of excavated earth during transportation*
- 9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth*
- 10. Workers/labourers should be provided with facilities for drinking water and sanitation*
- 11. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation*
- 12. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area*
- 13. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
- 14. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*

15. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
16. *Measures incorporated in the CER should be implemented as per norms.*
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 the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.20 Environmental Clearance for the Proposed Granite Building Stone Quarry Project of M/s Chathamala Crushers Private Limited over an extent of 1.7424 Ha, at Block No.83, Re.Sy.No.5/210, 5/927 Eruvessi Village, Taliparamba Taluk, Kannur District, Kerala

(SIA/KL/MIN/220733/2021 1930/EC4/2021/SEIAA}

Sri. K. K. Radhakrishnan, Managing Director, M/s Chathamala Crusher Private Limited, No.23/212, Puthiyaparamba, Alavil P.O, Kannur-670008 submitted an application through PARIVESH on 22.07.2021 for Environmental Clearance in SEIAA for the proposed Granite Building Stone Quarry Project for an area of 1.7424 Ha, in Re.Sy.Nos.5/210,5/927 in Eruvessi Village, Taliparamba Taluk, Kannur, Kerala.

The Authority noted the action taken by SEAC in its 130th, 132nd & 133rd meetings held on different dates. Based on the Precautionary Principle, the Committee in its 133rd meeting recommended rejection of the proposal due to the following reasons.

1. Project area is located at the southern steep flank of an E-W trending the ridge with maximum elevation of 670m above MSL.
2. The highest and lowest elevation of the project site is 525m and 480m above MSL and the slope is extremely steep.
3. The downstream side of the site is high hazard zone. It is reported that the high hazard zone is at a distance of 11m and medium hazard zone is at a distance of 84m and both are in the proximity.
4. Boulders of moderate size are spread all over the steep sloping project area.

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.21 Environmental Clearance to Sri. Subair Chakkingal for the Proposed Laterite Building Stone Quarry Project in Re.Sy.Nos.19/514, 19/515 in Koodathai Village, Thamarasser Taluk, Kozhikode District, Kerala. (SIA/KL/MIN/229459/2021 1948/EC4/2022/SEIAA)}

Sri. Subair Chakkingal, S/o Mohammed, Chakkingal House, Karassery P.O, Kozhikode-673602 submitted an application through PARIVESH on 25.09.2021 for Environmental Clearance in SEIAA for the proposed Laterite Building Stone Quarry Project for an area of 0.668617 Ha, in Re.Sy.Nos.19/514,19/515 in Koodathai Village, Thamarassery 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 Project Proponent during appraisal and the Field Inspection Report. After the due appraisal, the SEAC in its 133rd meeting recommended to issue EC for the period 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
2. *The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *The activity associated with borrowing/excavation should not involve blasting.*
4. *The borrowing/excavation activity should not alter the natural drainage pattern of the area.*
5. *The borrowed/excavated pit should be restored by the project proponent for useful purposes.*
6. *Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap.*
7. *Measures should be taken to prevent dust emission by covering of borrowed/excavated earth during transportation.*
8. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth.*
9. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
10. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
11. *Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary and geo-tagged photographs of all the boundary pillars should be submitted prior to commencement of mining.*
12. *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.*
13. *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.*
14. *The drainage system should be cleaned and desilted periodically to facilitate*

- unhindered drainage.*
- 15. Measures incorporated in the CER should be implemented as per norms*
 - 16. 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).*
 - 17. Project Proponent shall take immediate measures to close the two abandoned quarry pits 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 SEIAA 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 district Geologist shall verify the mine closure status and no further transport permit shall be issued if final closure has not been carried out as per norms.*
 - 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 MoEFCC, 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.22

Environmental Clearance to Sri. Mirshad C.K for the Proposed Laterite Building Stone Quarry Project in Re.Sy.Nos.35/153 in Puthoor Village, Thamarassery Taluk, Kozhikode District, Kerala (SIA/KL/MIN/229588/2021 1928/EC4/SEIAA/2021}

Sri. Mirshad C.K, S/o Aboobacker, Charalikunnath House, Keezhuparambath P.O, Malappuram submitted an application through PARIVESH on 16.09.2021 for Environmental Clearance in SEIAA for the proposed Laterite Building Stone Quarry Project for an area of 0.3875 Ha, in Re.Sy.No.35/153 in Puthoor Village, Thamarassery 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 Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133rd 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A 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 2m above the ground water table at the site.*
- 5. The excavation activity should not alter the natural drainage pattern of the area*
- 6. The excavated pit should be restored by the project proponent for useful purpose*
- 7. Appropriate fencing all around the excavated pit should be made to prevent any mishap*

8. *Measures should be taken to prevent dust emission by covering of excavated earth during transportation*
9. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth*
10. *Workers/labourers should be provided with facilities for drinking water and sanitation*
11. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation*
12. *A minimum distance of 15m from any civil structure should be kept from the periphery of the project area*
13. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
14. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
15. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
16. *Measures incorporated in the CER should be implemented as per norms.*
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. *There are two abandoned quarry pits nearby the project area Project Proponent shall take immediate measures to close the abandoned quarry pits 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 SEIAA 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 district Geologist shall verify the mine closure status and no further transport permit shall be issued if final closure has not been carried out as per norms.*
19. *Compensatory afforestation should be done for the trees removed from the site.*
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. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

21. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.23

Environmental Clearance for Ordinary Earth Mining Project of Mrs. Resmi Mathew, for an area of 0.9915 Ha. in Re Sy No-306/4-2, 306/3 of Keezhmad Village, Aluva Taluk, Ernakulam, Kerala (SIA/KL/MIN/230280/2021; File No: 1959/EC3/2022/SEIAA)

Mrs. Resmi Mathew., submitted an application for Environmental Clearance via PARIVESH Portal on 23/09/2021, for the mining of Ordinary Earth, for an area of 0.9915 Ha. in Re Sy No-306/4-2, 306/3 of Keezhmad Village, Aluva Taluk, Ernakulam, 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 133rd 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project 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 the 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 2m above the ground water table at the site.*
5. *The excavation activity should not alter the natural drainage pattern of the area*
6. *The excavated pit should be restored by the project proponent for useful purpose*
7. *Appropriate fencing all around the excavated pit should be made to prevent any mishap*
8. *Measures should be taken to prevent dust emission by covering of excavated earth during transportation*
9. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth*
10. *Workers/labourers should be provided with facilities for drinking water and sanitation*
11. *A berm of 2m should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation*
12. *A minimum distance of 15m from any civil structure should be kept from the periphery of the project area*
13. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
14. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
15. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
16. *Amount should be earmarked for CER as per stipulation and it should be expended for monitorable work targets as per OM.*
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 the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.24

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Alavi P.P for an area of 0.0971 Ha in Re-Survey no. 232/2 in Melmuri Village, Tirur Taluk, Malappuram, Kerala (SIA/KL/MIN/236496/2021, 1978/EC6/2022/SEIAA)

Sri. Alavi .P.P, Puthenpeediyekkal House, Pathayakkallu, Maravattom, Malappuram submitted an application for Environmental Clearance through PARIVESH on 20.04.2022 for the Laterite Building Stone Quarry Project for an area of 0.0971 Ha in Re-sy no. 232/2 in Melmuri 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 133rd 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*

2. *The Project Proponent shall obtain consents from the owners of nearby houses and mining shall be carried out without effecting the life and property of people staying nearby.*
3. *The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
4. *The activity associated with borrowing/excavation should not involve blasting.*
5. *The borrowing/excavation activity should be restricted to 2m above the ground water table at the site*
6. *The borrowing/excavation activity should not alter the natural drainage pattern of the area.*
7. *The borrowed/excavated pit should be restored by the project proponent for useful purposes.*
8. *Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap.*
9. *Measures should be taken to prevent dust emission by covering of borrowed/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 borrowing/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 excavation area.*
14. *Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary.*
15. *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.*
16. *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.*
17. *The drainage system should be cleaned and desilted periodically to facilitate*

unhindered drainage.

- 18. Measures incorporated in the CER should be implemented as per norms.*
- 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. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 21. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.25

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Haneefa Kottayi for an area of 0.1943 Ha in Block No. 14, Re-Sy Nos. 63/1/5-1, 63/3/3-1 of Muthuvallur Village, Kondotty Taluk, Malappuram, Kerala
(SIA/KL/MIN/261870/2022, 2005/EC6/2022/SEIAA)**

Sri. Haneefa Kottayi, S/o Veeran, Melekarattu House, Pallikkal Post, Malappuram submitted an application for Environmental Clearance through PARIVESH on 14.05.2022 for the Laterite Building Stone Quarry Project for an area of 0.1943 Ha in Block No. 14, Re-Sy Nos. 63/1/5-1, 63/3/3-1 of Muthuvallur Village, Kondotty 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 133rd meeting recommended to issue EC for the 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A 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 2m above the ground water table at the site.*
- 5. The excavation activity should not alter the natural drainage pattern of the area*
- 6. The excavated pit should be restored by the project proponent for useful purpose*
- 7. Appropriate fencing all around the excavated pit should be made to prevent any mishap*
- 8. Measures should be taken to prevent dust emission by covering of excavated earth during transportation*
- 9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth*
- 10. Workers/labourers should be provided with facilities for drinking water and sanitation*
- 11. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation*
- 12. A minimum distance of 15m from any civil structure should be kept from the*

- periphery of the project area*
- 13. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
 - 14. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
 - 15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
 - 16. Measures incorporated in the CER should be implemented as per norms.*
 - 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 MoEFCC, 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.26

**Environmental Clearance for the Laterite Building Stone Quarry of Sri. Manikandan P. V, in Sy No.65 in Anakkara Village, Pattambi Taluk, Palakkad, Kerala
SIA/KL/MIN/262486/2022; 1962/EC1/2022/SEIAA**

Sri. Manikandan P. V., S/o Pottammal Velayudhan, Pottammal House, Muthoor P.O Malappuram submitted application via PARIVESH on 19.03.2022 for the Laterite Building Stone Quarry for an extent of 0.7575 Ha in Survey No.65 in Anakkara Village, Pattambi Taluk, Palakkad, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, Mining Plan and field inspection report. After the due appraisal, the SEAC in its 133rd meeting recommended to issue EC for the 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The activity associated with the excavation should not involve blasting.*
- 4. The excavation activity should not alter the natural drainage pattern of the area.*
- 5. The excavated pit should be restored by the project proponent for useful purposes.*
- 6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 7. Measures should be taken to prevent dust emission by covering of excavated laterite during transportation.*

8. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of laterite.*
9. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
10. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
11. *A minimum distance of 50m from any civil structure should be kept from the periphery of the excavation area.*
12. *Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary.*
13. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
14. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
15. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
16. *Measures incorporated in the CER should be implemented as per norms.*
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.27

Environmental Clearance for the proposed Granite Building Stone Quarry Project of Sri. Sudheesh A T in Sy Nos: 55/2, 55/3, 55/4, in Irulam Village, Sulthan Bathery Taluk, Wayanad, Kerala (SIA/KL/MIN/39592/2019; 1412/EC2/2019/SEIAA) [SIA/KL/MIN/272255/2022; 1412/EC2/2019/SEIAA]

Sri. Sudheesh A T submitted an application for Environmental Clearance *via* PARIVESH Portal on 12.05.2022, for the mining of Granite Building Stone Quarry, for an area of 2.4973 Ha. in Sy Nos: 55/2, 55/3, 55/4, of Irulam 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.

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 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.*
- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A 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 field 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 Wayanad Wild Life Sanctuary, as per OM dated 8.8.2019 of MoEFCC, Clearance from the 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 MoEFCC and SEIAA shall not be responsible in this regard in any manner.*
- 6. The overburden dumping site should be protected with gabion wall to a height of about 2.5 m.*
- 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. *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.*
9. *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.*
10. *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.*
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. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District Collector, Wayanad and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
16. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
17. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with Local Self Govt. Institutions. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on*

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

- 18. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 19. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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 Granite Building Stone Quarry Project of Sri. K.J. Baiju, Managing Partner, M/s. B & B Granites in Survey No.911 & 912 in Thekkumkara Village, Thalappilly Taluk, Thrissur, Kerala
(SIA/KL/MIN/272314/2022, File No. 1339/EC2/2019/ SEIAA)**

Sri. K. J. Baiju, Managing Partner, M/s. B & B Granites, House No.11/384, Vattai, Kundukadu P.O, Thekkumkara, Thrissur-680028 Kerala, vide the hardcopy of application received on 17.05.2019, sought Environmental Clearance under EIA Notification, 2006 for the quarry project for an area of 0.8075 Ha in Sy No.911 & 912 in Thekkumkara Village, Thalappilly Taluk, Thrissur, 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 Project Proponent during appraisal, and the Field Inspection Report. After the due appraisal, the SEAC in its 133rd meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

Authority noted the decision of the SEAC to limit the depth of mining to 195 above MSL instead of the proposed 185 m above MSL considering the depth to the ground water table. Therefore, the total mining quantity will be reduced to 1,17,775 MT.

The Authority decided to issue Environmental Clearance for the project life of 5 (five) years, for the quantity 1,17,775 MT subject to the following Specific Conditions in addition to the General Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project 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 MoEFCC, 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 depth of mining should be limited to 195 m above MSL instead of the proposed 185 m above MSL considering the depth to the ground water table.*
6. *Medium sized carriages (trucks) should only be used for transportation and only one-way traffic should be allowed for loaded vehicles.*
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. *Development of green belt should be initiated prior to the commencement of mining operation.*
9. *Compensatory afforestation should be initiated prior to the commencement of mining.*
10. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
11. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the compliance report.*
12. *Gabion wall of appropriate height should be provided at the overburden dumping site.*
13. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
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 haulage road should be maintained well with frequent sprinkling.*
16. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
17. *Adequate energy conservation measures proposed should be implemented including solar power installations*
18. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
19. ***Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***

20. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District Collector, Thrissur and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
21. *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.*
22. *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.*
23. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, 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.29

**Environmental clearance for the Granite Building Stone Quarry Project of Sri. Mohammed Shereef for an area of 1.3997 Ha in Sy No. 1/1A in Pulamanthole Village, Perinthalmanna Taluk, Malappuram, Kerala
(SIa/KL/MIN/278602/2022, File No. 1213/EC2/2019/SEIAA)**

Mr. Mohammed Shereef, Kuttikkadan House, Athavanad P.O, Tirur Taluk, Malappuram-676301, vide the hardcopy of the application received on 12.02.2019, has sought Environmental Clearance under EIA Notification, 2006 for the quarry project for an area of 1.3997 Ha in Survey No.1/1A in Pulamanthole village, Perinthalmanna 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 133rd meeting recommended EC for a Project Life of 7 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 7 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any 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 Project Proponent shall carry out quarrying as per the approved Mining Plan and the Specific Conditions mentioned hereafter. The Project Proponent should strictly*

follow the Kerala Minor Mineral Concession Rules 2015 and its amendments thereby.

- 2. The EC shall be valid from the date of execution of the permit/lease from the Department of Mining and Geology. A 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 field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. The CER proposed should be implemented during the first two years and maintained and operated during the rest of project period.*
- 5. The proponent should constitute a monitoring committee including a member from LSGD for monitoring the implementation of the CER activities as agreed.*
- 6. The OB dump should be protected with a retaining wall and the height of the dump should not exceed the height of the retaining wall. The geotagged photos as proof should be submitted along with HYCR.*
- 7. The drainage channel, silt traps and collection tank should be cleaned periodically to remove the deposited silt so as to prevent any obstructions to the overland flow.*
- 8. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 9. The sprinkling of water should be done on the unsurfaced road before the movement of each truck.*
- 10. The green-belt development should be initiated before the commencement of quarry operations. The species selected for green belting should be diverse and preferably locally known and relevant for their multiple values.*
- 11. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.***
- 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 MoEFCC, 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.*

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

Item No.1 Granite Building stone quarry of “Sri. Saji K Alias, M/s Mariyem Industries, Kuzhikandathil House, Thiruvaniyoor P O, Ernakulam At Survey No: 302/6, 302/7-1, 302/7-2, 302/8, 302/1- 2, 298/15, 298/14, 298/16, 298/13, 298/12, 302/2-2, 301/1, 301/2, 302/5-1, 302/5-2-2, in Thiruvaniyoor Village, Muvattupuzha Taluk, Ernakulam District, Kerala State - Extension of EC

Judgment in IA. No. 2/2022 dated 23-02-2022 in WP(C) No. 15475/2016 (H) filed by Sri. Saji K. Elais, Kuzhikandathil House, Thiruvaniyoor P.O., Ernakulam-682 308

(SIA/KL/MIN/262617/2022 File No. 553/SEIAA/KL/4087/2014)

As intimated by SEIAA, Sri. Saji. K. Alias and his advocate Sri. Shenai attended for hearing and explained their averments. The Authority after hearing directed them to submit the hearing note within 7 days for further decision to be taken in the next SEIAA meeting.

CONSIDERATION OF TOR PROPOSALS

Item No.1 ToR application for the Building Stone Quarry project of Sri. Sukumaran E in Re-Sy. No. 430/1pt116, 430/1pt607, 430/1pt66, 430/1pt841, 430/1pt473, 430/1pt842, 430/1pt701, 430/1pt843, of Thayanoor Village, Vellarikund Taluk, Kasaragod, Kerala
(SIA/KL/MIN/78023/2022, 2033/EC2/2022/SEIAA)

Sri. Sukumaran E, submitted an application for Terms of Reference *via* PARIVESH Portal on 07.07.2022, for the mining of Granite Building Stone Quarry, for an area of 4.6189 Ha. in Re- Sy. Nos. 430/1pt116, 430/1pt607, 430/1pt66, 430/1pt841, 430/1pt473, 430/1pt842, 430/1pt701, 430/1pt, 843 of Thayanoor Village, Vellarikund Taluk, Kasargod, Kerala.

The Authority noted that SEAC in its 133rd meeting recommended the Standard ToR with certain additional studies. The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study as recommended by SEAC.

1. Landslide proneness & soil piping potential of the project impact zone.
2. Vibration impact on structures within 1 km radius.

Item No.2

**ToR Application for the Granite Building Stone Quarry Project of Sri.Arshak Ali.E.K for an area of 2.0144 Ha in Survey No. 104/2B-09 & 104/2B-44 in Kannamangalam Village, Thirurangadi Taluk, Malappuram, Kerala
(SIA/KL/MIN/73017/2022, File No. 2069/EC6/2022/SEIAA)**

Sri. Arshak Ali. E. K, Edathola Kottasseri, Malabar Manzil, Eranippadi, Kannamangalam P.O, Malappuram submitted an application for Terms of Reference through PARIVESH on 17.08.2022 for the Granite Building Stone Quarry Project for an area of 2.0144 Ha in Survey No. 104/2B-09 & 104/2B-44 in Kannamangalam Village, Thirurangadi Taluk, Malappuram, Kerala.

The Authority noted that SEAC in its 133rd meeting recommended the Standard ToR with certain additional studies. The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study as recommended by SEAC.

1. Landslide proneness of the impact zone.
2. Accident potential analysis to the houses in the immediate vicinity.
3. Water quality of the streams in the impact zone.

Item No.3

Environmental Clearance for the proposed Granite Building Stone Quarry Project of Sri. Sudheesh A T in Survey No: 55/2, 55/3, 55/4, in

**Irulam Village, Sulthan Bathery Taluk, Wayanad, Kerala
(SIA/KL/MIN/39592/2019, 1412/EC2/2019/SEIAA)
[SIA/KL/MIN/272255/2022, 1412/EC2/2019/SEIAA]**

Decision taken in EC proposal, Item No.27

Item No.4

**ToR application for the Construction of Hospital of “N.S. Memorial Institute of Medical Sciences” project of Shibu P, Secretary, in Re-Sy. Nos. 557/2, 5, 6, 557/4, 571/15, 16, 572/33-34, 9-5, 572/35, 572/35/2, 557/1, 571/18, 573/13-2, 571/11, 571/12, 572/8/2, of Vadakkevila Village, Kollam Taluk, Kollam, Kerala
(SIA/KL/MIS/82880/2022, 2085/EC2/SEIAA/2022)**

Sri. Shibu P, Secretary submitted an application for Terms of Reference *via* PARIVESH Portal on 24.08.2022, for the mining of Granite Building Stone Quarry, for an area of 4.6189 Ha. in Re- Sy. Nos. 557/2, 5, 6, 557/4, 571/15, 16, 572/33-34, 9-5, 572/35, 572/35/2, 557/1, 571/18, 573/13-2, 571/11, 571/12, 572/8/2 of Vadakkevila Village, Kollam Taluk, Kollam, Kerala.

The Authority noted that SEAC in its 133rd meeting examined the proposal and decided to approve Specific ToR and General ToR as per MoEF Notification No. S.O. 804 (E) dated 14.3.2017 and other required studies for enabling the appraisal of the project as per SoP for identification and handling of violation cases under EIA notification 2006 vide OM dated 7.7.2021.

The Authority decided to approve the Specific ToR and General ToR as per MoEFCC Notification No. S.O. 804 (E) dated 14.3.2017 and other required studies for enabling the appraisal of the project as per SoP for identification and handling of violation cases under EIA Notification 2006 vide OM dated 7.7.2021.

Item No.5

**Application for ToR for the Granite Building Stone Quarry Project of Sri. Eranhikkal for an area of 1.6853 Ha in Block No.8, Sy.Nos.147/7-1, 147/1, 146/1-3, 146/1-4, 146/1-5, 146/1-6, 146/1-7 in Pulikkal Village, Kondotty Taluk, Malappuram, Kerala.
(SIA/KL/MIN/81219/2022, File No. 2097/EC6/2022/SEIAA)**

Sri. Riyas Eranhikkal, Managing Director, Minecraft Granites Pvt.Ltd, 6/450 D-3, Apple Tower, Feroke P.O, Kozhikkode submitted an application for Terms of Reference through PARIVESH on 14.09.2022 for the Granite Building Stone Quarry Project for an area of 1.6853 Ha in Block No.8, Sy.Nos.147/7-1, 147/1, 146/1-3, 146/1-4, 146/1-5, 146/1-6, 146/1-7 in Pulikkal Village, Kondotty Taluk, Malappuram District, Kerala.

The Authority noted that SEAC in its 133rd meeting recommended the Standard ToR with certain additional studies. The Authority decided to approve the Standard Terms of Reference with the following additional aspects for EIA Study as recommended by SEAC.

1. Landslide proneness of the proposed area.
2. Breach potential study.
3. Accident proneness to the nearby houses.

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

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

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