

**MINUTES OF THE 125th MEETING OF THE STATE LEVEL
ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)
KERALA, HELD ON 28th & 29th MARCH 2023**

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 125th meeting of the SEIAA, Kerala was held on 28th & 29th March 2023 at the Conference Hall, SEIAA, Kerala, Thiruvananthapuram on hybrid mode. The meeting started at 10.30 AM on 28th March 2023. 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 125th meeting and took the following decisions:

Physical Files

<u>Item No.125.01</u>	Minutes of the 124th meeting of SEIAA held on 27th & 28th February 2023
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Noted

<u>Item No.125.02</u>	Action Taken Report on 123rd meeting of SEIAA held on 27th & 28th January 2023
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Noted

<u>Item No.125.03</u>	Application for Environment Clearance for the Quarry project of M/s Shanio Metal Crushing Unit at Sy. Nos. 160/4, 160/5, 161/7, 161/8-1,
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**161/8-2, 161/8-5, 160/1, 160/1-1, 160/1-2, 160/1-3, 160/1-4, 160/2, 160/6, 160/3 and 160/7 in Thottappuzhessery Village, Thottappuzhassery Panchayat, Thiruvalla Taluk, Pathanamthitta
(File No. 75/SEIAA/KL/170/2013)**

The Authority perused the item and observed that the validity of the EC issued was up to 30.10.2018 and on the basis of a complaint Stop Memo was issued on 22.09.2016, which is under stay order as per Judgement in WP(C) No. 31869/2016. On detailed verification, it is noticed that the case is still pending before the Hon'ble Court and the request of the Project Proponent dated 12.10.2018 to extent the validity of the EC was kept in abeyance subject to the final order of the Hon'ble High Court.

Now the Thottappuzhassery Grama Panchayat enquired about the requirement of EC for the quarry project. From the letter of the Panchayat authorities it is understood that the quarry is still functioning with valid license up to 23.03.2023. Besides, the KSPCB, District Collector / Chief Controller of Explosives and the Mining & Geology issued permission / NOC on 09.04.2019, 09.11.2021 and 25.04.2019 respectively. The Authority observed that the above said permissions / NOCs were issued to the Project Proponent illegally without the mandatory Environmental Clearance and the Project Proponent is operating quarry after the expiry of EC.

The Authority viewed the matter seriously, and decided the following:

- 1) The Project Proponent has committed serious violation of EPA, 1986 and KMMC Rules and regulations and carried out illegal mining after the expiry of the EC. Show Cause Notice in this regard shall be issued to the Project Proponent for working without EC. The Project Proponent should submit his explanation within 15 days from the date of receipt of the Notice.
- 2) District Geologist, Mining & Geology Department, Pathanamthitta to quantify the illegal mining carried out after expiry of environmental clearance and penalty has to be imposed and action has to be taken under KMMC rules
- 3) Request the Director, Mining and Geology Department to take stringent action against the concerned Officials who issued the mining lease / permit and the transport permit during all these years without verifying the EC.

- 4) Explanation shall be sought from the concerned Panchayat Authority for issuing license without mandatory prior EC.
- 5) Explanation shall be sought from the District Environmental Engineer, KSPCB Pathanamthitta for issuing the CTE and CTO for the quarrying operation in an area without valid EC.
- 6) Explanation shall be sought from the Chief Controller of Explosives for issuing explosive license without mandatory prior EC.
- 7) SEAC shall conduct field inspection and the environmental damages due to illegal mining from 30.10.2018.
- 8) The Standing Counsel, SEIAA shall be requested to pay special attention to dispose of the WP(C) 31869/2016. Legal Officer, SEIAA shall take necessary follow up action in this regard.
- 9) Inform the Secretary, Thottappuzhassery Grama Panchayat, Thiruvalla that prior Environmental Clearance issued by SEIAA is mandatory for any mining operation as per EIA 2006. Even incase of revalidation, a formal order extending validity of EC must be issued by SEIAA.

Item No: 125.04 Environmental Clearance issued for the Commercial Complex (Hotel, Convention Centre & Shopping Mall) project, M/s LULU International Shopping Mall Pvt. Ltd., Thiruvananthapuram District - Clarification sought regarding CER/CSR Commitments - Hearing (File No.1047/EC1/899/SEIAA/2016))

Authority reviewed progress of implementation of CER activities of M/s Lulu International Shopping Mall Pvt. Ltd, Thiruvananthapuram. After a detailed discussion with the stake holders, following decisions were taken for timely implementation of CER activities.

1. The Secretary, Thiruvananthapuram Corporation will hand over the proposed project sites to the implementing agency selected by M/s Lulu International Shopping Malls Pvt Ltd and provide all the necessary amenities including space and other facilities for successful implementation of the proposed activities.

2. Managing Director, KSFDC shall submit an alternate proposal to green the Chitranjali Studio premises to M/s Lulu International Shopping Malls Pvt Ltd within 15 days. If they do not submit the proposal within the prescribed time, M/s Lulu International Shopping Malls Pvt Ltd may submit proposal to provide solar lighting facilities to the houses under government approved LIFE Mission scheme in consultation with MD, ANERT. This issue has already been discussed with MD, ANERT and he has agreed to coordinate with SEAC / M/s Lulu International Shopping Malls Pvt Ltd.
3. Director, DoECC has to submit an environment friendly beautification proposal for Directorate and its associated offices in 4th floor of the building within a week, to convey the message of importance of Environment conservation.
4. M/s Lulu International Shopping Malls Pvt Ltd shall consolidate the above proposals and submit to SEAC within one month for appraisal.
5. M/s Lulu International Shopping Malls Pvt Ltd shall consult with other stakeholder agencies approved by SEAC and initiate the activities by completing all the necessary formalities. M/s Lulu International Shopping Malls Pvt Ltd shall engage any reputed consultants / agencies for the fruitful implementation of the activities.
6. For the speedy and effective implementation of activities, the Monitoring Committee constituted as per 123rd SEIAA meeting is reconstituted with the Secretary, Thiruvananthapuram Corporation as Chairman, and Dr Jude Emmanuel, Environmental Scientist, is nominated as an additional member from the Directorate of Environment and Climate Change in addition to the members decided earlier. The Monitoring Committee shall convene its meeting once in every month and assess the progress of the implementation of CER activities. Dr Jude Emmanuel, Environmental Scientist, is requested to put up a brief action taken report for the perusal of Authority in each monthly meeting.
7. M/s Lulu International Shopping Malls Pvt Ltd has to submit the mandatory Half Yearly Compliance Report including both physical and financial progress of the CER activities hereafter.
8. All stake holders to make concerted efforts as a cohesive team to complete the proposed CER activities within one year at the latest.

Item No.125.05 **Modification of EC Application of Granite Building Stone Quarry of M/s. Adani Vizhinjam Port Private Limited, in Re-Sy Block No. 29, Re-Sy No. 120/10, Manickal Village, Nedumangad Taluk, Thiruvananthapuram District
(SIA/KL/MIN/292678/2022; 1416/EC1/2019/SEIAA)**

The Authority perused the item and examined the request of the project proponent dated 15.02.2023 to reconsider the decision of the Authority. On deliberation, it is observed that the project proponent has not submitted the modified approved mining plan as mentioned in the request letter. In this circumstance, the Authority observed that there is no reason to relook its earlier decision. The Authority also decided that SEAC shall examine the matter and recommend any changes, if the project proponent submits the required documents including the modified mining plan. The Authority also observed that increase in the production may leads to increase in traffic density, congestion and damages to the existing road, which may cause inconvenience to the public. The SEAC may also verify whether the proponent can address such concerns and should consult and discuss the matter with the Monitoring Committee constituted by SEIAA.

Item No.125.06 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Muhammed Hashim for an area of 1.7488 ha at Block No. 10, Re-Sy Nos. 22/2-2pt & 22/3pt in Pazhavangadi Village, Ranni Taluk, Pathanamthitta, Kerala
(SIA/KL/MIN/129508/2019; 1528/EC1/2019/SEIAA)**

The Authority perused the item and noted the complaint dated 20.02.2023 received from Smt. Radhamani Krishnankutty Nair. The Authority also noticed that there is an injunction order dated 29.09.2022 in IA 1/22 in OS No. 187/2022 against the operation of the quarry by the Munsiff Court, Ranni.

Authority decided the following:

1. The complaint shall be forwarded to the Tahasildar, Ranni for his remarks, with supporting documents as valid proof.

2. The Complainant shall submit valid proof / documents to prove the allegations.
Necessary reply may be given to the complainant in this regard.

The Authority also decided to keep the case in abeyance till the receipt of the judgment in OS No. 187/2022.

Item No.125.07 **Environmental Clearance issued from DEIAA, Thiruvananthapuram for the Granite Building Stone Quarry Project in Uzhumalakkal Village, Nedumangad Taluk, Thiruvananthapuram by Smt. Shaila Nasar, Director, M/s Al-Nassar Granites Pvt. Ltd - Judgment dated 30.11.2020 in WP (C) No. 26372/2020 - Revalidation of EC- Interim order dated 06.03.2023 in WP(C) No. 7289/2023 (File No. 2793/EC1/2020/SEIAA)**

The Authority deliberated the item with the judgement in WP(C) No. 31599/2022, the interim order dated 06.03.2023 in WP(C) No. 7289/2023, the explanation of the project proponent on the Show Cause notice and the decisions of various SEAC/SEIAA meetings. On detailed verification, the Authority observed that the DEIAA, Thiruvananthapuram issued the EC on 04.04.2017 with one of the condition that the project proponent should have obtained all the mandatory clearances before starting the mining activities. As per the norms prevailing at that point of time, vide OM dated 02.12.2009 of MoEFCC, all the projects involving forest land, wildlife habitat and or located within 10km of the National Park / Wildlife Sanctuary has to obtain prior clearance from forestry and wildlife angle including clearance from the Standing Committee of the National Board for Wildlife (SCNBWL).

In this case , the project area is located at a distance of 6.7km from the boundary of the Peppara Wildlife Sanctuary and the prior clearance from the SCNBWL was mandatory. However, the project proponent without getting the SCNBWL clearance continued the mining activity throughout the period and now applied for the revalidation of EC. The claim of the project proponent that the proposed area for ESZ around Peppara Wildlife Sanctuary is only to a maximum distance of 2.72 km, whereas the project area is 6.70km from the Wildlife Sanctuary has no relevance . The Authority noted that the draft ESZ for Peppara Wildlife Sanctuary was notified on 25.03.2022, whereas the EC was issued far prior to this date. The directions of H'ble

Supreme Court in T.N Godavarman Thirumulpad Vs UOI and the O.M of the MoEFCC dated 08.08.2019 and 16.07.2020 have no retrospective effects. Hence, the explanation submitted against the Show Cause Notice is not satisfactory.

However, Authority decided to hear the project proponent in the next meeting before taking a final decision in the matter. Notice may be issued well in advance.

Item No.125.08 Rectification of Geo Co-ordinates 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, Palakkkad (File No.2929/EC1/2022/SEIAA)

The Authority perused the item and noted the request of the project proponent dated 27.01.2023 for the withdrawal of the application. The Authority had already taken a decision in its 120th meeting and directed SEAC to verify the submission of the project proponent on the basis of the proximity of the forest area. The Authority noted that the SEAC has considered the proposal in its 136th meeting and decided to invite the project proponent for the presentation.

Authority decided to adhere to its earlier decision and the request of the project proponent cannot be considered at this stage.

Item No.125.09 Complaint against Environmental Clearance issued for the Granite Building Stone Quarry Project of Mr. M D Sreenivasan, transferred to M/s. Shivsa Granites LLP (SIA/KL/MIN/294754/2019; 1452/EC2/2019/SEIAA)

The Authority perused the item and noted the complaint received from Sri. John K J on 20.02.2023 regarding the site proposed for afforestation plan submitted by the project proponent for EC. The Authority decided to forward the complaint to the project proponent for his remarks and if the averments raised by the compliment are true, the project proponent shall find out an alternative site for afforestation and submit a detailed afforestation plan with geo-coordinates of the newly proposed area. If the proposed area is not under the ownership of the project proponent, consent from the landowner should be submitted. Further, if the averments of the

complainant are true, the project proponent should also submit the explanation for misrepresenting the facts before the Authority.

Item No.125.10 **Environmental Clearance issued to Sri. K.V. Abraham, Managing Partner, M/s Thomsun Sands and Metals Pvt. Ltd. for the Quarry Project in Sy. No.120/1-23 at Erumely South village, Erumely Panchayath, Kanjirapally Taluk, Kottayam District- Request for Extension letter**
(File No: 963/EC4/4473/2015/SEIAA)

The Authority deliberated the item and noted that the Authority in its 114th meeting directed the Project Proponent to constitute a monitoring committee which was not constituted till date. **The Authority viewed that, this is a disobedience of the direction given by the Authority and decided the following:**

- 1) Before considering the application for extension of EC, SEAC should inspect and verify whether the project proponent has attended all the observations mentioned by SEIAA in its 114th meeting.
- 2) If the monitoring Committee is not constituted, the SEAC shall not consider the application for extension of EC.
- 3) Intimate the decision of the 114th SEIAA meeting to all the members of the Monitoring Committee for necessary action.

Item No.125.11 **Environmental Clearance for the Building Stone Quarry Project in survey Nos.79/2, 80/1A-02, 80/1A-03, 80/1A-04, 80/1A-05, 80/1A-06, 80/1A-07, 80/1A-08, 80/1A-09, 80/1A-10, 80/1A-11, 80/1A-12, 80/1A-13, 80/1A-14, 80/1A-15, 80/1A-16, 80/1A-17, 80/1A-18, 80/1A-19, 80/1A-20, 80/1A-21, Arakuzha Village, Muvattupuzha Taluk, Ernakulam District, Kerala by Mr. Shans Paul, Managing Director, M/s Hanna Rock Products (P) Ltd.- Revalidation**
File No: 1168/EC/SEIAA/KL/2017

The Authority perused the item and noted that the SEAC in its 138th meeting recommended the project for revalidation of EC for 11 years from the date of original EC. The

Authority observed that as per the NGT Order in O.A. No. 186 of 2016 dated 13.09.2018 it is mentioned that “Dispensing with the requirement of Public Hearing which forms a part of the Public Consultation under Stage-III of the Environmental Clearance process under EIA Notification, 2006 for areas measuring 0 to 25 ha for individual mine areas and in cluster situation where public hearing has been provided, has resulted in gross dilution of EIA Notification dated 14th September, 2006. Such dilution would, in our view, result in its misuse by unscrupulous elements and the situation would revert back to the lawless state prevailing prior to the decision in the case of Deepak Kumar (supra). Stringent measures are, therefore, necessary if the rampant exploitation of the minor minerals is to be curbed. This apparently was also the view of the Hon’ble Supreme Court in the case of Deepak Kumar (supra). For all these reasons, we direct that the procedure laid down in the impugned Notification be brought in consonance and in accord with the directions passed in the case of Deepak Kumar (supra) by (i) providing for EIA, EMP and therefore, Public Consultation for all areas from 5 to 25 ha falling under Category B-2 at par with Category B-1 by SEAC/ SIEAA as well as for cluster situation wherever it is not provided;”.

The Authority also observed that in order to comply with the direction of the Hon’ble NGT, the MoEFCC vide its O.M dated 12.12.2018 has directed that “..... public consultation for all areas from 5 to 25ha falling member Category B-2 at par with Category B-1 by SEIAA/SEAC as well as for cluster situation wherever is not provided; and if a cluster or an individual lease size exceeds 5ha, the EIA /EMP be made applicable in the process of grant of prior environmental clearance.....”.

Under these circumstances, the Authority is of the opinion that the environment clearance without Environment Impact Assessment, Environment Management Plan, and Public Consultation does not serve the purpose of environment clearance for mining projects having an area beyond 5ha.

Hence, to ensure environmentally sustainable and socially responsible mining, the Authority decided to direct the Project Proponent to apply for ToR for the EIA study and Public Consultation.

Item No.125.12 **Application for the Environmental Clearance of Expansion of the Building Project, M/s Adlux Medicity & Convention Centre Pvt. Ltd, at Karukutty Village, Aluva Taluk, Ernakulam, Kerala (Older File No. 1186/A2/2018/SEIAA) (Expansion Proposal No: SIA/KL/MIS/273775/2022; 2109/EC3/2022/SEIAA)**

The Authority deliberated the item and noted the decision of various SEAC meeting, the field inspection report and the letter from MoEFCC dated 31.01.2023 enclosing a complaint against the non-compliance to the Environmental Clearance condition relating to the implementation of the prescribed remediation plan. The Authority also observed that the proponent is yet to implement the remediation and natural and community resource augmentation plan as part of the previous EC.

Authority decided the following:

1. The project proponent should submit the clarification / documents sought by the SEAC as part of the implementation of the remediation and natural and community resource augmentation plan and initiate the implementation activities without any delay.
2. The project proponent should submit the required details as sought by SEAC to downsize the approved community resource augmentation plan.
3. The SEAC may further appraise the application after assessing the progress of the implementation of the remediation plan.
4. The SEAC shall examine the complaint forwarded by MoEFCC and provide a report.

Item No.125.13 **Environmental Clearance of Laterite Building Stone Quarry project of Sri. Prince M.P. for an extent of 0.1940 in Re - Survey No-83/2 in Edakattuvayal Village, Kanayannur Taluk, Ernakulam District, Kerala - Rejection order issued (SIA/KL/MIN/141091/2020; 1863/EC3/2020/SEIAA)**

The Authority perused the item and noted that the project proponent has submitted the revised Mining Plan as directed by SEIAA in its 122nd meeting. The Authority decided to refer the case to SEAC for reappraisal and fresh recommendation.

Item No.125.14 **Environmental Clearance accorded to Sri. M.A.M. Babu Moopan, for the Commercial Complex project at Sy. Nos. 424/19, 424/7, 424/11, 424/10, 424/12, 13, 424/12, 424/14, 423/1, 423/4, 5, 423/4, 423/4, 5, 423/3, 8, 9, at Thrikkakara Village, Kalamassery Municipality Panchayat, Kanayannoor Taluk, Ernakulam District, Kerala – (2037/EC3/2022/SEIAA)**

The Authority deliberated the item and noted that the Committee in its 138th meeting recommended to release the Bank Guarantee. The Authority agreed to the recommendation of SEAC to release the Bank Guarantee. Necessary directions may be issued to KSPCB in this regard.

Item No.125.15 **Complaint received from RQP Sri. Reghunadh K., against the misuse of his RQP Certificate and Signature (2230/EC3/2022/SEIAA)**

As intimated by the Authority, the Project Proponents Sri. Mathew and Sri. Mahesh attended the hearing on 28.03.2023. After hearing, the Authority directed the Project Proponents to submit a detailed hearing note within 7 days with necessary supporting documents to substantiate their claims.

Item No. 125.16 **Environmental Clearance for the Mining of Granite Building Stone Quarry project of “Mr. Philip George, Re-Sy. No. 1080/2(P), in Onakkoor Village, Muvattupuzha Taluk, Ernakulum District, Kerala of M/s. Murickans Quarry. (SIA/KL/MIN/287434/2022, 915/SEIAA/EC3/3661/2015)**

The Authority perused the item and noted the request of the project proponent to revise the Environmental Clearance period effective from 14.06.2022 to the life of mine /lease period up to 10.04.2027 as per S.O. 1807(E) dated 12.04.2022. The Authority noticed that the EC was issued on 04.01.2018 for a period of 5 years and life of mine was 5 years. Along with the request, the project proponent submitted the proofs such as lease deed, movement permit and the stock report to substantiate his claim. Authority noted that as per S.O 1807(E), it is mentioned

that ‘in case of mining projects or activities, the validity shall be counted from the date of execution of mining lease’ and as per O.M dated 13.12.2022, ‘the validity of Environmental Clearances, which had not expired on the date of publication of the Notification, i.e. 12.04.2022, shall stand automatically extended to respective increased validity...’.

The Authority noticed that as per the copy of the lease execution agreement, the lease was executed on 11.04.2022 and the movement permit was issued on 14.06.2022. The Project proponent requested the effective date of EC from the date of movement permit and it cannot be accepted. The Authority also noticed that the project proponent has already submitted the application for extension of EC. Under circumstance, the project proponent is not eligible for the benefit of the S.O. No. 1807(E) unless otherwise the project proponent submits a proper request for the extension of validity as per the conditions specified in the S.O. dated 12.04.2022 and the SEAC shall complete the procedure for the extension of EC period.

Item No.125.17 **Environment Clearance for mining permit of Building Stone Quarry owned by M/s Concrete Aggregates Industries over an extent of 2.7340 Ha Re Sy No: 419/2, 419/3, 419/6- 4, 419/6, 419/6-2, 419/6-3, 420/1-2, 420/1-3-2, 420/3, 420/4, 421/3 Pattimattom Village, Kunnathunadu Taluk, Ernakulam, Kerala (SIA/KL/MIN/140563/2020; 1818/EC3/2020/SEIAA)**

The Authority perused the item and noted the observations of SEAC in its 139th meeting. The Authority noted that that the project proponent has no valid EC and has continued the quarrying operations with an approved mine plan prepared based on quarrying lease which was in force on 07.02.2015.

Authority noticed that MoEFCC vide S.O. 2731(E) dated 9th September, 2013, insisted that the prior Environmental Clearance is required at the stage of renewal of mine lease. Further, the NGT vide its order dated 13th January 2015 mentioned that “All the Office Memorandums and Notifications issued by MoEF i.e. 1st December, 2009, 18th May, 2012 and 24th June, 2013 and 24th December, 2013 (except to the extent afore-stated) are operative and would apply to the lease mine holders irrespective of the fact that whether the area involved is more or less than 5 hectares. We further hold that the existing mining lease right holders would also have to comply

with the requirement of obtaining Environmental Clearance from the competent authorities in accordance with law....” Thus , the project proponent has violated the existing EIA Notifications and the directions of the various courts by conducting mining operations without EC.

Authority decided the following:

1. Action has to be taken by the Dept. Mining & Geology for the illegal mining activities and impose penalty under KMMC Rules.
2. Action has to be taken against the project proponent by KSPCB under Environment Protection Act 1986.
3. SEAC shall verify whether the project proponent has carried out the mining outside the lease area. If so, and considering the violation, the environmental damages shall be assessed.

Item No.125.18 **Environmental Clearance for the Mining of Building Stone Quarry project of Mr. Saji Abraham, for an area of 1.4718 ha at Sy. Nos. 917/3B2-2, 917/3B, 917/3B-2, 917/3B1, 917/4-2-3 in Kalloorkkad Village, Muvattupuzha Taluk, Ernakulam, Kerala.**
(SIA/KL/MIN/288750/2022; 2129/EC3/2022/SEIAA)

The Authority perused the item and noted the decision of SEAC in its 139th meeting. The Authority observed that as per the NGT Order in O.A. No. 186 of 2016 dated 13.09.2018 it is mentioned that “Dispensing with the requirement of Public Hearing which forms a part of the Public Consultation under Stage-III of the Environmental Clearance process under EIA Notification, 2006 for areas measuring 0 to 25 ha for individual mine areas and in cluster situation where public hearing has been provided, has resulted in gross dilution of EIA Notification dated 14th September, 2006. Such dilution would, in our view, result in its misuse by unscrupulous elements and the situation would revert back to the lawless state prevailing prior to the decision in the case of Deepak Kumar (supra). Stringent measures are, therefore, necessary if the rampant exploitation of the minor minerals is to be curbed. This apparently was also the view of the Hon’ble Supreme Court in the case of Deepak Kumar (supra). For all these reasons, we direct that the procedure laid down in the impugned Notification be brought in consonance and in accord with the directions passed in the case of Deepak Kumar (supra) by (i) providing for EIA, EMP and therefore, Public Consultation for all areas from 5 to 25 ha falling under Category

B-2 at par with Category B-1 by SEAC/ SIEAA as well as for cluster situation wherever it is not provided;”.

The Authority also observed that in order to comply with the direction of the Hon’ble NGT, the MoEFCC vide its O.M dated 12.12.2018 has directed that “..... public consultation for all areas from 5 to 25ha falling member Category B-2 at par with Category B-1 by SEIAA/SEAC as well as for cluster situation wherever is not provided; and if a cluster or an individual lease size exceeds 5ha, the EIA /EMP be made applicable in the process of grant of prior environmental clearance.....”.

Under these circumstances, the Authority decided to direct the Project Proponent to apply for ToR for the EIA study and Public Consultation.

Item No.125.19 Environmental Clearance for the quarry project in Sy. No. 172(P) at Kodiyathur Village, Kozhikode Taluk, Kozhikode District - Judgment in WP (C) No. 424/2021 dated 07.01.2021 filed by Sri. P. M. Aboobacker, Palakkal Granites - regarding the validity of EC. (File No.137/SEIAA/KL/2567/2013)

The Authority perused the item and noted the request of the project proponent dated 24.02.2023. The Authority observed that there is an adjacent quarry of 2.28ha for which EC was issued by vide 137/KL/2567/2013 dated 16-01-2016. The Director of Mines Safety, Bangalore Region vide their letter no 513521/SZ/Bengaluru Region/Perm Exemp /2020/6632 dated 02/10/2020 permitted to change the mine boundary by amalgamating both the areas. Also the Authority in its 116th meeting directed the proponent to submit the combined Mining Plan after amalgamating the area and apply with a fresh application for a single EC. The contention of the project proponent that the District Geologist cannot approve the amalgamated Mining Plan as per rules because of the expiry of lease period of the EC No.137/SEIAA/KL/2567/2013 dated 26.10.2022 is against rules.

Authority decided to adhere to its earlier decision in its 116th meeting.

Item No.125.20 **Environmental Clearance for Housing Project (Sobha Rio Vista) in Sy. No. 159/28B (p) at Calicut, Feroke Petta (Chandhakadavu), Feroke Village and Panchayath, Kozhikode Taluk, Kozhikode, Kerala by M/s Sobha Developers Ltd. (File No. 371/SEIAA/EC4/2611/2014)**

The Authority perused the item and noted the representation of the project proponent dated 20.02.2023. The Authority observed that the existing EC is operational till 2027 and there is no valid reason submitted by the project proponent to cancel existing EC. The decision taken by the Authority in its 122nd meeting still prevails.

Item No.125.21 **Environmental Clearance for the Quarry Project in Re.Sy.No.172 (pt) at Kodyathur Village, Kodyathur Panchayt, Kozhikode Taluk, Kozhikode District-Judgment in WP (C) No.3510/2021 filed by Sri. P. M. Aboobacker, Palakkal Granites - regarding the validity of EC. (File No.1054/EC4/2021/SEIAA)**

The Authority perused the item and noted the request of the project proponent dated 24.02.2023. The Authority observed that there is an adjacent quarry of 5.0680 Ha for which EC was issued by vide 137/KL/2567/2013 dated 16-01-2016. The Director of Mines Safety, Bangalore Region vide their letter no 513521/SZ/Bengaluru Region/Perm Exemp /2020/6632 dated 02/10/2020 permitted to change the mine boundary by amalgamating both the areas. Also the Authority in its 116th meeting directed the proponent to submit a combined Mining Plan after amalgamating the area and apply with a fresh application for a single EC. The contention of the project proponent that the District Geologist cannot approve the amalgamated Mining Plan as per rules because of the expiry of lease period of the EC No.137/SEIAA/KL/2567/2013 dated 26.10.2022 is against rules.

Authority decided to adhere to its earlier decision in its 116th meeting.

Item No.125.22 **Complaint against the quarry project at Peringome Village, Payyannur Taluk, for the quarry of M/s Southern Granites -reg [File No.1120/EC/SEIAA/KL/2017]**

The Authority perused the item and noticed that the project proponent has submitted the Half Yearly Compliance Report. Authority observed that a decision has already taken in the 121st meeting to inform the Mining & Geology Department to take appropriate action against the Project Proponent for the violation of KMMC Rules, if any. Reply on the same has not been received.

Hence the Authority decided to forward a reminder to the Department of Mining & Geology for the action taken report.

Item No.125.23 **Reconsideration of Rejected Environmental Clearance for mining of Granite Building Stone Quarry project in Survey No 292/1A of Vellad Village, Thaliparamba Taluk, Kannur District, Kerala by Mr. Mathew, M/s Alacode Granites (File No. 1277(A)/EC2/2019/SEIAA)**

The Authority perused the item and noted the request of the project proponent to provide an opportunity of hearing. The Authority decided to hear the project proponent in the next SEIAA meeting. The intimation regarding the hearing shall be given to the project proponent well in advance.

Item No.125.24 **Environmental Clearance for the quarry project in Re. Sy. No.28/1 of Kayanna Village, Koyilandy Taluk, Kozhikode District - Judgment in WP (C) 8003/2021 filed by Sri. U. T. Raveendran - regarding the validity of EC. (File No. 1431/EC4/SEIAA/2021)**

The Authority deliberated the item and noted the reply to the Show Cause Notice submitted by the project proponent. The Authority observed that the KSPCB has not submitted the requested report as per the 123rd SEIAA.

The explanation submitted by the project proponent is not satisfactory and hence, the Authority decided the following:

1. Provide an opportunity to hear the project proponent in the next SEIAA meeting before cancelling the EC under section 8 (vi) of EIA notification 2006. The intimation regarding the same has to be given to the project proponent well in advance.
2. The State Pollution Control Board shall be addressed to provide the report as sought in the 123rd meeting along with a copy of the report submitted to H'ble NGT.
3. As per the statement of the project proponent in its reply to the Show Cause notice, the Authority noted that the quarry is still operating. Hence, in view of the NGT Order, the KSPCB shall clarify, as to how the project proponent continues to operate the quarry.
4. Report shall be sought from the KSPCB on the action taken by the Joint Committee to assess and recover the compensation for the past violations, as per law.

**Item No.125.25 Environmental Clearance for the Proposed Granite Building Stone Quarry Project of Sri. Aby Joy Pottas in Re. Survey No 93 at Raroath Village, Thamarassery Taluk, Kozhikode, Kerala.
(File No. 1328/EC1/2019/SEIAA)**

The Authority deliberated the item and noted the compliant received on 02.03.2023. The Authority decided to inform the complainant that EC was given after observing all the procedures as per EIA Notification 2006. The Authority also decided to intimate the SEAC to conduct the field inspection within one month to verify the alleged violation of EC condition. During field visit, the SEAC has to hear both the complainant and Project Proponent.

Item No.125.26 **Environmental Clearance for the quarry project in Sy.No. 266/1, 266/2, 253/5, 253/15, 253/16 and 253/17 at Cherukavu Village, Kondotty Taluk, Malappuram District by Sri. Mayin Haji, M.C., M/s Calicut Granites (P) Ltd– Judgment dated 19.01.2021 in WP(C) No.1123/2021 - Revalidation of EC – reg : - (File No.676/SEIAA/KL/5356/2014)**

The Authority perused the item and noted that the SEIAA in its 121st meeting decided to take necessary steps by the Standing counsel to vacate the interim stay of the H'ble High Court and the Legal Officer, SEIAA shall prepare a detailed counter explaining the importance of public hearing and preparation of EIA report and EMP to safe guard the environment as made out in the NGT order. However, the Authority observed that the direction of the Authority is yet to be complied with. Authority viewed the lapses seriously and decided to direct the Legal Officer to prepare a detailed counter explaining the importance of Public hearing, within 7 days and file before the H'ble High Court.

Item No.125.27 **Environmental Clearance for the proposed building stone quarry project in Survey No. Q 02/1065 pt in Melmuri Village, Ernad Taluk, Malappuram District, Kerala by Mr. Musthafa Palakkan – Submission of EMP in compliance with the EC condition (File No. 1265/EC2/2019/SEIAA)**

The Authority deliberated the item and noted the revised EMP submitted by the project proponent. The Authority decided to refer the revised EMP to SEAC for examination and for recommendation to revoke the stop memo.

Item No.125.28 **Environmental Clearance for the quarry project of Sri. Abdul Khader K, for the quarry project in Sy Nos. 105 pt & 111pt at Kannamangalam Village & Panchayat, Thirurangadi Taluk, Malappuram – complaint received from Smt. Kadeesumma – reg :- (File No. 846/SEIAA/EC1/2858/15)**

The Authority deliberated the item and noted the complaint received from Smt. Kadesumma. In the complaint it is stated that there is a case in the court of law regarding the maintenance of the road and the complainant has not given consent to utilize the 3m width road in Re-Sy No. 105 for the transportation of mined material. The Authority observed that as per the specific condition No. 5 of the EC, the project proponent has to properly develop the approach road to the quarry. In addition, the project proponent has not been submitted the required documents for revalidation of EC.

In the above circumstances, the Authority decided the following:

- 1) Issue a Show Cause Notice to the project proponent for cancellation the EC due to the noncompliance of the EC condition. The Project Proponent should submit the explanation for the Show Cause Notice within 15 days from the date of Notice.
- 2) As the project proponent has failed to submit the documents for revalidation, the application for revalidation shall be closed at the risk of project proponent.

Authority also decided to inform the complainant about the action taken on the complaint.

Item No.125.29 **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 noted the request of the project proponent dated 24.02.2023. The Authority has already taken a decision in its 123rd meeting regarding the projects located within 10km from the National Parks and Wildlife Sanctuaries. Accordingly, the Project Proponent should submit all the necessary documents as envisaged in minutes of the 123rd SEIAA meeting (Item 123.30). Further, the Authority decided to get explanation from the

project proponent regarding the working of the quarry from 2016 without mandatory wildlife clearance from SCNBWL as per the prevailing norms at the time of issuance of EC.

Item No.125.30 **Environmental Clearance issued to the Quarry Project of Sri. Ummer Kutty K., M/s. Morayoor Granites Pvt. Ltd. in Sy.No.153/2, 154/Pt at Morayur Village, Kondotty Taluk, Malappuram – Order of NGT in Appeal No. 30 of 2020 filed by Sri. Mohammed O. – reg:- (File No. 1239/EC2/2019/SEIAA)**

The Authority deliberated the item and noted that Show Cause Notice issued to the project proponent was undelivered and received back the same with a remarks “not known”. Hence, the same was emailed on 21.03.2023.

Authority decided the following:

1. Give an opportunity for hearing to the project proponent in the next SEIAA meeting before cancelling the EC under section 8(vi) of EIA notification 2006. The intimation regarding the same has to be given to the project proponent well in advance.
2. The Director of Mining & Geology shall be intimated to take action against violation of KMMC Rules by providing a copy of the site inspection report of SEAC.

Item No.125.31 **Environmental Clearance for the Building Stone Quarry Project in Survey Nos. 138(pt), 836(pt), 837(pt), 839(pt), 847(pt) of Killimangalam Village, Thalappilly Taluk, Thrissur, Kerala. – Judgment dated. 29.09.2021 in WP(C) No. 20472/2021 - Revalidation of EC - Reg: - (File No. 855/SEIAA/EC12979/2015)**

The Authority perused the item and noted the request of the project proponent to correct the area mentioned in the revalidation order. The Authority examined the documents and decided to make necessary correction in the revalidation order issued by SEIAA. Necessary correction order may be issued.

Item No.125.32 **Application for Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Abdul Nazer P., for an area of 2.1748 Ha in Survey No. 137/10-13, 137/10-15, 137/10-14, 137/10-11 at Valambur Village, Perinthalmanna Taluk, Malappuram (SIA/KL/MIN/165260/2020; 1977/EC6/2022/SEIAA)**

The Authority deliberated the item and noted the clarification submitted by the project proponent on 21.03.2023. The Authority decided that the Member, SEIAA and the Environmental Scientist will conduct a field inspection under an intimation to Department of Mining & Geology and the Project Proponent.

Item No.125.33 **Environmental Clearance for the Quarry Project in Sy. Nos 2059/1, 2060, 2061, 2063 of Kuttichira Village & Sy Nos. 928, 929, 930, 931, 932/1, 932/2 at Kodassery Village, Kodassery Panchayat, Chalakudy Taluk, Thrissur, Kerala – Judgment dated 02.11.2020 in WP(C) No. 11048 of 2020 - Revalidation of EC- reg:- (File No. 847/SEIAA/EC1/2859/2015)**

The Authority perused the item and noted the report submitted by the District Collector, Thrissur vide Letter No. DCTSR/10419/2019-B6 (B7) dated 04.03.2023.

Item No.125.34 **Proposals for Environmental Clearance in which application for withdrawal is received from project proponents. (File No.96/A1/2021/SEIAA)**

The Authority perused the item and noted the requests of the project proponents to withdraw the applications. The Authority accepted the requests of the Project Proponents to withdraw the applications under an intimation to Mining & Geology Department.

Item No.125.35 **Application for Revalidation of EC for the proposed quarry project of Mr. Biju, Managing Partner, M/s Sahara Granites in Re Survey**

**No. 35/3, 35/2 part, 41 part at Erimayur-1 Village, Alathur Taluk, Palakkad, Kerala
(File No. 146/SEIAA/KL/2747/2013)**

As intimated by the Authority, the project proponent, Sri. Biju, Managing Partner, M/s Sahara Granites attended the hearing on 28.03.2023. After hearing, the Authority directed the project proponent to submit a detailed hearing note within 7 days with necessary supporting documents to substantiate his claims.

**Item No.125.36 Application for Residential Building Project – Kent Mahal of M/s. Kent Constructions Pvt. Ltd., at Sy. Nos. 141/3, 141/4, 141/5 & 141/8 of Puthencruz Village, Vadavucode Puthencruz Grama Panchayat, Kunnathunadu Taluk, Ernakulam, Kerala
(File No. 99/SEIAA/EC3/1481/2013)
(SIA/KL/NCP/57270/2020; 1890/EC3/2019/ SEIAA)**

As intimated by the Authority, Sri. K.C. Raju, Managing Director, Kent Constructions Pvt. Ltd and Adv. Sherin attended the hearing on 28.03.2023. Authority reiterated that their request for EC can be considered only after completion of the entire procedure as detailed in OMs of MoEF&CC dated 14.3. 2017, 8.3.2018 and 7.7. 2021 pertaining to issuing EC for violation cases. After hearing, the Authority directed the project proponent to submit a detailed hearing note within 7 days with necessary supporting documents to substantiate their claims.

**Item No.125.37 Environmental clearance for the proposed quarry project of Mr. K.V. Moideenkoya, M/s Kallarattikkal Granites in Block No.22, Sy No. 163 and in Block No.27, Sy Nos. 2/2-2, 2/4-3, 2/4-2, 3/1-2, 2/3, 2/2-3, 2/4-4, 2/4-5 at Urangattiri Village, Ernad Taluk, Malappuram, Kerala
(File No. 1230/EC2/2019/SEIAA)**

As intimated by the Authority, Advocate Syam Kumar on behalf of the project proponent attended the hearing on 28.03.2023. After hearing, the Authority directed the project proponent to

submit a detailed hearing note within 7 days with necessary supporting documents to substantiate their claims.

Item No. 125.38

**Environmental Clearance issued to the Granite Building Stone Quarry of M/s A-One Sands Pvt. Ltd in Block No.23, Re survey No. 452, 441/1, 441/2, 435, 440/1, 440/2, 436 at Muthalamada –I Village, Chittur Taluk, Palakkad District- Interim Order dated 01.02.2022 in WP(C) No. 3305 of 2022(K)
(SIA/KL/MIN/187395/2020; 747/EC1/180/2015/SEIAA)**

The Authority deliberated the item and noted the reply to the Show Cause notice submitted by the project proponent on 19.03.2023. The Authority noted that in the reply submitted by the project proponent, it is mentioned that the proposed area is at a distance of more than 3km from the Parambikulam Tiger Reserve and more than 1.72km from the Anamalai Tiger Reserve. As per O.M. dated 16.07.2020 para 3(iii), it is essential that proposals involving activities / project, falling outside the protected areas linking one protected area or tiger reserve with another protected area or tiger reserve prior clearance from the Standing Committee of the National Board for Wildlife is required, as per the section 38 O(1)(g) of the Wildlife Protection Act, 1972.

The Authority had already taken a decision in its 123rd meeting with respect to those projects falling in ESA villages and within 10km radius from the National Parks and Wildlife Sanctuaries and other Protected Areas. Accordingly, the Project Proponent should submit all the necessary documents as envisaged in minutes of the 123rd SEIAA meeting (Item 123.29 & 123.30). In addition to this, the project proponent should submit the certificate from the forest authorities of both Anamalai Tiger Reserve and Parambikulam Tiger Reserve stating that the proposed project area is not falling in the area that linking both the tiger reserves. As per the report of the Nenmmra DFO dated 30.11.2022, the lands proposed for establishing the quarry are lands derived from Vengunadu Kovilakam of Kollengode and rights issued to tenants for agriculture purpose. Since, the H'ble High Court vide its judgement dated 25.05.2022, prohibited quarrying activities in the assigned land, the project proponent has to submit non-

assignment certificate from the village officer. Further, the Authority also decided that the explanation received would be considered after getting said documents.

Item No.125.39 **Amendment No. S.O.1807 (E) dated 12/4/2022 in the EIA Notification S.O.1533 (E) dated 19/9/2006 - Procedure for revalidation (File No. 1497/A1/2022/SEIAA)**

The Authority requested the Environment Scientist in SEIAA to put up a detailed Agenda note narrating the entire range of developments that have taken place chronologically starting from EIA notification 2006, OMs dated 12.4.22 and 13.12. 22, the directions of IRO Bangalore, the directions of H'ble High court, the views taken by SEIAA to protect the environment in the project region subsequent to issuance of above OMs and the directions of H'ble High court, so that a holistic view can be taken by the Authority for sustainable mining in the state.

Item No.125.40 **Environmental Clearance was issued from MoEF & CC on 12-02-2016 to M/s TRIF Kochi Projects Ltd. for the construction of Residential Building “Cochin Residential Development Project” in Sy. No. 843 part of Eanakulam Village, Kerala (File No. 504/ EC3/2023/SEIAA)**

The Authority perused the item and noted the email dated 27.02.2023 from MoEF & CC with respect to the construction of residential building without obtaining wildlife clearance from the SCNBWL (Mangalavanam Bird Sanctuary). Besides it is noted that the project proponent had constructed the residential building in “**No Development Zone**” by violating the Specific Condition No. 4 of the EC. In these circumstances, the Authority decided to refer the case to SEAC along with the report of MoEF&CC for site visit and report.

Item No.125.41 **EIA Notifications and Office Memorandums related to Environmental Clearance by MoEF (File No.215/EC5/2022/SEIAA)**

Noted

Item No.125.42 **Review of pending Court Cases before the Hon'ble NGT & Hon'ble High Court**

Action taken by Legal Officer is noted. However both JS and Legal officer are once again requested to be more vigilant on the decisions taken by Authority on court cases and CCC petitions. Copy of the approved minutes shall be marked to Legal officer for her perusal and follow up action under the supervision of JS.

Item No.125.43 **Environmental Clearance issued for the Granite Building Stone Quarry of Sri. C. Krishna Pillai in Block No - 27, Re-Sy Nos. 283/1pt, 283/2pt, 283/4, 296/3pt at Ezhumattoor Village, Mallapally Taluk, Pathanamthitta, Kerala – Complaint received from Smt. Usha Mohan (SIA/KL/MIN/165625/2020; 1440/EC1/2019/SEIAA)**

The Authority perused the item and discussed the field inspection report. **The Authority decided the following.**

- 1) Suspend Environmental Clearance EC No. 53/Q/2022 dated 20.07.2022 for 6 months as major non compliances of general conditions are observed.
- 2) Project Proponent is directed to rectify/comply applicable EC conditions and the field observations within this period. (Furnish a copy of Inspection Report)
- 3) There are 63 buildings within 200 m radius of the quarry as per the Survey Map certified by the Village Officer. Some of the houses were built directly on rock exposures. So the Project Proponent has to conduct Vibration studies to evaluate the zone of influence and impact of blasting on the neighbourhood as suggested in Para (e) of OM No Z -

11013/57/2014-IA.II (M) dated 29-10-2014 of MoEF&CC by an agency of national repute.

- 4) After receiving the rectification/compliance report and detailed vibration study report SEAC shall relook the proposal and recommend on future functioning of the quarry with additional conditions if any. This may be done within one month after receipt of reports.

PARIVESH FILES

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No. 1 **Environment Clearance for the Granite Building Stone Quarry of Sri. Shafir P. for an area of 1.5046 Ha at Block No. 1 Re-Sy Nos. 374/782, 374/509, 374/510 in Valat Village, Mananthavady Taluk, Wayanad, Kerala
(SIA/KL/MIN/130005/2019; 1568/EC2/2019/SEIAA)**

Sri. Shafir P, MPK Manzil, Theroor P O, Edayannur, Keezhallur, Kannur 670595 sought Environmental Clearance for the Granite Building Stone Quarry in Block No. 1, Re-Sy Nos. 374/782, 374/509, 374/510 of Valad Village, Mananthavady Taluk, Wayanad.

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 1, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per approved mining plan mine life is 5 years. After the due appraisal, the SEAC in its 139th 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 amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA*

- before commencing the mining activity.*
- 3. A buffer distance of 50m from the farm shed should be maintained. The scheme of mining and the quantity of mining should be modified accordingly.*
 - 4. Impact of vibration due to blasting on the houses and built structures within 200m should be monitored in terms of peak particle velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.*
 - 5. Compensatory afforestation should be done from the 1st year itself and the coordinates and geo-tagged photographs of the site shall be submitted in HYCR.*
 - 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. Outflow channel from the abandoned pit should be enlarged to contain the entire overland flow of the adjacent slopy region of the quarry.*
 - 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 HYCR.*
 - 9. Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
 - 10. The overburden dumping site should be protected with gabion walls to prevent erosion.*
 - 11. The haulage road for about 100m should be developed prior to the commencement of mining activities. It should be maintained well and dust-free with permanent sprinkling arrangement.*
 - 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 rest room facilities should be provided to the workers.*

14. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least 20% of the energy requirement of the project should be met from the solar power.
15. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.
16. Buffer zones should be demarcated and planted with local plants, climbers, and herbs as mentioned in the biodiversity assessment report.
17. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority
18. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
19. As the project site is located in an abandoned quarry the possible and relevant final mine closure activities as per the previous approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly completion report.
20. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.
21. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.
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 MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
24. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No. 2 **Environment Clearance for the Granite Building Stone Quarry of Sri. Sibi Peter for an area of 2.9249 Ha in Survey Nos. 253/62, 253/356, 253/349 Valad Village, Mananthavady Taluk, Wayanad (SIA/KL/MIN/133062/2019; 1576/EC2/2019/SEIAA)**

Sri. Sibi Peter, House No.TP-XX/41, Tholakkara, Valad P.O, Thalapuzha Via, Mananthavady, Wayanad vide application received on 22.04.2020, sought Environmental Clearance for the proposed Granite Building Stone Quarry for an area of 2.9249 Ha in Survey Nos.- 253/62, 253/356, 253/349 of Valad Village, Mananthavady Taluk, Wayanad, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, EIA Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. Mine life as per approved mining plan is 12 years. After the due appraisal, the SEAC in its 138th meeting recommended EC for a Project Life of 12 years with certain Specific Conditions in addition to the General Conditions.

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

opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

The Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan, and then to extend the EC period to cover the project life of 12 years, from the date of execution of mine lease / permit, 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.

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 amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The EC issued will be subject to a review by SEAC after 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. Compensatory afforestation should be done from the 1st year itself and the coordinates and geo-tagged photographs of the site shall be submitted in 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 should be enlarged to contain the entire overland flow of the adjacent sloppy region of the quarry.*

7. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
8. *Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.*
9. *The overburden dumping site should be protected with gabion walls.*
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. *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. *The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.*
13. *Adequate sanitation, waste management, and rest room facilities should be provided to the workers.*
14. *Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
15. *The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
16. *Buffer zones should be demarcated and planted with local plants, climbers and herbs as mentioned in the biodiversity assessment report.*
17. *Change the boundary pillars with concrete pillars of 4ft height with a minimum size of 4 inch x 4 inch.*
18. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*

19. *As the project site is located in an abandoned quarry the possible and relevant final mine closure activities as per the previous approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly completion report.*
20. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
21. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
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 MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

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

Item No. 3 **Environment Clearance for Ordinary Earth Project of Mr. Binu K. Alias, Kizhakkethenattumoolayil House, Vadayambady P.O., for an extent of 0.6200 ha at Block No. 49 Re-Sy Nos. 132/5, 132/6, 132/14, 132/22 in Aikarand South Village, Kunnathunad Taluk, Ernakulam, Kerala (SIA/KL/MIN/135339/2020; 2027/EC3/2022/SEIAA)**

Sri. Binu K. Alias, Kizhakkethenattumoolayil House, Vadayambady P.O, applied for Environmental Clearance for the mining of Ordinary Earth Project, for an extent of 0.6200 Ha at Block No. 49, Re-Sy. Nos: 132/5, 132/6, 132/14, 132/22, in Aikarand South Village, Kunnathunad Taluk, Ernakulam.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form 1, Pre-Feasibility Report and Mining Plan. After the due appraisal, the SEAC in its 139th 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, subject to the following Specific Conditions in addition to the General Conditions.

- 1. Instead of the extraction depth in the mining plan (i.e., up to 18m), the project proponent shall extract soil to a depth of 2m below ground level leaving a buffer of 50m between the boundary of the proposed pit and the nearest building subject to other specific conditions of the EC.*
- 2. The quantity of ordinary earth to be extracted should be revised by the Mining and Geology Department as per the specific condition no. 1 and issue permit accordingly.*
- 3. The Project Proponent shall should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 4. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit/lease order should be provided to the*

- SEIAA before commencing the mining activity.*
- 5. The activity associated with borrowing/excavation of brick earth and ordinary earth should not involve blasting*
 - 6. The borrowing/excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
 - 7. The borrowing/excavation activity should be restricted to 2m above the ground water table at the site.*
 - 8. The borrowing/excavation activity should not alter the natural drainage pattern of the area.*
 - 9. The borrowed/excavated pit should be restored by the project proponent for useful purposes.*
 - 10. Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap.*
 - 11. Measures should be taken to prevent dust emission by covering of borrowed/excavated earth during transportation.*
 - 12. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth.*
 - 13. Workers/labourers should be provided with facilities for drinking water and sanitation.*
 - 14. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
 - 15. A minimum distance of 15m from any civil structure should be kept from the periphery of the excavation area.*
 - 16. 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.*
 - 17. 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.*
 - 18. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
 - 19. Measures incorporated in the CER should be implemented as per norms.*

20. 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).

Item No. 4 **Environmental Clearance for the proposed Granite Building Stone Quarry Project of M/s Surya Crusher & Hollow at Re-Sy. Nos. 9/1A, 335 in Kolavallur Village, Thalassery Taluk, Kannur, Kerala (SIA/KL/MIN/136899/2020; 1830/EC4/2020/SEIAA}**

Sri. Ravi Paleri, Proprietor, M/s Surya Stone Crusher & Hollow Bricks, Kalluvalappu, Cheruparamba P.O, Kannur submitted an application through PARIVESH for Environmental Clearance for the proposed Granite Building Stone Quarry Project for an area of 2.0233 Ha, at Re-Sy. Nos. 9/1A, 335 in Kolavallur Village, Thalassery Taluk, Kannur.

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, EIA Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per approved mining plan, mine life is 10 years. After the due appraisal, the SEAC in its 138th meeting recommended EC for a Project Life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

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 execution of mine lease / permit, 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.

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 amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The EC issued will be subject to a review by SEAC after 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. Due to mining there will be a quarry pit developed with a depth around 25m. Therefore adequate protective measures should be taken as a precaution to accidents.*
- 5. Compensatory afforestation should be done from the 1st year itself and the coordinates and geo-tagged photographs of the site shall be submitted in HYCR.*
- 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 should be enlarged to contain the entire overland flow of the adjacent slopy region of the quarry.*
- 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 HYCR.*
- 9. Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream.*

Geotagged photographs of the drainage and sampling site should be submitted along with HYCR

- 10. The overburden dumping site should be protected with gabion walls to prevent erosion.*
- 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 and dust-free with sprinkling arrangement. The local road passing through the project site shall not be damaged and if required the maintenance operations may be carried out under CER.*
- 13. Adequate sanitation, waste management, and rest room facilities should be provided to the workers*
- 14. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
- 15. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
- 16. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
- 17. Buffer zones should be demarcated and planted with local plants, climbers and herbs as mentioned in the biodiversity assessment report.*
- 18. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
- 19. The maximum water column should be limited to 10m bgl, accordingly appropriate drainage mechanism should be adopted.*
- 20. If the abandoned quarry located near to the site belong to project proponent, he/she shall carry out final closure plan within 6 months as per the approved mine closure*

- plan and submit the progress of the closure activities along with the HYCR.*
- 21. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
 - 22. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
 - 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 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.*
 - 25. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No. 5

Environmental Clearance for the proposed Granite Building Stone Quarry Project of M/s Sainaba Granites, at Re-Sy. Nos. 159/447 (159/1A1) in Thinur Village, Vadakara Taluk, Kozhikode, Kerala (SIA/KL/MIN/140565/2020; 1744/EC4/2020/SEIAA)

Smt. Sainaba V.P, Partner, M/s Sainaba Granites, Indhira Nagar P.O, Kozhikode-673506 submitted an application through PARIVESH for Environmental Clearance for the proposed Granite Building Stone Quarry Project for an area of 0.9996 Ha, in Re-Sy. Nos. 159/447 (159/1A1) in Thinur Village, Vadakara Taluk, Kozhikode.

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 1, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. Life of mine as per application is 5 years. After the due appraisal, the SEAC in its 139th 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 of 165117 MT by limiting the depth of mining to 100m amsl, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The depth of mining should be limited to 100m amsl and the quantity of extraction shall be reduced to 165117 MT. The scheme of mining should be prepared and approved by Mining and Geology Department accordingly.*
- 2. The transport (moving) permit shall be issued only after getting the approval of the District Level Crisis Management Group for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014.*
- 3. 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.*
- 4. 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.

- 5. The quarrying in the site shall be permitted only after getting the approval of the District level Crisis Management Committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014.*
- 6. The mining should start from the western part of the quarry and proceed to the east and reducing the slope of the terrain.*
- 7. Prevent any water logging in the area since the clay content of the soil is slightly elevated.*
- 8. Natural drainage should not be prevented while building haulage road. Wherever drains cross roads, proper culverts should be constructed to allow for the free flow of surface water.*
- 9. 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.*
- 10. Outflow channel should be enlarged to contain the entire overland flow of the quarry and its surroundings.*
- 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 HYCR.*
- 12. Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 13. Buffer zones should be demarcated and planted with local plants, climbers and herbs as mentioned in the biodiversity assessment report. Grow native plants and trees in the areas close to the quarry site. More Bamboo sp. must be planted in the buffer zone and surrounding areas to prevent soil erosion.*
- 14. The loose boulders spread over the project area should be removed cautiously as per the boulder removal plan submitted to SEIAA.*
- 15. Compensatory afforestation should be done from the 1st year itself and the coordinates and geo-tagged photographs of the site shall be submitted in HYCR.*

16. *Because of the thinness of the soil column, use geotextiles on the slopes to prevent soil erosion.*
17. *Plans for proper terrain restoration should be implemented.*
18. *Impact of vibration due to blasting on the nearest houses and built structures upto 200m should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
19. *The overburden dumping site should be protected with gabion walls with weep holes.*
20. *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).*
21. *The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with permanent sprinkling arrangement.*
22. *Adequate sanitation, waste management, and rest room facilities should be provided to the workers.*
23. *Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
24. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
25. *The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
26. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
27. *If the abandoned quarry located near to the site belong to project proponent, he/she shall carry out final closure plan within 6 months as per the approved mine closure plan and submit the progress of the closure activities along with the HYCR.*
28. *Necessary slope stabilization measures should be developed as recommended in the landslide vulnerability study submitted before SEIAA.*
29. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*

30. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.
31. 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.
32. 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.
33. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.6

**Environmental Clearance for the Building Stone Quarry project of Sri. K.V Bhaskaran at Re-Sy. Nos. 179/1, 182/1, 2, in Kayyur Village, Hosdurg Taluk, Kasargod, Kerala.
(SIA/KL/MIN/142587/2020; 1665/EC2/2020/SEIAA)**

Sri. K.V Bhaskaran, submitted an application for Environmental Clearance via PARIVESH Portal for the Granite Building Stone Quarry, for an area of 0.6355ha at Re-Sy Nos. 179/1, 182/1, 2 in Kayyur Village, Hosdurg Taluk, Kasargod.

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 1, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per approved mining plan mine life is 5 years. After the due appraisal, the SEAC in its 136th 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 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. Both the natural streams should be protected without any obstruction for allowing discharge especially during the rainy seasons.*
- 4. Compensatory afforestation plan should be implemented from the 1st year itself and the geo-coordinates and geo-tagged photographs of the area shall be submitted in HYCR.*
- 5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.*
- 6. Garland drain should be enlarged to carry the entire overland flow of the adjacent slopy region of the quarry.*
- 7. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
- 8. 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.*

9. *Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
10. *The overburden dumping site should be protected with gabion walls to prevent erosion.*
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. *The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.*
14. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
15. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
16. *Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least, 20% of the energy requirement of the project should be met from the solar power.*
17. *The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
18. *Boundary Pillars should be properly marked and fencing should be done properly*
19. *As the project site is located in an abandoned quarry the possible and relevant final mine closure activities as per the previous approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly completion report.*
20. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
21. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be*

implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.

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 MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
24. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.7 **Environmental Clearance for the Granite Building Stone quarry of Sri. V.V Divakaran at Block No. 26, Re-Sy Nos. 355/2, 355/5 at Muthuthala Village, Pattambi Taluk, Palakkad, Kerala (SIA/KL/MIN/142845/2020; 1409/EC2/2019/SEIAA)**

Sri. V.V Divakaran submitted application for Environmental Clearance via PARIVESH for the Granite Building Stone quarry over an extent of 1.3990 Ha at Block No. 26, Re-Sy Nos. 355/2, 355/5 in Muthuthala Village, Pattambi 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, EIA Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved

mining plan the mine life is 10 years. After the due appraisal, the SEAC in its 139th meeting recommended EC for a Project Life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

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 execution of mine lease / permit, 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.

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 amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The EC issued will be subject to a review by SEAC after 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. Removal of sandal trees from the site should be done after obtaining permission from the Forest department. Sandal should be planted in 20 cents within 1 acre proposed for compensatory afforestation. Necessary technical input for sandal planting and for nursery*

stock institutions like KFRI may be contacted. The planted sandal seedlings shall be nurtured till the end of project period.

- 5. Buffer zones should be demarcated and planted with local plants, climbers and herbs as mentioned in the biodiversity assessment report.*
- 6. Impact of vibration due to blasting on the houses and built structures within 200m from the project boundary should be monitored in terms of peak particle velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.*
- 7. Compensatory afforestation should be done from the 1st year itself and the coordinates and geo-tagged photographs of the site shall be submitted in HYCR.*
- 8. 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.*
- 9. Garland drain should be enlarged to contain the entire overland flow of the adjacent slope region of the quarry.*
- 10. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
- 11. Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
- 12. The overburden dumping site should be protected with gabion walls with weep holes.*
- 13. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 14. The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with permanent sprinkling arrangement.*
- 15. Adequate sanitation, waste management, and rest room facilities should be provided to the workers.*
- 16. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
- 17. Adequate facilities should be adopted to harvest the rainwater as per the guidelines*

issued by the Central Groundwater Authority

- 18. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
- 19. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
- 20. As the project site is located in an abandoned quarry the possible and relevant final mine closure activities as per the approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly completion report.*
- 21. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 22. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
- 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 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.

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

Item No.8 **Environment Clearance for Granite building stone quarry project of Mr. Jiji P Ulahannan, for an area of 0.7091 Ha at Sy No. 73/1B, 73/2B in Muvattupuzha Village, Muvattupuzha Taluk, Ernakulam, Kerala (SIA/KL/MIN/143147/2020; 1755/EC3/2020/SEIAA)**

Sri. Jiji P. Ulahannan applied for Environmental Clearance for the Granite Building Stone Quarry Project, for an extent of 0.7091 Ha at Sy No. 73/1B, 73/2B in Muvattupuzha Village, Muvattupuzha Taluk, Ernakulam, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 1, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 3 years. After the due appraisal, the SEAC in its 139th 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 of 83083 MT by limiting the depth of mining to 45m amsl, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The depth of mining should be limited to 45m amsl and the quantity of extraction shall be reduced to 83083 MT. The scheme of mining should be prepared and approved by Mining and Geology Department accordingly.*
- 2. 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.*

3. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
4. *Impact of vibration due to blasting on the houses and built structures within 200m distance from the project boundary 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. *Buffer zones should be demarcated and planted with local plants, climbers and herbs as mentioned in the biodiversity assessment report.*
6. *Compensatory afforestation should be done from the 1st year itself and the coordinates and geo-tagged photographs of the site shall be submitted in HYCR.*
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. *Garland drain should be enlarged to contain the entire overland flow of the adjacent slopy region of the quarry.*
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 HYCR.*
10. *Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
11. *The overburden dumping site should be protected with gabion walls.*
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). The road shall be developed to facilitate better transportation.*
13. *The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with permanent sprinkling arrangement.*
14. *Adequate sanitation, waste management, and rest room facilities should be provided to the workers.*
15. *Adequate energy conservation measures proposed should be implemented including*

solar power installations for street lights and office. At least 20% of the energy requirement of the project should be met from the solar power.

- 16. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
- 17. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
- 18. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
- 19. If the abandoned quarry located near to the site belong to project Proponent he / she shall carry out final mine closure within 6 months as per the approved mine closure plan and the activities so carried out shall be mentioned in the half yearly completion report.*
- 20. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 21. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
- 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 MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area*

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

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

Item No.9

**Environment Clearance for the Granite Building Stone Quarry project of Sri. A. M. Chackochan for an area of 0.9993 Ha at Re-Survey Nos. 109/3 & 121/2 in Elamadu Village, Kottarakara Taluk, Kollam, Kerala
(SIA/KL/MIN/146306/2020; 1676/EC2/2020/SEIAA)**

Sri. A. M. Chackochan Managing Partner Aishwarya Granites, Arkkannoor P.O, Elavinmoodu, Ayoor, Kollam, sought Environmental Clearance for the proposed Granite Building Stone Quarry for an area of 0.9993 Ha at Re-Sy Nos. 109/3 & 121/2 in Elamadu Village, Kottarakara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the proposal based on Form 1, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 5 years. After the due appraisal, the SEAC in its 138th 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 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. *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. *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.*
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 lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
13. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
14. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*

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. *As the project site is located in an abandoned quarry the possible and relevant final mine closure activities as per the previous approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly completion report.*
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 should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
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 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.*

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

Item No.10 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Kunhalan K., for an area of 0.8165 Ha at Block No. 59 at Re-Sy Nos. 211/1, 211/3-2 in Pulpatta Village, Ernad Taluk, Malappuram District (SIA/KL/MIN/148123/2020; 1658/EC6/2020/SEIAA)**

Sri. Kunhalan.K, S/o Muhammed, Thakkamkulam House, Amayur P.O, Malappuram submitted an application in SEIAA through PARIVESH for Environmental Clearance for the Granite Building Stone Quarry for an area 0.8165 Ha at Block No. 59, Re-Sy Nos. 211/1, 211/3-2 in Pulpatta Village, Ernad Taluk, Malappuram.

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 1, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per approved mining plan mine life is 5 years. After the due appraisal, the SEAC in its 138th 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 amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*

3. *Compensatory afforestation should be done from the 1st year itself and the coordinates and geo-tagged photographs of the site shall be submitted in HYCR.*
4. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
5. *Garland drain should be enlarged to contain the entire overland flow of the adjacent slopy region of the quarry.*
6. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
7. *Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
8. *The overburden dumping site should be protected with gabion walls to prevent erosion.*
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 and dust-free with sprinkling arrangement.*
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 lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
13. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
14. *The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*

15. *Buffer zones should be demarcated and planted with local plants, climbers and herbs as mentioned in the biodiversity assessment report.*
16. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.*
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 should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
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 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.*
21. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.11

Environment Clearance for the proposed Granite Building Stone Quarry of Mr. P.V Paul, for an extent of 0.9905 Ha at Re-Sy No. 263/1 in Thuravoor- Village, Aluva Taluk, Ernakulam, Kerala (SIA/KL/MIN/148486/2020; 1640/EC3/2020/SEIAA)

Sri. P.V Paul, applied for Environmental Clearance for the mining of Granite Building Stone Quarry Project, for an extent of 0.9905 Ha at Re. Sy No. 263/1 in Thuravoor Village, Aluva Taluk, Ernakulam.

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 1, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per approved mining plan mine life is 5 years. After the due appraisal, the SEAC in its 139th 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 amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
- 4. Buffer zone should be demarcated and green belt should be developed all along the zone using trees, herbs and climbers of indigenous species.*

5. *Compensatory afforestation plan should be implemented from the 1st year itself and the geo-coordinates and geo-tagged photographs of the site shall be submitted in HYCR.*
6. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.*
7. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
8. *Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
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 and maintained well and dust-free with permanent sprinkling arrangement.*
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 lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
14. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
15. *The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
16. *If the abandoned quarry located near to the site belong to project Proponent, he / she shall carry out final mine closure within 6 months as per the approved mine closure plan.*
17. *Ensure noise level during quarry operation within prescribed limits.*

18. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
19. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
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 MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
22. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.12

**Environmental Clearance for the proposed Granite Building Stone Quarry Project of Sri. M. P. Lalu at Re-Sy. Block No. 37, Re-Sy. Nos. 74/1D pt, 74/608 pt in Kuttur Village, Payyannur Taluk, Kannur, Kerala
(SIA/KL/MIN/149209/2020; 1700/EC4/2020/SEIAA)**

Sri. M. P. Lalu, S/o M. K. Pavithram, Mankudy House, Kodanad P.O, Kurichilakode, Ernakulam submitted an application through PARIVESH for Environmental Clearance for the Granite Building Stone Quarry Project for an area of 1.4336 Ha, at Re-Sy Block No. 37, Re-Sy Nos. 74/1Dpt, 74/608 pt in Kuttur Village, Payyannur Taluk, Kannur, 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, EIA Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 12 years. After the due appraisal, the SEAC in its 135th meeting recommended EC for a Project Life of 12 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

The Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan, and then to extend the EC period to cover the project life of 12 years, from the date of execution of mine lease / permit, 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.

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

- 1. All the observations/directions made by the Joint Committee and the NGT for the adjacent quarry should be followed during the operation of the quarry.***
- 2. 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.*
- 3. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
 - 4. 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.*
 - 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. Compensatory afforestation/green belt plan should be implemented from the 1st year itself and the coordinates and geo-tagged photographs of the proposed site shall be submitted along with the HYCR.*
 - 7. Garland drain should be enlarged to carry the entire overland flow of the adjacent slopy region of the quarry.*
 - 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 HYCR.*
 - 9. Monitoring of drainage water should be carried out at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.*
 - 10. The overburden dumping site should be protected with gabion walls to prevent erosion.*
 - 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 and dust-free with sprinkling arrangement.*
 - 13. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
 - 14. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
 - 15. Adequate facilities should be adopted to harvest the rainwater as per the guidelines*

issued by the Central Groundwater Authority.

- 16. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
- 17. Buffer zones should be demarcated and green belt should be developed by planting trees, climbers and herbs of local species as mentioned in the biodiversity assessment report.*
- 18. Boundary Pillars should be properly marked and fencing should be done properly.*
- 19. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 20. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
- 21. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 22. 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.*

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

Item No.13 **Environmental Clearance for the Granite Building Stone Quarry of Mr. Kuttiamu Haji P. M. for an area of 0.8577 Ha at Survey No.174 in Cherukavu Village, Kondotty Taluk, Malappuram (SIA/KL/MIN/151053/2020; 1817/EC6/2020/SEIAA)**

Sri. Kuttiamu Haji P.M, P.M.K. House, Pallikkal P.O, Malappuram submitted an Environmental Clearance application in SEIAA through PARIVESH for the Granite Building Stone Quarry for an area of 0.8577 Ha at Survey No. 174 in Cherukavu Village, Kondotty Taluk, Malappuram.

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 1, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per approved mining plan mine life is 5 years. After the due appraisal, the SEAC in its 139th 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 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. There is a school at a distance of 102m. Hence blasting time and mineral transportation should be fixed in consultation with school authorities.*

4. *A temporary wall of 4m height should be provided connecting the boundary pillars BP2-BP1-BP6-BP5 facing the main road*
5. *A buffer distance of 50m should be provided from the project boundary to the reported tool shed near BP3.*
6. *Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
7. *Buffer zone should be demarcated and green belt should be developed all along the zone using trees, herbs and climbers of indigenous species.*
8. *Compensatory afforestation plan should be implemented from the 1st year itself and the geo-coordinates and geo-tagged photographs of the site shall be submitted in HYCR.*
9. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.*
10. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
11. *Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
12. *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.*
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. CER activities should be done in consultation with the school authorities.*
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 developed and maintained well and dust-free with sprinkling arrangement. Quarrying operation should hinder the public to use the private road.*

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 for street light and office . At least 20% of the energy requirement of the project should be met from the solar power.
18. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority
19. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.
20. As the project site is located in an abandoned quarry the possible and relevant final mine closure activities as per the previous approved mining plan shall be carried out and the activities so carried out shall be mentioned in the half yearly completion report.
21. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.
22. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.
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 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.

25. 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 Project of Sri. Shaukathali, A.K for an area of 1.3230 Ha at Survey Nos. 51/52-1 in Pullippadam Village, Nilambur Taluk, Malappuram (SIA/KL/MIN/163826/2020; 1837/EC6/2020/SEIAA)

Sri. Shaukathali A.K, Ayanikuth House, Pullippadam P.O, Malappuram submitted an Environmental Clearance application in SEIAA through PARIVESH for the Granite Building Stone Quarry for an area of 1.3230 Ha at Survey Nos. 51/52-1 in Pullippadam Village, Nilambur Taluk, Malappuram.

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, EIA Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan the mine life is 10 years. After the due appraisal, the SEAC in its 139th meeting recommended EC for a Project Life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

The Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity of 282353 MT by limiting the depth of mining at 20m amsl, and then to extend the EC period to cover the project life of 10 years, from the date of execution of mine lease / permit, 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.

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

- 1. The depth of mining should be limited to 20m amsl considering the depth of water table and the quantity of extraction shall be reduced to 282353 MT. The scheme of mining should be prepared and approved by Mining and Geology Department accordingly.*
- 2. 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.*
- 3. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 4. 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.*
- 5. Development of green belt to be initiated prior to the commencement of mining operation.*
- 6. Compensatory afforestation to 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.*
- 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. *The haulage road should be maintained well with frequent sprinkling.*
14. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
15. *Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
16. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
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 should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
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 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.

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

Item No.15

Environmental Clearance for the Granite Building Stone Quarry of Sri. Sameer P. for an area of 2.7047 Ha at Re-Sy. Nos. 237/2, 237/1, 237/1-2 in Nediyruppu Village, Kondotty Taluk, Malappuram (SIA/KL/MIN/173485/2020; 1834/EC6/2020/SEIAA)

Sri. Sameer.P, Parakkal House, Melangadi P.O, Kondotty, Malappuram submitted an Environmental Clearance application in SEIAA through PARIVESH for the Granite Building Stone Quarry for an area of 2.7047 Ha at Re. Sy. Nos. 237/2, 237/1, 237/1-2 in Nediyruppu Village, Kondotty Taluk, Malappuram.

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, EIA Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 12 years. After the due appraisal, the SEAC in its 139th meeting recommended EC for a Project Life of 12 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

The Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan, and then to extend the EC period to cover the project life of 12 years, from the date of execution of mine lease / permit, 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.

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 amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The EC issued will be subject to a review by SEAC after 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. The quarrying in the site shall be permitted only after getting the approval of the District level Crisis Management Committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014.*
- 5. Road to the project area shall be widened before the initiation of mining activity.*
- 6. Water harvesting measures are to be adopted before the initiation of mining activity.*
- 7. Impact of vibration due to blasting on the nearest houses and built structures, especially the school building 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. Buffer zone should be demarcated and green belt should be developed all along the zone using trees, herbs and climbers of indigenous species.*
- 9. Compensatory afforestation plan should be implemented from the 1st year itself and the geo-coordinates and geo-tagged photographs of the site shall be submitted in HYCR.*

10. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest 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 HYCR.*
12. *Monitoring of drainage water should be carried out at different seasons by a NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
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 developed and maintained well and dust-free with permanent sprinkling arrangement. The private road passing through the Project area shall not be damaged and if required maintenance operations can be carried out under CER.*
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 for street lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
18. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
19. *The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
20. *If the three abandoned quarries located near to the site belong to project Proponent, he / she shall carry out final mine closure within 6 months as per the approved mine closure plan and the activities so carried out shall be mentioned in the half yearly completion report.*
21. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks*

and suppress dust.

22. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
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 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.*
25. *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 extraction of Granite Building Stone of Mr. Siraj Hussain at Re-Sy No. 281/2-3 in Mundakkayam Village, Kanjirappally Taluk, Kottayam - (Transferring of file from TOR to EC, Granite Building Stone Quarry of Siraj Hussain)
(SIA/KL/MIN/176680/2020; 1877/EC3/2021/SEIAA)**

Sri. Siraj Hussain, Chemparapalliyil House, Nadackal P.O, Erattupetta has applied for Environmental Clearance for the Granite Building Stone Quarry Project, for an extent of 0.9713Ha, at Re-Sy No. 281/2-3 in Mundakkayam Village, Kanjirappally Taluk, Kottayam.

The Authority noted the action taken by SEAC in its 130th, 131st, 138th & 139th meetings held on different dates. The Committee in its 139th meeting recommended rejection of the proposal based on Precautionary Principle. The Authority observed the project proponent submitted a statement that the District Crisis Management Group had visited the site and suggested some corrective measures including the widening of the road to the project site. The Tahasildar, Kanjirappally also submitted the report after conducting field inspection by the village officer. The procedures of the District Crisis Management Group is yet to be completed as directed by the SEAC in its 131st meeting.

Authority decided to accept the request of the project proponent to defer the project till the receipt of the report from the District Crisis Management Group. On receipt of the report, the SEAC shall relook the matter.

Item No.17 Environmental Clearance for the Granite Building Stone Quarry of Sri. Raju Cyriac, M/s. Focus Mining Company, for an area of 4.6674 Ha, at Re-Sy. Block No. 13, Re-Sy Nos. 335/2-1, 335/2-2, 335/2-3, Kanjirappally Village, Kanjirappally Taluk, Kottayam, Kerala. (SIA/KL/MIN/181699/2020; 1875/EC3/2021/SEIAA)

Sri. Raju Cyriac, submitted an application for Environmental Clearance *via* PARIVESH Portal for the Granite Building Stone Quarry project for an area of 4.6674 Ha at Re-Sy Block. No. 13, Re-Sy Nos. 335/2-1, 335/2-2, 335/2-3 in Kanjirappally Village, Kanjirappally Taluk, Kottayam, 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, EIA Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved

mining plan mine life is 10 years. After the due appraisal, the SEAC in its 136th meeting recommended EC for a Project Life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

The Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity by limiting the ultimate depth to 10m bgl, and then to extend the EC period to cover the project life of 10 years, from the date of execution of mine lease / permit, 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.

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

- 1. The depth of mining should be limited to 10m bgl and the mining quantity shall be limited to that extent considering the topography, local geology and impact of water column in the void space on the environment.*
- 2. 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.*
- 3. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 4. 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.*

5. *Buffer zones should be demarcated and green belt should be developed by planting additional trees, herbs and climbers of local species.*
6. *Compensatory afforestation plan should be implemented from the 1st year itself and the geo-coordinates and geo-tagged photographs of the area shall be submitted in HYCR.*
7. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.*
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 HYCR.*
9. *The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
10. *Monitoring of drainage water should be carried out at different seasons by a NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.*
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. *The overburden dumping site should be protected with gabion walls to prevent erosion.*
13. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
14. *The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.*
15. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
16. *Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
17. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*

18. *The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (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. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
21. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
22. *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.*
23. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.18

**Environmental Clearance for the Granite Building Stone Quarry of Sri. G. Satheesh, M/s Deccan Rocks, for an area of 3.9736 Ha at Re Survey No 66/2, 66/1, 66/3- 2, 66/3, 66/3-1, 66/3-4, 66/3-5, 66/3-7, 66/3-3, 66/3-6, 65/1 in Thalanad Village, Meenachil Taluk, Kottayam, Kerala.
(SIA/KL/MIN/191604/2021; 1931/EC3/2022/SEIAA)**

Sri. G. Satheesh, M/s Deccan Rocks, submitted an application for Environmental Clearance *via* PARIVESH Portal, for the Granite Building Stone Quarry, for an area of 3.9736Ha at Re-Sy Nos. 66/2, 66/1, 66/3- 2, 66/3, 66/3-1, 66/3-4, 66/3-5, 66/3-7, 66/3-3, 66/3-6, 65/1 in Thalanad Village, Meenachil Taluk, Kottayam.

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, EIA Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 8 years. After the due appraisal, the SEAC in its 136th meeting recommended EC for a Project Life of 8 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

The Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity of 1372787 MT by limiting the depth of mining to 155m amsl, and then to extend the EC period to cover the project life of 8 years, from the date of execution of mine lease / permit, 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.

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

- 1. SEAC corrected this in their second recommendation and ultimate depth is 145 amsl.*
- 2. The quarrying in the site shall be permitted only after getting the approval of the District level Crisis Management Committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014.*
- 3. Before issuing the permit/lease, the Mining & Geology Department should ensure that the Certificate from Crisis Management Group has been obtained by the project proponent.*
- 4. 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.*
- 5. 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.*
- 6. 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.*
- 7. Quarry blasting shall temporarily be stopped if there are two consecutive days of rainfall in the respective village until a completely rain free day occurs.*
- 8. Since the region in which the proposed site falls is fragile, in general, and considering the terrain fragility of the proposed site, it is desirable to obtain the approval of the District level Crisis Management Committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014, as a precautionary measure.*
- 9. Buffer zones should be demarcated and green belt should be developed by planting trees, herbs and climbers of local species.*
- 10. Compensatory afforestation plan should be implemented from the 1st year itself and the geo-coordinates and geo-tagged photographs of the area shall be submitted in HYCR.*

11. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.*
12. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
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 developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.*
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 for street lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
18. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
19. *The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR*
20. *A protection wall has to be constructed above and between BP11 and BP12.*
21. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
22. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the*

beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.

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 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.

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 the Building Stone Quarry of Smt. K. Malathy for an area of 3.9800 Ha at Sy. Nos. 253/14, 266/1 & 266/2 in Cherukave village, Kondaty Taluk, Malappuram (SIA/KL/MIN/204626/2021; 1351/EC2/2019/SEIAA)

Smt. Malathy.K, Kottarathil House, Kannanvettikavu, Ambalakandi, Cherukavu, Pulikkal, Malappuram submitted an Environmental Clearance application in SEIAA through PARIVESH for the Granite Building Stone Quarry for an area of 3.9800 Ha at Sy. Nos. 253/14, 266/1 & 266/2 in Cherukavu/ village Kondaty Taluk, Malappuram.

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, EIA 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 139th meeting recommended EC for a Project Life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority observed that there was a mention about a written complaint during the public hearing, which is stated as Annexure C in the EIA report. However, the complaint as well as the mitigation measures proposed for the concerns raised during the public hearing including that for the complaint has not been included with EIA Report.

Authority decided to refer the case back to SEAC to verify the mitigation measures adopted by the project proponent. On the basis of that, SEAC may also reexamine the recommendation of 139th meeting.

Item No.20

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Jayaprakash K for an area of 4.4462 Ha at Sy. No. 253/14 & 266/2 of Cherukavu Village, Kondaty Taluk, Malappuram
SIA/KL/MIN/204850/2021 , 1352/EC2/2019/SEIAA**

Sri. Jayaprakash.K, Kottarathil House, Kannanvettikavu, Ambalakandi, Cherukavu, Pulikkal, Malappuram submitted an Environmental Clearance application in SEIAA through PARIVESH for the Granite Building Stone Quarry project for an area of 4.4462 Ha at Sy. No. 253/14 & 266/2 in Cherukavu Village, Kondaty Taluk, Malappuram.

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, EIA Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 10 years. After the due appraisal, the SEAC in its 139th meeting

recommended EC for a Project Life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority observed that there was a mention about a written complaint during the public hearing, which is stated as Annexure C in the EIA report. However, the complaint as well as the mitigation measures proposed for the concerns raised during the public hearing including that for the complaint has not been included with EIA Report.

Authority decided to refer the case back to SEAC to verify the mitigation measures adopted by the project proponent. On the basis of that, SEAC may also reexamine the recommendation (including depth of mining) of 139th meeting.

Item No.21

**Granite Building Stone Quarry of M/s Chand V Granites at Re. Sy. Nos. 305/1, 2, 3, 4, 5, 6, 305/6-2, 305/6-3, 306/2, 309/3 in Vadakarapathy Village, Chittur Taluk, Palakkad, Kerala.
(SIA/KL/MIN/221515/2021, 1922/EC1/2021/SEIAA)**

Sri. Baiju Chandran, Managing Partner, M/s Chand V Granites submitted an application for EC via PARIVESH for the Granite Building Stone Quarry of M/s Chand V Granites at Re. Sy. Nos. 305/1, 2, 3, 4, 5, 6, 305/6-2, 305/6-3, 306/2, 309/3 in Vadakarapathy Village, Chittur 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 1, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 5 years. After the due appraisal, the SEAC in its 139th 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 amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *Compensatory afforestation plan should be implemented from the 1st year itself and the geo-coordinates and geo-tagged photographs of the area shall be submitted in HYCR.*
4. *Since, the Vadakarapathy village is a drought prone area, after the mining activities the quarry pit should be protected with proper fencing and prevent contamination, so as to use water for the domestic needs of the public. Also the project proponent shall be in liaison with panchayat for the proper usage of water collected in the quarry pit. The final quarry closure operations shall be carried out in such a way that quarry pit can be effectively used for storing and use of water safely.*
5. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.*
6. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
7. *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. *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 and dust-free with sprinkling arrangement.*
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 lights and office. At least 20% of the energy requirement of the project should be met from the solar power.

- 13. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
- 14. The Environment Management Cell (EMC) should include an Environment expert and 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 should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
- 17. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 18. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*

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

Item No.22 **Environmental Clearance for the proposed Granite Building Stone Quarry Project of Sri. Haridasan T. at Re-Sy Block. No. 2, Re-Sy. Nos. 3/1237, 3/744 in Engapuzha Village, Thamarassery Taluk, Kozhikode, Kerala**
(SIA/KL/MIN/222222/2021; 1920/EC4/2021/SEIAA)

Sri. Haridasan, Tharol House, Ekarool P.O, Kozhikode-673574 submitted an Environmental Clearance application through PARIVESH for the proposed Granite Building Stone Quarry Project for an area of 1.3050 Ha, in Re-Sy Block No. 2, Re-Sy Nos. 3/1237, 3/744 in Engapuzha Village, Thamarassery Taluk, Kozhikode.

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 1, 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 139th meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noticed that the Malabar Wild Life Sanctuary is at a distance of 4 km and the proposal has to be considered on the basis of the decision of SEIAA in its 123rd meeting (Item No. 123.30). The project proponent has to submit the necessary documents as envisaged in the 123rd meeting. The SEAC shall verify those documents in consultation with concerned Wild Life Warden having jurisdiction over the area and recommend the project with further specific conditions, if any.

Item No.23 **Environmental Clearance for the Granite Building Stone Quarry of Sri. K. Udayan at Sy. Nos. 163, 163/1 in Enadimangalam Village, Adoor Taluk, Pathanamthitta, Kerala**
(SIA/KL/MIN/255487/2022; 2010/EC1/2022/SEIAA)

Sri. Udayan, Kizhakkekara Veedu, Erathu, Pattazhi (PO), Pathanapuram, Kollam submitted an EC application through PARIVESH for the proposed Granite Building Stone Quarry Project for an area of 0.99.17 Ha at Survey Nos. 163, 163/1 in Enadimangalam Village, Adoor Taluk, Pathanamthitta, 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 1, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 5 years. After the due appraisal, the SEAC in its 138th 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 amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Compensatory afforestation plan should be implemented from the 1st year itself with indigenous species and the geo-coordinates and geo-tagged photographs of the afforested site should be submitted in HYCR.*
- 4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.*

5. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
6. *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. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented*
8. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
9. *The haulage road should be widened and developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.*
10. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
11. *Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
12. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
13. *The Environment Management Cell (EMC) should include an Environmental expert and the proceedings of the monthly meeting of the Environment Management Cell (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 should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for*

information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.

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 MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

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

Item No.24

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Abdul Majeed P., for an area of 0.9716 Ha in Re-Sy No. 1/4 in Pulikkal Village, Kondotty Taluk, Malappuram (SIA/KL/MIN/261884/2022; 2072/EC6/2022/SEIAA

Sri. Abdul Majeed P., S/o Ummer Haji, Gazal House, Thiruvalli Post, Malappuram submitted an EC application in SEIAA through PARIVESH for the Laterite Building Stone Quarry for an area 0.9716 Ha at Re-Sy No.1/4 in Pulikkal Village, Kondotty Taluk, Malappuram.

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 1, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 4 years. After the due appraisal, the SEAC in its 136th 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 EC is issued subject to the interim and final judgement in the court cases regarding land dispute. The Mining and Geology Department shall issue permit subject to the final verdict of the court cases.*
- 2. 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.*
- 3. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 4. The excavation activity associated should not involve blasting.*
- 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. At least 20% of the energy requirement of the project should be met from the solar power.*
- 14. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*

15. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
16. *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.*
17. *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.*
18. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
19. *Measures incorporated in the CER should be implemented as per norms during the first two years and it should be operated and maintained till the mine closure is completed.*
20. *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).*
21. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
22. *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.*
23. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.25

**Ordinary Earth Removal project of Smt. Serin Scaria for an area of 0.4947 Ha at Survey Nos. 473/1,473/1-1 in Velloor Village, Vaikom Taluk, Kottayam - Physical to Online
(SIA/KL/MIN/271891/2022; 2687/A2/2019/SEIAA)**

Smt. Serin Scaria has submitted an EC application in SEIAA for the removal of ordinary earth from the property for an area of 1.04.41ha at Survey No. 473/1 in Velloor Village, Vaikkam Taluk, Kottayam.

The Authority noticed that the Committee in its 139th meeting, discussed the field inspection report and observed that removal of soil from the southern portion of the site falling around BP1 & BP6 is necessary from a safety point of view, especially for those using the adjacent road. It is also not desirable to remove the soil by keeping a buffer all around the proposed site from the safety point of view. Therefore, the Committee decided to inform the Authority that it is desirable to advise the project proponent to submit a plan for the removal of soil to a depth of around 8m at the southern side and 2m in the northern side to maintain a gradient from North to South. The plan should be such that it should not affect the building at the boundary of the proposed site between BP2 and BP3.

The Authority accepted the recommendation of SEAC and decided to direct the project proponent to submit a plan for the removal of soil to a depth of around 8m at the southern side & 2m in the northern side to maintain a gradient from North to South. The plan should be such that it should not affect the building at the boundary of the proposed site between BP2 and BP3. On receipt of the documents, the SEAC shall verify the documents and give the recommendation.

Item No.26

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

Sri. Biju Khan, Biju Manzil, Mylakadu (PO), Kollam 691 571 sought Environmental Clearance for the proposed Granite Building Stone Quarry at Re-Sy Nos. 214/1-1-1, 214/1-1-2, 214/2pt (Own Patta land) & Re-Sy No.-214/1pt (Govt. Land) in Pooyapally Village, Kottarakara Taluk, Kollam, Kerala.

The Authority decided to adhere to its earlier decision taken in its 122nd meeting to issue Environmental Clearance for the project life of 2 (two) years.

Item No.27 **Environment Clearance for the Granite Building Stone Quarry of Sri. Biju Khan for an area of 0.5456 Ha at Re-Sy Nos. 217/17 pt (Own Patta land) & Re-Sy No. 214/1pt (Govt. Land) Pooyapally Village, Kottarakara Taluk, Kollam, Kerala
(SIA/KL/MIN/43937/2019; 1547/EC2/2019/SEIAA)**

Sri. Biju Khan, Biju Manzil, Mylakadu (PO), Kollam 691 571 sought Environmental Clearance for the proposed Granite Building Stone Quarry at Re-Sy Nos. 217/17 pt (Own Patta land) & Re-Sy No. 214/1pt (Govt. Land) in Pooyapally Village, Kottarakara Taluk, Kollam, Kerala.

The Authority decided to adhere to its earlier decision taken in its 122nd meeting to issue Environmental Clearance for the project life of 2 (two) years.

Item No.28 **Environment Clearance (EC) for the Granite Building Stone Quarry of N. Ramachandran in Anavoor Village, Neyyattinkara Taluk, Thiruvananthapuram, Kerala
(SIA/KL/MIN/69596/2021; 1872/EC1/2021/SEIAA)**

Sri. N. Ramachandran submitted EC application via PARIVESH for the Granite Building Stone Quarry for an area of 1.5589 ha at Re-Sy Nos: 269/1-1, 269/1-2, 269/1-3, 269/1-4, 269/8,269/2-1 in Anavoor Village, Neyyattinkara Taluk, Thiruvananthapuram.

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, EIA Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 10 years. After the due appraisal, the SEAC in its 138th meeting recommended EC for a Project Life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority is of the opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

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 execution of mine lease / permit, 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.

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 amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Compensatory afforestation should be done from the 1st year itself and the coordinates and geo-tagged photographs of the site shall be submitted in HYCR.*

4. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
5. *Garland drain should be enlarged to contain the entire overland flow of the adjacent sloppy region of the quarry.*
6. *Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.*
7. *Monitoring of drainage water should be carried out at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.*
8. *The overburden dumping site should be protected with gabion walls to prevent erosion.*
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. *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. *The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.*
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 lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
14. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
15. *The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.*
16. *Buffer zones should be demarcated and planted with local plants, climbers and herbs as mentioned in the biodiversity assessment report.*

17. *The proposed road to the quarry is narrow. So, fish belly should be provided at every 100m.*
18. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
19. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
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 MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
22. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.29

Environmental Clearance for the proposed Expansion of Residential project developed by M/s The Federal House Construction Co-Operative Society Ltd. No. E-962

Sri. M.V. Raju, M/s The Federal House Construction Co-Operative Society Ltd. applied for Environmental Clearance for the proposed Expansion of Residential project at Sy. No. 92/8-5, 92/8-3, 92/8-2, 92/8-1, 92/8-1, 92/8-3, 92/8-6, 92/8-3, Village & Panchayat Karumalloor, Paravoor Taluk, Ernakulam, Kerala.

The Authority noted that SEAC in its 139th meeting, recommended EC for expansion of existing residential compound by adding a club house of area 1,449.75 sqm in the additional land of 0.0483 ha procured subject to certain Specific Conditions in addition to the General Conditions.

The Authority agreed to the recommendation of SEAC and decided to issue Environmental Clearance for the total built-up area of 23465.95 sq.m (including an the expansion of existing residential compound by adding a club house of area 1,449.75 sq.m in the additional land of 0.0483ha procured) subject to the following Specific Conditions in addition to the Specific and General Conditions stipulated in the original EC.

- 1. Treated water from STP is to be reused to the maximum extent and balance if any should be discharged through a series of soak pits for recharging the local ground water, and for avoiding discharge of treated water in to the nearby public drain.*
- 2. Local topography of land profile should be maintained as such by avoiding deep cutting /filling.*
- 3. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*

4. *The Project Proponent shall obtain all necessary clearances/licenses/permissions from all the statutory authorities for the construction projects*
5. *Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).*
6. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.30

Environmental Clearance for the Granite Quarry of Sri. Mathew Daniel at Sy. No: 340/1/99-1, 340/1/99-2, 340/1/102/2-1, 340/1/100/3, 340/1/100-4, 340/1/100-1, 340/1/100-2, 340/1/102-2, 340/1/103-1 in Enadimangalam Village, Adoor Taluk, Pathanamthitta, Kerala. (SIA/KL/MIN/127122/2019; 1562/EC1/2019/SEIAA)

Sri. Mathew Daniel submitted application for EC via PARIVESH for the Granite Buidling Quarry project for an area of 2.2392ha at Sy Nos: 340/1/99-1, 340/1/99-2, 340/1/102/2-1, 340/1/100/3, 340/1/100-4, 340/1/100-1, 340/1/100-2, 340/1/102-2, 340/1/103-1 in Enadimangalam Village, Adoor Taluk, Pathanamthitta, 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, EIA Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Field Inspection Report. As per the approved mining plan mine life is 12 years. After the due appraisal, the SEAC in its 134th meeting recommended EC for a Project Life of 12 years with certain Specific Conditions in addition to the General Conditions.

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

opinion that it is essential to match these procedures and time lines followed in the department of Mining and Geology with the time lines ECs issued for the sustainable management of quarry operations and protection of environment in the project region.

The Authority decided to issue Environmental Clearance initially for a period of 5 years, for the quantity mentioned in the approved mining plan, and then to extend the EC period to cover the project life of 12 years, from the date of execution of mine lease / permit, 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.

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 amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The EC issued will be subject to a review by SEAC after 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. OB dump at North West side shall be protected with Gabion wall. Photographs of the gabion wall also should be submitted along with half-yearly compliance report (HYCR).*
- 5. Development of green belt should be initiated prior to the commencement of mining operation.*
- 6. Apart from the rubber plants, more indigenous plants shall be planted in the buffer zone. As per the report submitted 0.5378 Ha green belt should be provided.*
- 7. 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.*
- 8. Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geo-*

tagged photographs of the drainage and sampling site should be submitted along with HYCR.

- 9. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and the details should be included in the HYCR.*
- 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. Additional two settling tanks should be constructed.*
- 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 HYCR.*
- 12. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented. Proof of CER implementation should be included in the HYCR*
- 13. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 14. The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.*
- 15. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
- 16. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least 20% of the energy requirement of the project should be met from the solar power.*
- 17. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority*
- 18. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (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. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the*

Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.

- 21. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 22. 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.*
- 23. 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

**Extension of Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Pradeep K in Re Survey Nos: 587/46,587/47,587/48,587/49,588/3, of Kunathoor Village, Kunathoor Taluk, Kollam, Kerala
(SIA/KL/MIN/265356/2022, 3476/EC4/2019/SEIAA)**

Sri. Pradeep K, submitted an application for extension of Environmental Clearance via PARIVESH Portal for the Laterite Building Stone Quarry project, for an area of 0.9133 Ha at Re-Sy Nos. 587/46,587/47,587/48,587/49,588/3 in Kunathoor Village, Kunathoor Taluk, Kollam, Kerala.

The Authority noted that the Committee in its 138th meeting, recommended to extend the EC for one year subject to certain specific conditions in addition to the general conditions.

The Authority decided to extend the EC for one year from the date of execution of valid permit from the Mining and Geology Department subject to the following specific conditions in addition to the general conditions:

- 1. The excavation activity associated should not involve blasting.*
- 2. The excavation activity should be restricted to 2m above the ground water table at the site.*
- 3. The excavation activity should not alter the natural drainage pattern of the area.*
- 4. The excavated pit should be restored by the project proponent for useful purpose.*
- 5. Appropriate fencing all around the excavated pit should be made to prevent any mishap*
- 6. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
- 7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
- 8. Workers/labourers should be provided with facilities for drinking water and sanitation.*

9. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
10. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
11. *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.*
12. *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.*
13. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
14. *Measures incorporated in the CER should be implemented as per norms*
15. *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).*

Item No.2

Environmental Clearance for the Ordinary Earth Removal project of Sri. Abbas P. S., for an area of 36.74 Ares at Re-Sy Nos. 431/6- 2,431/7 in Arakkappady Village, Kunnathunad Taluk, Ernakulam (SIA/KL/MIN/259995/2022; DIA/KL/MIN/7053/2017)

Sri. Abbas P. S, applied for the extension of Environmental Clearance for the Ordinary Earth Removal project on 25th March 2022, at Re- Survey Nos: 431/6-2,431/7, Block No.22 in Arakkappady Village, Kunnathunad Taluk, Ernakulam, Kerala.

The Authority noticed that the EC was issued vide proceedings No. DIA/KL/MIN/7053/2017 dated 10.12.2018. The Committee in its 139th meeting mentioned that the EC has expired and the project proponent has submitted the extension application after validity period and hence as per the existing norms (clause 9 (iii) of EIA notification 2006) the delay cannot be condoned. Hence the project proponent has to submit application in Form 1 for a fresh EC.

The Authority agreed to the recommendation of SEAC and directed the project proponent to submit the application afresh through PARIVESH portal.

CONSIDERATION OF TOR PROPOSALS

Item No.1

**Application for Terms of Reference for the Granite Building Stone Quarry project of Sri. K P Babu for an area of 2.6015 Ha at Re-Sy Nos. 302, 305/1 in Vengapally Village, Vythiri Taluk, Wayanad, Kerala.
(SIA/KL/MIN/83134/2022; 2134/EC2/2022/SEIAA)**

Sri. K.P Babu Kodikulath House Kumblery P.O Wayanad, sought Terms of reference for the proposed Granite Building Stone Quarry at Re-Sy Nos. 302, 305/1 in Vengapally Village, Vythiri Taluk, Wayanad, Kerala.

The Authority noted that SEAC in its 138th 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. Vibration studies to evaluate the zone of influence and impact of blasting on the neighbourhood as suggested in para (e) of OM No Z -11013/57/2014-IA.II (M) dated 29-10-2014 of MOEF&CC*
- 2. There are more than 5 quarry pits in the vicinity and study should include a comprehensive water management plan considering the possibility of spillage or breach of water during monsoon and water requirements in the area during summer.*
- 3. Specific plan for conservation of biodiversity in the area.*
- 4. Detailed socio economic impacts of livelihood, considering the Vengapally tribal settlement.*
- 5. Study on the impact on the water availability in the peripheral area of the proposed site due to decrease in water recharge area.*

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

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

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