

**MINUTES OF THE 135TH MEETING OF THE STATE LEVEL
ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)
KERALA, HELD ON 22ND & 23RD DECEMBER 2023 THROUGH VIDEO
CONFERENCING**

Present:

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

The 135th meeting of the SEIAA, Kerala was held on 22nd and 23rd December 2023. The meeting started at 10.30 AM on 22nd December 2023. Dr. H. Nagesh Prabhu, Chairman, SEIAA Kerala chaired the meeting, Dr Rathan U. Kelkar IAS, Member Secretary, SEIAA, and Sri. K. Krishna Panicker, Expert Member, SEIAA attended the meeting. The Authority considered the agenda for the 135th meeting and took the following decisions:

Physical Files

Item No.135.01 **Minutes of the 134th meeting of SEIAA held on 13th and 14th November 2023**

Noted

Item No.135.02 **Action Taken Report on 134th meeting of SEIAA held on 13th & 14th November 2023**

Action taken is appreciated.

Item No.135.03 **Complaint received from Sri. Shinaj K.A., Environmental Protection Forum, Ernakulam against quarrying operations of M/s Chooramudy Granites.
(File No: 1193/EC3/2021/SEIAA)**

The Authority deliberated the item and noted the contents of the field inspection

report of SEAC, the report of District Collector dated 12.02.2021 and the letters of District Collector dated 05.09.2022 and 29.08.2022 and the complaints submitted by Sri. Mohanan, Sri. Shinaj K.A. and others. The Authority noticed that as per the field inspection report, among the 12 specific conditions in the EC, six are not complied with, one is partially complied with, two are complied and three are claimed to have been complied. Among the 62 general conditions, 11 are not directly monitorable for compliance. Among the rest of the 51 general conditions, thirteen are not complied, nine are partially complied, twelve are complied and seventeen are claimed to have been complied.

Authority inferred that the project proponent had failed to comply with majority of the EC conditions. Authority also noticed that the mining is done without providing stipulated bench formations as per rule by maintaining the stipulated slope of 45°. In addition, the project proponent has not properly maintained the buffer zone of 7.5m width all around the mine by providing green belt. Besides, the buffer area is converted as a pathway to the crusher. Due to the unscientific mining and over-extraction, a mine pit of significant depth with a very steep side wall is developed, the damage cannot be corrected through any mitigative action.

It is also understood from the letter of the District Geologist, Mining and Geology Department that the project proponent has paid penalty of Rs. 8,00,080/- in 2016; Rs. 7,08,100/- in 2019; Rs 20,59,000/- in 2020 for over extraction and violation of mining plan and Rs.25,000/- in 2016 for violation of permit.

In the above circumstances, the Authority decided the following:

1. Issue Stop Memo for stopping all the mining activity, if mining is being continued with the EC issued from DEIAA.
2. The Project Proponent has committed serious violation of KMMC rules and regulations and EC Conditions and carried out illegal mining. Show Cause Notice in this regard shall be issued to the Project Proponent as to why the EC given to him should not be cancelled for violation of EC conditions. The Project Proponent should submit his explanation within 15 days from the date of receipt of the Notice.
3. SEAC shall assess and quantify the environmental damages and degradation due

to unscientific mining and non compliance of EC conditions. SEAC shall have the freedom to obtain the damage assessment report prepared by NABET Accredited Agency hired through the project proponent.

4. The Director, Mining and Geology Department shall take necessary action to implement the mine closure plan within 6 months and submit the report to the Authority.
5. The decisions of the Authority shall be intimated to the District Collector for further action, if any.

Item No.135.04 **ToR for the Granite Building Stone Quarry of Sri. Gurudeeksha L., Director, M/s. Chaprayil Granites Pvt. Ltd. for an area of 4.95 Ha at Re-Survey No: 173/4-7, 173/4 -16, 176/1, 176/1-3, 177/1, 177/1-2, 177/1-3, 177/1-4, 177/1-5, 177/1-6, 177/1-7, 177/3, 177/5, 177/6, 177/6-2, 178/3, 178/3-2, 178/4, 178/5 – Private Land in Chadayamangalam Village, Kottarakkara Taluk, Kollam. (SIA/KL/MIN/432414/2023, 2288/EC2/2023/SEIAA)**

The Authority deliberated the item and noted the request of the project proponent dated 08.09.2023 and the decision of the SEAC in its 151st meeting. The Authority observed that the SEAC in its 151st meeting considered the request of the project proponent to correct the ToR condition for an additional study on “*Restoration plan for the adjacent mined out area and its implementation possibility and mechanism*”. The Authority noticed that the SEAC had examined the project area and its surroundings with Google maps and recommended correction in the additional studies incorporated in the ToR.

The Authority agreed to the recommendation of the SEAC to delete the additional study “*Restoration plan for the adjacent mined out area and its implementation possibility and mechanism*” incorporated in the ToR and modify the ToR accordingly.

Item No.135.05 **Environment Clearance for the Granite Building Stone Mining Project of Sri. T.C. Johnson, Managing Partner, M/s Star Rock Products Pvt. Ltd. for an area of 0.9995 Ha at Re-Sy Nos. 50/4, 52/2/2, in Ayyampuzha Village, Aluva Taluk, Ernakulam, Kerala. (SIA/KL/MIN/40283/2019, 1457/EC3/2019/SEIAA)**

The Authority deliberated the item and noted the decisions of various SEAC/ SEIAA meetings, the letter from the Mining and Geology Department dated 09.03.2023 and the request letter of the project proponent dated 16.09.2023 to reconsider the decision of 127th SEIAA meeting. The Authority in its 127th meeting already directed the project proponent to complete the mine closure as per the mine closure plan approved by the Mining and Geology Department and submit a certificate regarding the completion of the closure activities from the M& G Department. Necessary intimation has already been given to the project proponent vide letter dated 15.06.2023.

In these circumstance, the Authority decided that the request of the project proponent shall be considered only after the implementation of mine closure plan and the submission of the mine closure certificate from the Mining and Geology Department. Necessary intimation regarding the same shall also be forwarded to District Geologist, Ernakulam for necessary follow up action.

Item No.135.06 **Environment Clearance for the Granite Building Stone Quarry project of M/s Shanio Metal Crushing Unit for an area of 3.2026 Ha at Sy. Nos. 160/4, 160/5, 161/7, 161/8-1, 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 & Panchayat, Thiruvalla Taluk, Pathanamthitta - Interim Order dated 16.11.2023 in WP(C) No. 18680/2023**
(File No: 75/SEIAA/KL/170/2013)

The Authority deliberated the item and noted the decision taken in various SEIAA/ SEAC meetings, the interim orders of Hon'ble High Court on WP(C) No 18680/2023 filed by M/s Shanio Metal Crusher and the legal opinion of the Standing Counsel dated 01.11.2023 and 15.12.2023. The Authority noted that the status quo shall be maintained as per court order and the matter is sub-judice.

Authority decided to await for the final judgement of the Hon'ble High Court in WP(C) 37869 of 2016 and WP(C) No. 18680 of 2023.

Item No.135.07 **Environmental Clearance issued to the quarry project of Sri. P. M. Aboobacker, Managing Director, M/s Palakkal Granites Product Pvt. Ltd for an area of 5.8680 Ha at Sy. No. 172(P) in Kodyathur Village, Kozhikode Taluk, Kozhikode - Judgment in WP (C) No. 424/2021 dated 07.01.2021 filed by Sri. P. M. Aboobacker regarding the validity of EC – Request for withdrawal of revalidation application
(File No. 137/SEIAA/KL/2567/2013)**

The Authority deliberated the item and noted the decisions of the previous SEIAA /SEAC meetings and the request letter of the project proponent dated 01.11.2023 to withdraw the application for revalidation. The Authority noted that the project proponent had applied for ToR for an area of 10.1903 Ha and the application is under processing.

In this circumstance, the Authority decided to agree with the request of the project proponent to withdraw the application for revalidation. Necessary intimation regarding the same shall be provided to the project proponent.

Item No.135.08 **Revalidation proceedings issued for the Building Stone Quarry Project of Sri. K. Sadanandan in Sy. Nos. 143/2, 143/4, 144/1, 144/2, 144/3, 146/1, 146/2, 146/3, 147/1,2,3,4,5,6,7,8,9,10, 148, 149/4 , 152/4, 152/5, 152/6, 152/7, 152/8, 152/9, 152/10, 152/11, 152/12, 152/13, 152/14, 152/15 at V-Kottayam Village, Konni Taluk, Pathanamthitta - Judgement dated 13.10.2023 in Appeal No 48 of 2022 (SZ) filed by Sri. Roy Thomas before the Hon'ble NGT
(File No. 200/SEIAA/EC4/86/2014)**

The Authority deliberated the item and noticed that the EC for the project was initially issued on 10.08.2015 and then vide order dated 26.07.2022 revalidated the same for a period of 10 years from the date of issuance of initial EC. The Authority also noticed that there were many complaints received against the quarry projects including the authenticity of the status of the land, as it is recorded as plantations as per revenue records.

During appraisal, the matter was enquired with the Village Officer, V Kottayam and vide certificate dated 19.07.2021 the Village Officer, intimated that the nature of land is marked as “purayidam” in the column no. 5 of the Land Tax Register. Since, it was difficult to assess the status of the land from the letter of the Village Officer, the Authority vide letter

dated 05.10.2021, again requested clarification from the Village Officer on the nature of land. The Village Officer, V- Kottayam Village vide its email dated 26.12.2021 clarified that the land in question does not come under the plantation category. Considering this, the SEAC recommended the revalidation of the EC and the Authority issued revalidated EC.

The Authority also noticed that the Director, Mining & Geology vide its order dated 08.03.2023 issued the quarrying lease to the mining project for a period of 10 years from the date of issuance, which will be beyond the EC period. Hence the Authority vide letter dated 14.08.2023, requested Mining & Geology to look into the matter, since lease for the proposed quarry project was issued for 10 years from the date of issuance of the lease order i.e., 08.03.2023, whereas the Environmental Clearance will be expired on 09.08.2026 (after Covid relaxation).

Now Sri. Roy Thomas, vide his complaint dated 09.11.2023 with supporting documents such as copy of the judgment of Hon'ble High Court in WP(C) No. 15008 of 2023 dated 06.07.2023, order dated 27.10.2023 of Industries Department, copy of certificate issued by Village Officer, V-Kottayam and copy of stop memo issued by Village Officer dated 19.07.2023, informed that the project proponent has obtained the EC by misrepresenting the facts on the status of land and mislead the Authority. Besides, another complaint dated 29.11.2023 was received from Sri. Reghu R with a request to cancel the EC and the revalidation order issued to the quarry project.

On verification of the documents it is found that the land comprised in Sy. Nos. 147/3, 5, 8 and 9 are assigned land and hence the lease issued vide order dated 08.03.2023 was cancelled vide G O (Rt) No. 1102/2023/ID dated 27.10.2023 as per the direction of the Hon'ble High Court. It is also understood that the Village Officer, V Kottayam, issued stop memo for the project vide order dated 19.07.2023 for the same reason regarding the status of land. The Authority observed that the EC was revalidated by considering the non-assignment Certificate submitted by the project proponent. The Village Officer, V Kottayam after repeated enquiry from the Authority intimated that the proposed land is not a plantation. It seems there is a deliberate attempt on the part of the project proponent and the Village Officer for suppression of facts by providing fake report/certificate.

In the above circumstances, the Authority decided the following:

1. Issue stop memo to stop all the activities carried out with the EC, if the project is still continuing.
2. Show Cause notice shall be issued to the project proponent to get his explanation within 15 days from the date of issue of the notice as to why the EC given to him should not be cancelled under clause 8 (vi) of EIA notification 2006.
3. Intimate Commissioner, Land Revenue Department to take suitable action if required after an enquiry, against village officer(s) who have submitted fake certificate/document regarding the status of land.
4. The SEAC shall assess the environmental damage caused due to the illegal mining in the project area.
5. The SEAC shall also ascertain the veracity of the mining plans (including its life of mine/Life of Project) submitted at the time of issuance of original EC and at the time of its revalidation.
6. The SEIAA Secretariat shall intimate the above action taken against the project to all the Departments/Agencies, who have been provided with the copy of the EC issued.

Item No.135.09 **Environmental Clearance issued to the Granite Building Stone Quarry Project of Sri. Abdul Muneer C., Managing Partner, M/s Indo Black Stone for an area of 3.2374 Ha in Sy No. 1618 (Not final) at Koodaranji Village, Koodaranji Panchayat, Thamarassery Taluk, Kozhikode - Judgment in WP (C) No.9574/2021 filed by Sri. Abdul Muneer C., M/s Indo Black Stone - regarding the validity of EC. (File No. 862/SEIAA/EC4/2991/2015)**

The Authority deliberated the item and noted the complaints received from Sri. K. P. Assain dated 18.04.2023, the judgement of Hon'ble High Court in WP(C) No. 16089/2023 filed by Sri. K. P. Assain, the WP(C) No. 28299/2023 filed by the Project Proponent and the request of the Project Proponent dated 28.07.2023 to recall the decision of 121st SEIAA.

The Authority noted that the SEIAA in its 121st meeting decided to reject the revalidation application due to the non-compliance of EC conditions and necessary rejection order was also issued on 06.02.2023. Now, the Hon'ble High Court vide judgment dated

22.08.2023 in WP(C) No. 16089/2023 directed the Authority to consider the representation submitted by the Petitioner Sri. K.P Assain and pass appropriate orders thereon as is found necessary. The judgement is also made clear that if any orders adverse to the project proponent is found necessary, the project proponent shall also be heard in the matter.

Under these circumstances, the Authority decided to hear the Project Proponent and the complainant Sri. K. P. Assain in the next SEIAA meeting. Necessary intimation regarding the hearing shall be provided to both the parties well in advance. The copy of the complaint shall also be provided to the Project Proponent.

Item No.135.10 Environmental Clearance issued to the Granite Building Stone quarry of Shri. Jilmon John, Managing Director, M/s Gimsak Developers Pvt.Ltd. for an area of 2.2430 Ha at Re Survey Nos 163/1, 163/2 (Block No.30) in Alakkod Village, Thodupuzha Taluk, Idukki - Complaints received (File No.1388/EC2/2019/SEIAA)

The Authority deliberated the item and noted the complaints received from multiple sources and the decisions of previous SEIAA/SEAC meetings. The Authority noticed that the project proponent had withdrawn the application for revalidation. The Authority also noticed that during the appraisal of revalidation application, the SEAC entrusted a Sub-Committee to conduct field verification to assess the EC compliance status and then it was cancelled due to the withdrawal of the revalidation application.

In this circumstance, the Authority decided to refer the case to SEAC and the SEAC is directed to conduct the field inspection and take appropriate decisions and recommend the same to SEIAA as per existing norms / rules considering the environmental conditions of the project area. SEAC shall also have the liberty to hear the complainants during the inspection of project area.

Item No.135.11 Complaint received against the Granite Building Stone Quarry Project of Sri. N. V. Ashok Kumar at Block No. 26, Re-Sy No. 140/3-1 in Enadimangalam Village, Adoor Taluk, Pathanamthitta (File No. 1673/EC1/2023/SEIAA)

The Authority deliberated the item and noted the report of the Tahasildar dated 14.11.2023 and the complaints received from Sri. P. K. Thomas, Smt. Bijini Sajan and Sri. K.G. Rajan received on different dates. The Authority noticed that the EC was issued by the DEIAA and as per the report of the Tahasildar there are several houses and other built up structures within the 50m of the project area.

In these circumstances, the Authority decided to refer the complaints to the SEAC. The SEAC shall inspect the site to verify the compliance status and report. SEAC shall also hear the complainants during the inspection of project area.

Item No.135.12 **Environmental Clearance issued to the Granite Building Stone Quarry of Sri. G Rajeevan, Managing Partner, M/s Koodal Granites for an area of 2.2 Ha at Block No.30, Survey Nos: 404/3, 404/4, 404/5, 404/7, 404/7-1 in Koodal Village, Konni Taluk, Pathanamthitta- Letter from Secretary, Kalanjoor Grama Panchayat**
SIA/KL/MIN/263676/2022, 1982/EC1/2022/SEIAA

The Authority perused the item and noted the letter dated 18.10.2023 from the Secretary, Kalanjoor Grama Panchayat and the clarification dated 13.11.2023 submitted by the project proponent. The Authority noted that the project proponent vide its clarification letter assured that the averments of the Secretary, Kalanjoor Grama Panchayat will comply after obtaining the D&O licence and before the execution of the mining lease deed.

In this circumstance, the Authority decided to inform the Secretary, Kalanjoor Grama Panchayat that condition stipulated in the Environmental Clearance-would to be carried out by the project proponent. Necessary communication shall be provided to the Secretary in this regard. The Secretary, Kalanjoor Grama Panchayat has all authority to ensure the compliance of conditions of the EC before the commencement-of the mining.

Item No.135.13 **Environment Clearance for the Expansion of Mixed Use Township Development project of M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd. at Re-Sy. Nos. 27/3, 32/1, 32/4, 32/5, 31/4, 31/7, 31/8, 31/9, 35/1B (part), 30/4C, 31/5, 31/6, in Pantheerankavu Village, Olavanna Panchayat, Kozhikode Taluk & District – Judgment dated 11.09.2023 in Appeal No. 05/2022 (SZ) before the Hon’ble NGT & WP(C) No. 30399/2023 filed by**

**M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd,
WP(C) No. 32797/2023 filed by SEIAA & WP(C) No. 35871/2023
filed by Dr. Vineeth K. Adiyodi & others before the Hon'ble High
Court
SIA/KL/MIS/73563/2022, 1193/EC2/2018/SEIAA**

The Authority reviewed the decisions made in various SEIAA/SEAC meetings and noted that the proposal for expanding the existing township development project is currently under consideration by the SEAC. The SEAC has referred the proposal to the Authority for further direction as to how to proceed with the application. However, Authority noted that the SEIAA decided to issue a stop memo to the project in its 133rd meeting since the Hon'ble NGT set aside the Environmental Clearance dated 12.03.2020 issued by the SEIAA, Kerala, and accordingly, the Stop Memo was issued on 08.11.2023. Authority noticed that as of now the project proponent has no valid EC and the matter is sub-judice before Hon'ble High Court.

Under these circumstances, the Authority decided not to proceed with the application for the expansion of the existing Mixed-Use Township Development Project for the time being, until the disposal of the WP(C)s pending before the Hon'ble High Court.

Item No.135.14 EC issued to the Granite Building Stone Quarry project of M/s. Delta Aggregates & Sands Pvt. Ltd. for an extent of 3.7691 Ha at Sy Nos. 889/1-15-1 & 889/1-15, in Perunad Village, Ranni Taluk, Pathanamthitta - Interim order dated 25.10.2022 in WP(C) No. 33896 of 2022 filed by M/s. Delta Aggregates & Sands Pvt. Ltd. (SIA/KL/MIN/163854/2020; 1773/EC1/2020/SEIAA)

The Authority deliberated the matter and noted the observations of various SEIAA/SEAC meetings. The Authority noticed that the project proponent has submitted the requisite documents i.e., the certificate of Tahasildar dated 16.05.2023 and with the cadastral level map of the village depicting the project area.

Authority decided to refer the case back to SEAC for appraisal as per the decision of its 123rd meeting (Item No. 123.29) and as per the existing Supreme Court order relevant to the project. The Authority also noted the complaint received against

the project and directed the SEAC to consider the complaint also while appraising the proposal.

Item No.135.15 **Monitoring the functioning of quarry of M/s Adani Vizhinjam Port Pvt. Ltd - Field Inspection Report -reg (File No.1200/EC2/ 2018/SEIAA)**

The Authority deliberated the item and noted the compliance report submitted by the project proponent and the observations of the 151st SEAC. The Authority noticed that 151st SEAC requested some clarifications on the constitution and functioning of the Monitoring Committee. The Authority also noticed that the complaint against the project which necessitated close monitoring of the project activities has been withdrawn. The Authority noticed that the 105th SEIAA decided to constitute a monitoring team consisting of an Expert member from SEAC (Team leader) nominated by Chairman SEAC, District Geologist and a responsible senior functionary nominated by M/S Adani Vizhinjam Private Ltd, to monitor the functioning of the quarry. The team will inspect the quarry at least once 3 months and prepare an inspection report.

In the above circumstances, the Authority decided the following:

1. Since, the monitoring team was constituted by designation, there is no need to reconstitute further, and the SEAC has the liberty to nominate any member of SEAC as the Chairman of the Monitoring Committee.
2. Even though, the complaint against project has been withdrawn, it is advisable to monitor the compliance status of the project once in 6 months rather than once in 3 months.
3. Since, the last field inspection was conducted on 12.11.2022, about 1 year back, the Monitoring Committee shall inspect the project site at the earliest and report the compliance status of the observations made by SEAC in its 135th meeting.

Item No.135.16 **Environmental Clearance for Granite Building Stone Quarry project of Sri. A. G. Madhavan, Managing Director, M/s Vengunadu Granite and Sands Pvt. Ltd. for an area of 4.1894 Ha**

at Block No. 22, Sy Nos. 238/1, 238/2, 239/1, 239/2, 239/5, 239/6, 239/7 in Muthalamada 1 village, Chittur Taluk, Palakkad SIA/KL/MIN/39461/2019, 1546/EC1/2019/SEIAA

The Authority perused the item and noticed the observation of the 151st SEAC that the EC issued on 19.09.2023 was without insisting the condition of getting Wildlife Clearance from SCNBWL before the commencement of the mining. The Authority observed that the project area is within 10km of the Parambikulam Wildlife Sanctuary and the project proponent has to obtain Wildlife Clearance from the SCNBWL as per the OM dated 17.05.2022 of MoEF&CC and as per the directions in the Hon'ble Supreme Court Judgement dated 26.04.2023 in IA 13177 of 2022 before the commencement of mining.

In this circumstance, the Authority agreed to the recommendation of the SEAC and decided to issue an erratum to the EC issued on 19.09.2023 in the format of conditional EC issued in such cases. The SEIAA Secretariat should issue necessary erratum in this regard without any delay on priority. The decision of the authority should be informed to the Project Proponent over phone and erratum shall be conveyed over email also.

Item No.135.17 Environmental Clearance for the Granite Building Stone Quarry of Smt. Jayasree, Managing Partner of M/s Saroj Realtors and Builders at Block No: 25 Re-Survey Nos. 191/1-3, 192/1-4, 192/1-3, 192/2, 193/20, 193/20-1, 180/4, 180/3-1, 180/3-2 in Perumkadavila Village, Neyyattinkara Taluk, Thiruvananthapuram, Kerala – Order issued No. 132/Q/2023 dated 24.08.2023 - Complaints and WP(C) No. 37197/2023 SIA/KL/MIN/162661/2020, 1748/EC1/2020/SEIAA

The Authority perused the item with the petitions dated 05.09.2023, 14.09.2023 and 27.10.2023 and the WP(C) No. 37197/2023 filed by the Missionary Society of St. Francis Xavier Trust, with a pray to stay the operation of Environmental Clearance issued on 24.08.2023. The Authority observed that the complaints and the WP(C) are with regard to ownership of the leased land. Authority noticed that as the dispute regarding the land comes under the mandate of Revenue Department and SEIAA has no jurisdiction to decide on such matters unless there is a specific direction from any court of law or relevant agencies. In this

case, the project proponent submitted all the relevant documents from the respective authorities and the legitimacy of such documents have to be confirmed by concerned departments before they are issued or there shall be some directions from the Hon'ble Courts.

Authority decided to wait for the interim / final judgement in WP(C) No. 37197/2023 filed by the Missionary Society of St. Francis Xavier Trust and inform the decision of the Authority to the petitioner.

**Item No.135.18 Environment Clearance for the Development of General Hospital, Thiruvananthapuram in Vanchiyoor village, Thiruvananthapuram Taluk, Thiruvananthapuram.
(SIA/KL/MIS/278234/2022, 2057/EC1/2022/SEIAA)**

The Authority perused the item and noted the decision of 149th SEAC meeting. The Authority observed that during the field inspection of the SEAC Sub-Committee, the project proponent intimated that there will be changes in the design and building plan. However, the Authority noticed that there is no formal communication from the project proponent regarding the same.

In this circumstance, the Authority decided to issue a letter to the project proponent, the Superintendent, General Hospital, Thiruvananthapuram to clarify the status of the project. It is also decided to refer the case back to SEAC and the Committee shall obtain any additional documents from the project proponent for further appraisal and give definite recommendation.

**Item No.135.19 Environmental Clearance for Granite Building Stone Quarry of Sri. Unnikrishnan K. for an area of 0.4420 Ha at Block No: 26, Re Survey No. 207/8 in Keezharoor Village, Kattakada Taluk, Thiruvananthapuram
(SIA/KL/MIN/428344/2023, 2275/EC1/2023/SEIAA)**

Sri. Unnikrishnan K, Thiruvathira, Kulavumthala Perumkadavila P.O, Thiruvananthapuram, submitted an Environmental Clearance application via PARIVESH on 22.05.2023 for the Granite Building Stone Quarry for an area of 0.4420 Ha at Block No. 26, Re- Survey No. 207/8 in Keezharoor Village, Kattakada Taluk, Thiruvananthapuram.

The Authority noted that SEAC in its 151st meeting examined the environmental feasibility of mining of granite building stones in a lease area of 0.5 Ha or less and found that it is difficult to ensure required environmental safeguards for mining in such small areas. In other words, if mining is permitted in a lease of 0.5 Ha or less, the stipulated environmental safeguards may be compromised to make the project viable. For ensuring environmental safeguards, the Authority in its 134th meeting, agreed to the decision of SEAC regarding the minimum area required for mining granite building stones in Kerala and had taken a decision that all the active / live applications with area 0.5 Ha or less received and pending for the appraisal by SEAC need not be appraised further as per the Clause 3 (3) of Environmental Protection Act 1986.

Considering the detailed report approved by the SEAC regarding the viability of mining in area less than 0.5 Ha, the Committee seek the advice of the Authority whether the application has to be appraised or not. The Authority perused the proposal and noted that the appraisal of the project is in its initial stage and the SEAC directed the project proponent to submit certain additional documents and the project proponent has not yet submitted the documents. Since, the appraisal of the project is its initial stage and the SEAC has not recommended the project, **the Authority decided to reject the application since the area is less than 0.5 Ha as per the decision of 134th SEIAA meeting and inform the same to Project Proponent.**

Item No.135.20 Environmental Clearance issued to the Granite Building Stone Quarry of M/s A-One Sands Pvt. Ltd in Block No.23, Re Sy Nos. 452, 441/1, 441/2, 435, 440/1, 440/2, 436 in Muthalamada –I Village, Chittur Taluk, Palakkad - 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 request letter dated 11.12.2023 of the project proponent to revoke the show cause notice issued by SEIAA as they have submitted their Wildlife Clearance application before SCNBWL. The Authority noticed that as per the decision of the 121st SEIAA meeting, show cause notice was issued to the project proponent for cancellation of conditional EC. Now the project proponent has submitted the proof of the application for Wildlife Clearance submitted before SCNBWL.

In this circumstance, the Authority decided to revoke the show cause notice issued on 09.02.2023, with a condition that the project proponent should obtain mandatory Wildlife Clearance from SCNBWL as per the OM dated 17.05.2022 of MoEF&CC and as per the directions in the Hon'ble Supreme Court Judgement dated 26.04.2023 in IA 13177 of 2022 before the commencement of mining.

Necessary intimation regarding the same shall be issued to the project proponent.

**Item No. 135.21 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K. K. Radhakrishnan, Managing Director, M/s Chathamala Crusher Private Limited, Kannur - Request for reconsideration of rejected application.
(SIA/KL/MIN/220733/2021; 1930/EC4/2021/SEIAA)**

The Authority perused the item and noted the request letter of the project proponent. The Authority noticed that the rejection order was issued to the project proponent on the basis of Precautionary Principle as recommended by the SEAC. Now the project proponent requested for reconsider his application.

Authority decided to direct the SEAC to hear the project proponent and examine the clarifications provided by the project proponent. The SEAC still has the freedom to reject the proposal for valid reasons.

**Item No.135.22 Construction of Twin Tube Unidirectional Tunnel Road (2+2 Lane) with Four Lane Approach (from existing roads) for providing direct connectivity between Aanakampoyil Kalladi - Meppadi in Kozhikode and Wayanad Districts of Kerala State.
[SIA/KL/MIS/76817/2022, 1992/EC2/2022/SEIAA]**

The Authority perused the item with the letter of the Executive Engineer, Kerala Public Works Department, Kozhikode and the modified ToR letter issued by the Authority on 02.12.2023. The Authority noticed that as per the letter of the Executive Engineer, Kerala PWD, the project is connecting two State Highways and can be considered as the expansion of State Highway under Category 7(f) (ii) of the Schedule of EIA Notification 2006.

Authority decided to ratify the modified ToR letter issued to the project proponent on 02.12.2023.

**Item No.135.23 Environmental clearance issued to the Granite Building Stone quarry project of Mr. Ulahannan in Re-Sy Nos. 57/16, 57/1270, 57/1069 & 57/1273 in Vavad Village, Mananthavady Taluk, Wayanad
(File No.1247/EC1/2019/SEIAA)**

The Authority perused the item with the letter dated 31.10.2023 of Secretary, Thavinjal Grama Panchayat. The Authority noticed that the EC was recommended by SEAC after considering all the environmental aspects of the project area. Now the Secretary, Thavinjal Grama Panchayat informed that there are cracks in the houses located at a distance of 500m and requested to inspect the site to verify the reason for the cracks in the houses at 500m distance from the project site.

The Authority decided that the request of the Secretary may not be considered as the distance of the houses are quite far away from the influence zone of the mining activities and beyond the distance as specified in the KMMC Rules which is 50m. However Panchayat has freedom to carry out a study through a recognised agency and take necessary further action. The decision of the Authority shall be intimated to the Secretary, Thavinjal Grama Panchayat.

**Item No.135.24 Enhancement of Processing Fee collected for the appraisal of Environmental Clearance applications
(File No: 304/A1/2023/SEIAA)**

The Authority deliberated the item and decided to accept the request of the Government to revise the processing fee collected for the appraisal of Environmental Clearance applications. The Authority noticed that the processing fees were fixed about nine years ago and the scope and prospects of the projects have changed drastically. In this circumstance, the Authority decided to propose the revision in the existing fees as below:

**PROCESSING FEE FOR ENVIRONMENTAL CLEARANCE APPLICATIONS FOR
CATEGORY B PROJECTS**

Sl. No	Item	Present	Proposed
1.	Building Projects		
	8(a) Building and Construction projects (less than 50000 sq.m)	R 2 Lakhs	R 3 Lakhs
	8(a) Building and Construction projects (50000 sq.m to less than 150000 sq.m)	R 2 Lakhs	R 5 Lakhs
	8(b) Township and Area Development projects	R 2 Lakhs	R 6 Lakhs
2	Mining Projects - Granite Building Stone		
	a) Projects having an area less than 1ha	R 5000 for each 10 Are or part there of	R 15000 for each 10 Are or part there of
	b) Projects having an area 1ha up to 2.5ha	R 1 Lakhs	R 2.5 Lakhs
	c) Projects having an area 2.5 ha up to 5ha	R 1 Lakhs	R 4 Lakhs
	d) Projects having an area 5 ha to 10ha	R 2 Lakhs	R 8 Lakhs
	e) Projects having an area of greater 10 ha	R 2.5 Lakhs	R 10 Lakhs
	Mining Projects - Laterite Building Stone		
	a) Projects having an area less than 1 Ha	R5000 for each 10 Are or part there of	R 7000 for each 10 Are or part there of
	b) Projects having an area greater than 1 Ha	R 5000 for each 10 Are or part there of	R 12000 for each 10 Are or part there of
	Mining Projects - Ordinary Earth / Clay / Ordinary Sand		
	a) Projects having an area less than 1ha	R 5000 for each 10 Are or part there of	R 10000 for each 10 Are or part there of
	b) Projects having an area greater than 1 Ha	R 5000 for each 10 Are or part there of	R 15000 for each 10 Are or part there of
	Mining Projects - Major Minerals		
	a) Projects having an area less than 5ha	R 5000 for each 10 Are or part there of	R 15000 for each 10 Are or part there of
	b) Projects having an area greater than 5 Ha	R 5000 for each 10 Are or part there of	R 20000 for each 10 Are or part there of
3.	Other than Building and Mining Projects		
	All other projects under the Schedule of EIA Notification	R 2 Lakhs	R 3 Lakhs

The SEIAA Secretariat should take necessary steps to forward the revised processing fee rates to the Government with a brief note on each item justifying the revised proposal as discussed and obtain the Government Order at the earliest.

Item No.135.25 **Petition regarding illegal and unauthorized laterite mining at Kannur District
(File No: 653/A2/2022/SEIAA)**

The Authority deliberated the complaints received from the Kerala Sasthra Sahathiya Parishath and letter dated 20.09.2023 from the District Collector, Kannur, regarding the illegal mining of laterite in Kannur District. The Authority noticed that the District Collector suggested that the issuance of Environmental Clearance should be expedited to halt the illegal mining activities in the District.

The Authority observed that the present SEAC has made sincere efforts to expedite the appraisal of laterite mining proposals, including exclusive meetings for laterite mining proposals and regulated the field inspection for less than 1 Ha areas. Now SEAC is in a position to dispose most of the proposals within 60 days from the date of application, even though the permissible time limit is 105 days as per EIA Notification, 2006. However, the Authority also observed that most of the delay had occurred because of the incomplete and vague submission of the application by the project proponent and the delay in the submission of additional documents sought by the SEAC.

In addition, the majority of the applications are for smaller units of 0.0971Ha (24 cents) by dividing larger areas into smaller units of 24 cents to obtain some benefit in royalty. Since, the effort and time to appraise a 1 Ha and a 24 cents proposals are the same, the cumulative impact of a large number of applications with small areas have seriously affected the efficiency of the SEAC and the smooth functioning of the Authority. Besides, such a large number of applications has also delayed the timely disposal of other applications, especially granite mining. Further, these kinds of operations have led to the large scale soil, water and air pollution in the project region.

In the above circumstances, the Authority decided the following:

- 1. To forward the complaint from Kerala Sasthra Sahathiya Parishath to District Collector for necessary follow up action through Department of**

Mining and Geology.

- 2. To request the District Collector to take stringent actions against illegal mining through Department of Mining and Geology and to create awareness among the unorganised sector in formulating project proposals complete in all respect with the assistance of Dept. of Mining and Geology, to streamline the mining activities in a legal manner.**
- 3. To propose a new regime of Royalty to discourage the splitting of proposals just to hoodwink the Government in paying the royalty. SEIAA Secretariat may put up a draft proposal for discussion in the next SEIAA meeting, in consultation with SEAC.**

Item No.135.26 **Approval of District Survey Report (DSR) of Malappuram District for Sand Mining
(File No: 3162/A1/2021/SEIAA)**

The Authority deliberated the item and noted the observations of SEAC in its 153rd meeting. The Authority noticed that the Government of Kerala have entrusted CSIR-National Institute of Interdisciplinary Science and Technology (NIIST), a NABET accredited agency with the task of preparing District Survey Report of Malappuram District. The Authority noticed that the DSR has prepared as per the Enforcement and Monitoring Guidelines for Sand Mining 2020 published by the MoEF&CC. The District Collector conducted the public consultation, advertisement in newspapers and formulate Sub Divisional Committee for field inspection based on the provision of EMGSM - 2020.

The SEAC observed that DSR is prepared in compliance to the EIA Notification and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020. The Committee also discussed various aspects of the report, obtained clarifications during the presentation and decided to approve the report subject certain suggestions. The Authority noticed that the accredited agency revised the DSR by incorporating the suggestions of SEAC and resubmit to the Authority.

In the above circumstances, the Authority decided to approve the District Survey Report of Malappuram District for the river sand mining with the observations

of SEAC. The Authority also decided to direct the ILDM, the nodal agency for the preparation of District Survey Reports for river sand mining to publish the final document in the website of all concerned departments / agencies.

Item No.135.27 **EIA Notifications and Office Memorandums issued by MoEF&CC related to Environmental Clearance (File No: 215/EC5/2022/SEIAA)**

Noted.

Item.No.135.28 **Environmental Clearances issued - Corporative Environment Responsibility of Various Projects – Review the Status of Activities carried out - District Level/State Level Review/Monitoring Mechanism – proposal/guidelines – reg (File No.713/A1/2020/SEIAA)**

The Authority deliberated the item and noted the decisions of previous SEIAA meetings on the subject. The Authority noticed that the guidelines for CER have been approved and uploaded in the SEIAA website for execution. However, the post EC monitoring and the implementation of CER activities have not been taken seriously so far and should be enforced scrupulously for the betterment of environment in the project region.. On an average, in a year, Rs 20-25 crores of CER funds are available and if streamlined properly State can generate tangible assets in the project region to safe guard the environment.

Authority is of the strong opinion that an institutionalised permanent monitoring mechanism should be in place to monitor all CER activities. It is proposed to utilise and a part of Environment Benefit Fund for the functioning of the mechanism. Therefore, the Authority decided to propose to the Government to set up a permanent institutionalised State Level mechanism in the Directorate of Environment and Climate Change for post EC monitoring, leading to the proper implementation of CER activities.

SEIAA Secretariat in consultation with DoECC to develop a draft proposal within a month and place it before SEAC for their inputs. The final draft proposal shall be placed in the SEIAA meeting proposed to be held in February 2024.

Item No.135.29 **Environmental Clearance for the Granite Building Stone Quarry, for an area of 4.8171 Ha at Re-Sy. Nos. KPD 833, KPD 836, KPD**

1148, KPD 838 in Kelakam Village, Iritty Taluk, Kannur, Kerala - Rejected Proposal - WP(C) No. 31732 of 2023, filed by Sri. M. M. Thomas, Managing Director, M/s Kottiyoor Metals - (SIA/KL/MIN/152389/2020; 1738/EC4/2020/SEIAA)

The Authority discussed the matter and noted that despite being informed well in advance via email and phone, the project proponent did not attend the hearing nor informed the Authority of his/her inability to attend the hearing. The Authority also observed that the project proponent filed a WP(C) 31732 of 2023 before the Hon'ble High Court, requesting an opportunity to be heard. The Standing Counsel, Hon'ble High Court, informed the Authority that the Hon'ble High Court verbally directed the hearing to be conducted. However, even after being given two chances, the project proponent did not attend the hearing and seems to be wilfully avoiding it.

Given these circumstances, the Authority has decided to give the project proponent one more opportunity to attend the hearing in the next meeting.

Necessary intimation regarding the same shall be given to the project proponent well in advance over phone and email. It is also decided to intimate the Standing Counsel, Hon'ble High Court about the project proponent's deliberate absence from the hearing on two occasions.

Item No.135.30 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. C. G. George, Managing Partner, M/s Sri Lakshmi Stone Crusher, for an area of 4.8875 Ha at Re-Sy. Nos. 1561/120, 1561/137, 1561/138 in Kanichar Village, Iritty Taluk, Kannur- Reconsideration of rejected application (SIA/KL/MIN/203074/2021; 1899/EC4/2021/SEIAA)

As intimated by the Authority, son of the project proponent Sri. C.G. George, attended the hearing on 22.12.2023. He informed the Authority that his father is unwell and he was not prepared to attend the hearing. He requested to postpone the hearing. Considering the request of the project proponent, **the Authority decided to postpone the hearing to the next SEIAA meeting. Necessary intimations shall be given to the project proponent well in advance over phone and email.**

Item No: 135.31 **Environmental Clearance issued to the Proposed Mixed use Township Development Project ‘Landmark Trade Centre’ of Sri. Anwar Sadath, Director, M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd at Survey Nos. 27/1, 30/4c, 31/4, 7, 8, 9, 32/4, 351b in Pantheerankavu Village, Olavanna Panchayat, Kozhikode Taluk & Kozhikode, Kerala - Judgment dated 11.09.2023 in Appeal No. 05/2022 (SZ) before the Hon’ble NGT & WP(C) No. 30399/2023 filed by M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd, WP(C) No.32797/2023 filed by SEIAA & WP(C) No. 35871/2023 filed by Dr. Vineeth K. Adiyodi & others before the Hon’ble High Court (1193/EC2/2018/SEIAA)**

The Authority perused the item and noted that as directed by SEIAA Counter Affidavit was filed on 22.12.2023 before the Hon’ble High Court. The Authority also noted the clarification forwarded to the Standing Counsel in WP(C) No. 35871 of 2023 filed by Sr. Vineeth K Adiyodi and others.

Item No.135.32 **Approval of Guidelines for the utilization of Environment Benefit Fund for the Environmental restoration activities (File No: 520/A1/2022/SEIAA)**

The Authority perused the guidelines and noted the recommendation of 151st SEAC meeting. The Authority noticed that the draft guidelines was appraised and approved through circulation and submitted to Government in compliance to the Hon’ble Court order. Hence, the Authority decided to ratify the guidelines for the Utilization of Environment Benefit Fund.

PARIVESH FILES

PART – 1

Item No.1 **Environmental Clearance for the Granite Building Stone Quarry project of Sri. Kuttiamu Haji P M for an area of 0.6425 Ha at Survey Nos: 28/1, 28/2-1, 28/2-2 in Pulikkal Village, Kondotty Taluk, Malappuram (SIA/KL/MIN/400899/2022, 2333/EC6/2023/SEIAA)**

Sri. Kuttiamu Haji P M submitted an Environmental Clearance application for the Granite Building Stone Quarry project for an area of 0.6425 Ha at Survey Nos: 28/1, 28/2-1, 28/2-2 in Pulikkal Village, Kondotty Taluk, Malappuram.

The Authority perused the proposal and noted that SEAC in its 152nd meeting observed that the baseline monitoring data is more than 3 years old and as per Cluster Certificate dated 03.08.2022, the total quarrying area within a radius of 500m is 7.4046 Ha and hence there is a cluster situation. The Committee decided to recommend ToR.

Based on the above observations, the Authority agreed to the recommendation of SEAC and decided to inform the project proponent to submit the application for ToR.

Item No.2 **Environmental Clearance for Laterite Building Stone Quarry of Sri. Muraleedharan L. at Survey No. 467/8-2 for an area of 0.1158 Ha in Naduvathoor Village, Kottarakara Taluk, Kollam (Old Proposal No. SIA/KL/MIN/276929/2022, 540/A1/2019/SEIAA) (New Proposal No. SIA/KL/MIN/424274/2023)**

Sri. Muraleedharan L. submitted an Environmental Clearance application for the Laterite Building Stone Quarry for an area of 0.1158 Ha at Survey No. 467/8-2 in Naduvathoor Village, Kottarakara Taluk, Kollam.

The Authority perused the proposal and noted that SEAC in its 152nd meeting observed that certain essential documents were not uploaded along with the application and hence decided not to accept the application for appraisal. Now the project proponent submitted the documents to SEIAA vide email dated 28.11.2023.

The Authority decided to forward the documents submitted by Project proponent to SEAC with a direction to continue the appraisal on its merits, after getting the missing documents if any from the project proponent through PARIVESH portal.

Item No.3 Environmental Clearance application for the Laterite Building Stone Quarry Project of Sri. Unnikrishnan P. for an area of 0.3885 Ha at Block No.91, Re-Survey No: 46/109 in Kalliyad Village, Iritty Taluk, Kannur (SIA/KL/MIN/425079/2023, 2306/EC4/2023/SEIAA)

Sri. Unnikrishnan.P submitted an Environmental Clearance application for the Laterite Building Stone Quarry Project on 23rd June, 2023, for an area of 0.3885 Ha at Block No. 91, Re-Sy No: 46/109 in Kalliyad Village, Iritty Taluk, Kannur.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining, the mine life is 3 years. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

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

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the 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 mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*

4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
6. *The excavation activity should be restricted to 2m above the ground water table at the site.*
7. *The excavation activity should not alter the natural drainage pattern of the area*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the*

date of EC.

19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
20. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent 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. *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.4

**Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Manikandan K., for an area of 0.1943 Ha at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur
(SIA/KL/MIN/429142/2023, 2280/EC4/2023/SEIAA)**

Sri. Manikandan K. submitted an Environmental Clearance application for the Laterite Building Stone Quarry project on 24 May, 2023, for an area of 0.1943 Ha at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noticed that the three project proposals for laterite mining (SIA/KL/MIN/429142/2023, SIA/KL/MIN/429176/2023 & SIA/KL/MIN/429187/2023) recommended by SEAC, are in the same village, block and survey nos., and share the common environmental, geographical and topographical features, etc. Since all the three mining projects are in a contiguous area and the large scale mining is likely to have environmental implications in the project area.

Authority decided to direct the project proponent to submit the following documents:

- 1. Common plan for drainage facilities from the mining area and EMP**
- 2. Provision for common waste and top soil dumping facilities.**
- 3. Common plan for mine closure.**

Item No.5 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Santhosh Kumar K. for an area of 0.1943 Ha at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur (SIA/KL/MIN/429176/2023, 2291/EC4/2023/SEIAA)

Sri. Santhosh Kumar K submitted an Environmental Clearance application for the Laterite Building Stone Quarry project on 12th June, 2023, for an area of 0.1943 Ha at Block No. 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the

mine life is 1 year. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noticed that the three project proposals for laterite mining (SIA/KL/MIN/429142/2023, SIA/KL/MIN/429176/2023 & SIA/KL/MIN/429187/2023) recommended by SEAC, are in the same village, block and survey nos., and shares the common environmental, geographical and topographical features, etc. Since all the three mining projects are in a contiguous area and the large scale mining is likely to have environmental implications in the project area.

Authority decided to direct the project proponent to submit the following documents:

- 1. Common plan for drainage facilities from the mining area and EMP**
- 2. Provision for common waste and top soil dumping facilities.**
- 3. Common plan for mine closure.**

Item No.6 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. M. Rajan for an area of 0.1943 Ha at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur (SIA/KL/MIN/429187/2023, 2277/EC4/2023/SEIAA)

Sri. M. Rajan submitted an Environmental Clearance application for the Laterite Building Stone Quarry project on 24th May, 2023, for an area of 0.1943 Ha at Block No: 24, Re-Survey No: 76/101 in Alapadamba Village, Payyannur Taluk, Kannur.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noticed that the three project proposals for laterite mining (SIA/KL/MIN/429142/2023, SIA/KL/MIN/429176/2023 & SIA/KL/MIN/429187/2023) recommended by SEAC, are in the same village, block and survey nos., and shares the common environmental, geographical and topographical features, etc. Since all the three mining projects are in a contiguous area and the large scale mining is likely to have environmental implications in the project area.

Authority decided to direct the project proponent to submit the following documents:

- 1. Common plan for drainage facilities from the mining area and EMP**
- 2. Provision for common waste and top soil dumping facilities.**
- 3. Common plan for mine closure.**

Item No.7 Environmental Clearance for the Laterite Building Stone Quarry of Smt. Saibunnessa Ismail, for an area of 0.1945 Ha at Block No: 42, Re-Survey No: 76/573 in Panappuzha Village, Payyannur Taluk, Kannur (SIA/KL/MIN/429631/2023, 2276/EC4/2023/SEIAA)

Smt. Saibunnessa Ismail submitted an Environmental Clearance application for the Laterite Building Stone Quarry project on 24th May, 2023, for an area of 0.1945 Ha at Block No: 42, Re-Survey No: 76/573 in Panappuzha Village, Payyannur Taluk, Kannur.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

1. *The 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 mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge-*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
6. *The excavation activity should be restricted to 2m above the groundwater table at the site.→*
7. *The excavation activity should not alter the natural drainage pattern of the area.*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the*

periphery of the project area.

15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
20. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent 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. *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.8

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Noushad C. K. for an area of 0.1893 Ha at Sy. Nos: 63/3-1-1, 63/3-2-1, 63/3-3-1, 64/4 in Muthuvalloor Village, Kondotty Taluk., Malappuram (SIA/KL/MIN/429680/2023, 2287/EC6/2023/SEIAA)

Sri. Noushad C.K submitted an Environmental Clearance application for the Laterite Building Stone Quarry project for an area of 0.1893 Ha at Sy. Nos: 63/3-1-1, 63/3-2-1, 63/3-3-1, 64/4 in Muthuvalloor 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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 2 years. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

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

1. *The 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 mining should be restricted to a maximum depth of 4 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
6. *The excavation activity should be restricted to 2m above the groundwater table at the*

site.

7. *The excavation activity should not alter the natural drainage pattern of the area.*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*

20. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent 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. 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.9

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Ahammed Kunji A.T.P., for an area of 0.1944 Ha at Block No. 46, Re-Survey Nos: 14/848, 14/676 in Pariyaram Village, Thaliparamba Taluk, Kannur, Kerala
(SIA/KL/MIN/430072/2023, 2304/EC4/2023/SEIAA)**

Sri. Ahammed Kunji A.T.P. submitted an Environmental Clearance application for the Laterite Building Stone Quarry Project on 22nd June, 2023, for an area of 0.1944 Ha at Block No. 46, Re-Survey Nos: 14/848, 14/676 in Pariyaram Village, Thaliparamba Taluk, Kannur.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents

obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per 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 mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
6. *The excavation activity should be restricted to 2m above the groundwater table at the site*
7. *The excavation activity should not alter the natural drainage pattern of the area.*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors*

in the water bodies created due to the excavation of earth.

- 12. Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 13. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
- 14. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
- 15. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
- 16. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
- 17. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 18. Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
- 19. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
- 20. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent 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. 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.10 **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. K. V. Krishnan, for an area of 0.1942 Ha at Block No: 91, Re-Survey No. 3/628 in Kaliyad Village, Iritty Taluk, Kannur.**
(SIA/KL/MIN/430102/2023, 2292/EC4/2023/SEIAA)

Sri. K V Krishnan submitted an Environmental Clearance application for the Laterite (Building Stone) Quarry project on 16th June, 2023, for an area of 0.1942 Ha at Block No: 91, Re-Survey No. 3/628 in Kaliyad Village, Iritty Taluk, Kannur.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per 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 mining should be restricted to a maximum depth of 4 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
6. *The excavation activity should be restricted to 2m above the groundwater table at the site.*
7. *The excavation activity should not alter the natural drainage pattern of the area*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow*

water should be clarified and drained to the nearest natural drain without any hindrance.

- 17. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 18. Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
- 19. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
- 20. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent 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. 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.11

Environmental Clearance for the Laterite Building Stone Quarry of Sri. A.C. Yousaf, for an area of 0.1942 Ha at Block No. 91, Re-Survey No: 3/628 in Kaliyad Village, Iritty Taluk, Kannur, Kerala (SIA/KL/MIN/430586/2023, 2293/EC4/2023/SEIAA)

Sri. A.C. Yousaf submitted an Environmental Clearance application for the Laterite Building Stone Quarry project for an area of 0.1942 Ha at Block No. 91, Re-Survey No: 3/628 in Kaliyad Village, Iritty Taluk, Kannur.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per 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 mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity should not involve blasting.*
- 6. The excavation activity should be restricted to 2m above the groundwater table at the site.*
- 7. The excavation activity should not alter the natural drainage pattern of the area*
- 8. The excavated pit should be restored by the project proponent for agriculture and*

other useful purposes.

9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
20. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent 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. 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 Laterite Building Stone Quarry project of Sri. Usman Thazhathery, for an area of 0.0971 Ha at Block No: 137 Re-Survey No: 30/551 in Chuzhali Village, Thaliparamba Taluk, Kannur, Kerala
(SIA/KL/MIN/431341/2023, 2294/EC4/2023/SEIAA**

Sri. Usman Thazhathery submitted an Environmental Clearance application for the Laterite Building Stone Quarry project for an area of 0.0971 Ha at Block No: 137, Re-Survey No: 30/551 in Chuzhali Village, Thaliparamba Taluk, Kannur.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per 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 mining should be restricted to a maximum depth of 5 m below ground level, subject to limiting the depth 1 m above the lithomarge and 2 m.*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
6. *The excavation activity should be restricted to 2m above the groundwater table at the site.*
7. *The excavation activity should not alter the natural drainage pattern of the area*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*

13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
20. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent 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. *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.13 **Environmental Clearance for Ordinary Clay Mining project of Sri. P. S. Ajayakumar, for an area of 0.1800 Ha at Block No. 12, Re Survey No-456/1 in Kollengode 2 Village of Chittur Taluk, Palakkad**
SIA/KL/MIN/432522/2023, 2290/EC1/2023/SEIAA

Sri. P. S Ajayakumar, Proprietor, Aishwarya Bricks, Pulikkal, Chingamchira Nenmeni Post, Kollengode Palakkad, vide application received on 08.06.2023, sought Environmental Clearance for the ordinary clay mining project at Block No. 12, Re Survey No. 456/1, in Kollengode 2 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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 2 years. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

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

1. *The project proponent should obtain NOC from the KSEB for the high tension line subject to their distance norm prior to the commencement of mining.*
2. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per 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 should not involve blasting.*
- 5. The excavation activity should be restricted to 2m above the groundwater 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 agriculture and other useful purposes.*
- 8. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 9. Measures should be taken to prevent dust emissions by covering 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 the 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 the proposed excavation.*
- 13. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
- 14. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
- 15. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
- 16. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*

17. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
18. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)
19. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent 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. 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.14

Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Abdul Jaleel for an area of 0.2750 Ha at Sy. No. 7/2-3 in Mankada Village, Perinthalmanna Taluk, Malappuram. (SIA/KL/MIN/432642/2023, 2300/EC6/2023/SEIAA)

Sri. Abdul Jaleel submitted an Environmental Clearance application for the Laterite Building Stone Quarry for an area of 0.2750 Ha at Sy. No. 7/2-3 in Mankada Village, Perinthalmanna 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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per 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 mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
6. *The excavation activity should be restricted to 2m above the groundwater table at the site.*
7. *The excavation activity should not alter the natural drainage pattern of the area*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*

10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
20. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent 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. *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.15

Environmental Clearance for the Granite Building Stone Quarry project of Sri. Stephen Joseph, Managing Director, M/s Crystal Aggregates Pvt. Ltd for an area of 0.9108 Ha at Survey Nos: 508/3/2, 510/3B/2 in Thirumarady Village, Muvattupuzha Taluk, Ernakulam (SIA/KL/MIN/434752/2023, 2417/EC1/2023/SEIAA)

Sri. Stephen Joseph, Managing Director, M/s Crystal Aggregates Pvt. Ltd. submitted an Environmental Clearance application for the Granite Building Stone Quarry for an area of 0.9108 Ha at Survey Nos: 508/3/2,510/3B/2 in Thirumarady Village, Muvattupuzha Taluk, Ernakulam.

The Authority perused the proposal and noted that the project proponent had submitted a project proposal earlier (SIA/KL/MIN/153262/2020 & File no.1825/EC3/2020/SEIAA) and the Authority in its 119th meeting, agreed to the recommendation of SEAC to reject the proposal due to the presence of built structures within 50m of the project site and Rejection Order was issued on 17.11.2022. The project proponent submitted a new project proposal and the Committee in its 152nd meeting observed that the baseline monitoring data is more than three years old. Hence the Committee decided not to accept the application.

The Authority noted the request of the project proponent dated 23.11.2023 stating that that the new application was submitted after clearing all the structures within 50m. The project proponent has also submitted the latest baseline monitoring data.

Authority decided to refer the proposal to SEAC for further appraisal after getting the additional documents if any from the project proponent in Parivesh Portal, on its merit.

Item No.16 Environmental Clearance for the Granite Building Stone Quarry project of Sri. Thomas Joseph for an area of 0.9674 Ha at Survey No. 79/1-5-1pt in Manjalloor Village, Muvattupuzha Taluk Ernakulam. (SIA/KL/MIN/434759/2023, 2410/EC1/2023/SEIAA)

The Authority perused the proposal along with the request letter of the project proponent dated 16.11.2023 and observed that as directed by SEIAA in its 114th meeting, the project proponent submitted a fresh application for EC. The SEAC in its 152nd meeting observed that the baseline monitoring data submitted along with the application is more than three years old and hence decided not to accept the application. The Authority noted that the project proponent has provided the latest baseline data as an Annexure to the application.

Authority decided to refer the proposal to SEAC for further appraisal according to its merits.

Item No.17 Environmental Clearance application for the Granite Building Stone Quarry Project of Sri. Ranju K. K., Managing Director, M/s. Neeloor Aggregates Pvt. Ltd., for an area of 3.2225 Ha at Block No. 30, Re. Survey Nos. 422/1, 422/2, 440/1, 440/3, 440/4, 441/5, 442/1 in Kadanadu Village, Meenachil Taluk, Kottayam (SIA/KL/MIN/435475/2023, 2331/EC3/2023/SEIAA)

Sri. Ranju K. K., Managing Director, M/s. Neeloor Aggregates Pvt Ltd., submitted an Environmental Clearance application for the Granite Building Stone Quarry Project via PARIVESH on 03rd July 2023, for an area of 3.2225 Ha at Block No. 30, Re. Survey Nos.

422/1, 422/2, 440/1, 440/3, 440/4, 441/5, 442/1 in Kadanadu Village, Meenachil Taluk, Kottayam.

The Authority perused the project proposal and noted that the SEAC in its 152nd meeting observed that the monitoring data submitted is more than three years old, and hence decided that the application cannot be accepted for appraisal.

The Authority accepted the recommendation of the SEAC and decided to direct the project proponent to submit the necessary documents within one month. Otherwise, the application will be rejected at his risk and cost.

Item No.18 Environmental Clearance for Laterite Building Stone Quarry of Sri. Prince M.P. for an extent of 0.1940 at Re - Survey No. 83/2 in Edakattuvayal Village, Kanayannur Taluk, Ernakulam (Old Proposal No. SIA/KL/MIN/141091/2020, 1863/EC3/2020/SEIAA) (New Proposal No. SIA/KL/MIN/436383/2023)

Sri. Prince M.P. submitted an Environmental Clearance application for the Laterite Building Stone Quarry on 05/10/2020 for an extent of 0.1940 at Re - Survey No. 83/2 in Edakattuvayal Village, Kanayannur 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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 152nd meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per 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 mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
- 4. Proper benches should be provided at an interval of every 1.5 m.*
- 5. The excavation activity associated should not involve blasting.*
- 6. The excavation activity should be restricted to 2m above the ground water table at the site.*
- 7. The excavation activity should not alter the natural drainage pattern of the area*
- 8. The excavated pit should be restored by the project proponent for a useful purpose.*
- 9. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 10. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
- 11. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
- 12. Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 13. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
- 14. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*
- 15. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*

16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
20. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent 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. *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.19

Environmental Clearance for the Granite Building Stone Quarry project of Sri. Babu P., for an area of 0.9392 Ha at Survey No. 220/1A in Thayannur Village, Vellarikund Taluk, Kasaragod

**(Old Proposal No. SIA/KL/MIN/42055/2019, 1427/EC2/2019/SEIAA)
(SIA/KL/MIN/437855/2023, 1427/EC2/2019/SEIAA)**

Sri. Babu P., Periyadath House, Mundiyanam, Thayannur (P.O) Parappa, Kasaragod, Kerala, vide application received on 31.08.2019 sought Environmental Clearance for the proposed Granite Building Stone Quarry project at Survey No. 220/1A in Thayannur Village, Vellarikund Taluk, Kasaragod.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 5 years. After the due appraisal, the SEAC in its 146th meeting, recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

Since the application is submitted in the ToR portal, the Authority in its 130th meeting directed the project proponent to submit application for EC in Parivesh portal for granting Environmental Clearance. Now the project proponent submitted the application in Parivesh portal and the SEAC in its 152nd meeting observed that the baseline monitoring report submitted is more than three years old. Hence the Committee decided that the application cannot be accepted for appraisal.

The Authority decided to refer the proposal to SEAC with a direction to consider the application, since this is an old project and SEAC had had already completed appraisal and recommended EC. Now new application is only for issuing EC. SEAC still has freedom to call for any additional document/information if required.

Item No.20

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K.M. Abdul Rasheed, M/s. Ever-One Properties India Pvt. Ltd for an area of 4.1258 Ha at Re-Sy. Nos. 186/1A/2-17, 189/1A-1, 186/1A/2-51, 186/1A-2-24-2 in Neriya Mangalam Village, Kothamangalam Taluk, Ernakulam.
(SIA/KL/MIN/441325/2023, 2343/EC3/2023/SEIAA)**

Sri. K. M Abdul Rasheed M/s Ever-One Properties India Pvt. Ltd., Pareekanni P.O., Uppukuzhi, Kothamangalam, Ernakulam submitted an Environmental Clearance application for the Granite Building Stone Quarry for an area of 4.1258 Ha at Re-Sy. Nos. 186/1A/2-17, 189/1A-1, 186/1A/2-51, 186/1A-2-24-2 in Neriya Mangalam Village, Kothamangalam Taluk, Ernakulam.

The Authority perused the proposal and observed that the SEAC in its 152nd meeting directed the project proponent to apply for ToR as there is cluster situation. The Authority noticed that as per Cluster Certificate dated 31.07.2023 there is another working quarry of the project proponent with an area of 3.2008 Ha and a non working quarry of area 4.1317 Ha both owned by the PP. The details of non working quarry and its satisfactory mine closure is not made available. Hence the total area is more than 5Ha and warrants EIA study.

The Authority agreed to the recommendation of SEAC and decided to direct the Project Proponent to apply for ToR.

PART – 2

Item No.1 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Babu N. P., Managing Partner, M/s. Grand Rock Products for an area of 0.8821 Ha at Sy. No. 157/3 in Vadakkanchery Village, Thalappilly Taluk, Thrissur SIA/KL/MIN/133614/2019, 1842/EC6/2020/SEIAA

Sri. Babu N. P., Managing Partner, M/s. Grand Rock Products submitted an Environmental Clearance application on 15.09.2022 for the Granite Building Stone Quarry Project for an area of 0.8821 Ha at Sy. No. 157/3 in Vadakkanchery Village, Thalappilly Taluk, Thrissur.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 5 years. After the due appraisal, the SEAC in its 151st 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, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The Project Proponent has to comply OM dated 17-05-2022 of MoEF&CC if the project area falls within 10 km radius of Wild Life Sanctuary as per the directions contained in the Honourable Supreme Court Judgement dated 26.4.2023 in IA*

13177 of 2022.

4. *Since, the project is located within 10 km of Peechi Vazhani Wildlife Sanctuary, the Project Proponent has to obtain Wildlife Clearance from the SCNBWL as per the OM dated 17.05.2022 of MoEF&CC as per the directions in the Hon'ble Supreme Court Judgement dated 26.04.2023 in IA 13177 of 2022 before the commencement of mining.*
5. *Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
6. *Copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief Wildlife Warden, Kerala, SEAC, District Collector, Thrissur and Department of Industries GoK, besides others for information and necessary further action.*
7. *The ultimate depth of mining should be at least 1 m above groundwater table at the site.*
8. *The CER shall be part of EMP and the compliance status shall be included in the Half Yearly Compliance Report.*
9. *The closure of abandoned quarry should be carried out prior to the commencement of mining as per the KMMC Rules and the approved Mining Plan and the project proponent should produce the Certificate from the District Geologist to the effect that the mine has been closed.*
10. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus*

(Ayiniplavu) etc.

11. *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.*
12. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*
13. *The impact of vibration due to blasting on the houses and other built structures within 500m 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.*
14. *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 Half Yearly Compliance Report (HYCR).*
15. *Drainage water should be monitored 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.*
16. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
17. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites.*
18. *CER Plan comprising solar energy installation, rainwater harvesting and sanitation facility and closure of the adjacent old abandoned quarry should be implemented within the first 2 years utilizing the projected outlay of Rs. 5 lakh or more and it should be operated and maintained for the entire period of mine till the mine closure plan is implemented.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*

20. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
21. *Adequate energy conservation measures should be implemented including solar power installations at the site. At least 40% of the energy requirement shall be met from the solar power.*
22. *Adequate measures should be adopted to harvest the rainwater at the site as per the guidelines issued by the Central Ground water Authority.*
23. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
24. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
25. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
26. *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.*
27. *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.*

28. *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.*
29. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.2

Environmental Clearance for the Granite Building Stone quarry of Sri. N.C. Abdul Majeed, Managing Partner, Mukkom Granites for an area of 0.9467 Ha at Re Survey Nos: 5/5A2 (5/4730, 5/4731) in Kavilumpara Village, Vatakara Taluk, Kozhikode SIA/KL/MIN/142276/2020, 1806/EC4/2020/SEIAA

Sri. N.C. Abdul Majeed, Managing Partner, Mukkom Granites, Poothampara post, Thottilpalam, Kozhikode submitted an Environmental Clearance application via PARIVESH for the Granite Building stone quarry for an area of 0.9467 Ha at Re Survey Nos: 5/5A2 (5/4730, 5/4731) in Kavilumpara Village, Vatakara Taluk, Kozhikode.

The Authority noted the action taken by SEAC in its 137th, 150th, 151st meetings held on different dates. The SEAC in its 151st meeting examined the proposal, discussed the field inspection report conducted on 05.04.2023 and observed the following:

1. *Proposed site form part of a highly hazard prone area all around with steep slopes and hillocks.*
2. *The proposed site is falling in the middle portion of the side slope of a hill with steep slope.*
3. *There are built structures close to the proposed site, especially near to BP2 and BP3. A small shed is also seen near to the project site, in the lower reaches.*
4. *A seasonal stream is noticed in the neighbourhood.*
5. *Geologically, the rocks are highly joined and fractured*
6. *Project area is characterized by high extent of natural vegetation, represented by diverse species*

7. *Entire site falls in a moderate hazard zone in continuity with high hazard zone. The high hazard zone is located at a distance of 96.45 meters from the project site.*

Considering the hazard vulnerability and ecological sensitivity of the area, any intrusive activity such as mining will adversely affect the geo-environmental settings of the area. Therefore, the Committee recommended rejection of the proposal invoking Precautionary Principle.

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

**Item No.3 Environmental Clearance for the Granite Building Stone Quarry of Sri. Biju. O, Managing Director, M/s Elayadam Constructions Pvt. Ltd. for an area of 0.9999 Ha at Sy. Nos. 285/2, 6 in Purameri Village, Vadakara Taluk, Kozhikode
SIA/KL/MIN/239511/2021, 2096/EC4/2022/SEIAA**

Sri. Biju. O, Managing Director, M/s Elayadam Constructions Pvt Ltd submitted an Environmental Clearance application via PARIVESH on 14.11.2022 for the Granite Building Stone Quarry for an area of 0.9999 Ha at Sy. Nos. 285/2, 6 in Purameri 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 project based on Form 2, 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, the mine life is 4 years. After the due appraisal, the SEAC in its 151st 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, subject to the following Specific Conditions in addition to the General Conditions.

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan*

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

- 2. The EC shall be valid from the date of execution of 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 quarrying should be permitted only after getting the approval of the District Level Crisis Management Committee for mining constituted vide GO (Rt) No. 542/14/ID dated 26.5.2012 as the site is located in moderate hazard zone as given in Hazard Susceptibility Area of Kerala, 2014.*
- 4. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
- 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. The impact of vibration due to blasting on the houses and other built structures within 500m 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.*
- 7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
- 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 half-yearly compliance report (HYCR).*
- 9. Drainage water should be monitored 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. *Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites*
11. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
12. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
13. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
14. *Adequate energy conservation measures should be adopted including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
15. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
16. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
17. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
18. *Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR*
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.4

Environmental Clearance for the Granite Building Stone Quarry of Sri. Shibu S. for an area of 2.1252 Ha at Block No. 37, Re-Survey Nos. 37/5-2, 37/5-3, 37/4-2, 37/4-1, 37/3-2-2, 37/3-1, 37/3- 2, 37/13-1- 2, 35/2-2, 35/14, 35/15, 35/15-2, 36/3, 36/2-2, 35/13, 36/4 in Velinellur Village, Kottarakkara Taluk, Kollam (SIA/KL/MIN/275539/2022, 2068/EC2/2022/SEIAA)

Sri. Shibu S., Shibu Nivas, Nettayam (PO), Ambalamkunnu, Kollam submitted an Environmental Clearance application for an area of 2.1252 Ha at Block No. 37, Re-Survey Nos. 37/5-2, 37/5-3, 37/4-2, 37/4-1, 37/3-2-2, 37/3-1, 37/3- 2, 37/13-1- 2, 35/2-2, 35/14, 35/15, 35/15-2, 36/3, 36/2-2, 35/13, 36/4 in Velinellur Village, Kottarakkara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, 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, the mine life is 5 years. After the due appraisal, the SEAC in its 151st 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 project area includes Govt. land and the NOC was issued by the District Collector on 06.12.2018. The validity of NOC was extended for one more year as per order dated 02-04-2022, with a condition that the Environmental Clearance should be obtained within one year from the date of issuance of extended NOC. Since, the Project Proponent submitted the application for Environmental Clearance only on 06.08.2022, the Authority decided to direct the project proponent to submit valid NOC from the District Collector, Kollam before issuing EC.

Item No.5 Environment Clearance for the Granite Building Stone Quarry project of Sri. Antony S. Alukkal, M/s Minering Aggregates Private Limited, for an area of 4.7998 Ha at Re-Sy Block No. 01, Re-Sy Nos.: 23/1 pt427, 23/1 pt426, 23/1 pt424 & 23/1 pt375, in Kolathur Village, Kasaragod Taluk, Kasaragod, Kerala (SIA/KL/MIN/277481/2022, 2118/EC2/2022/SEIAA)

Sri. Antony S Alukkal, M/s Minering Aggregates Private Limited submitted an Environmental Clearance application for the Granite Building Stone Quarry project on 14th October 2022, for an area of 4.7998 Ha at Re-Sy Block No. 01, Re-Sy Nos. 23/1 pt427, 23/1 pt426, 23/1 pt424 & 23/1 pt375, in Kolathur Village, Kasaragod Taluk, Kasaragod.

The Authority noted the action taken by SEAC in its 134th, 142nd, 143rd & 146th meetings held on different dates. The Committee in its 151st meeting recommended rejection of the project proposal invoking the Precautionary Principle. The Authority also noted that the project proponent has filed a WP(C) No. 40603 of 2023 before the Hon'ble High Court of Kerala with a prayer to stay all further proceedings pursuant to Ext. P8 (True copy of the decision No. 151st SEAC meeting), pending disposal of the writ petition. The project

proponent also prayed that he hadn't been given an opportunity for hearing before rejecting the proposal.

Under these circumstances, pending decision in WP(C) No. 40603 of 2023, the Authority decided to give an opportunity of hearing to the project proponent in the next meeting. The intimation regarding the hearing shall be given to the project proponent well in advance.

Item No.6 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Sajeer K.T for an area of 1.2008 Ha at Re-Sy Nos. 3/4, 3 in Trikkalangode Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/278920/2022, 2091/EC6/2022/SEIAA)

Sri. Sajeer K.T, Kunnatheri H.O, Kalathilpadi, Pulpatta P.O, Malappuram submitted an Environmental Clearance application through PARIVESH on 23.08.2022 for the Granite Building Stone Quarry Project for an area of 1.2008 Ha at Re-Sy Nos. 3/4, 3 in Trikkalangode Village, Ernad Taluk, Malappuram.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC appraised the project 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 12 years. After the due appraisal, the SEAC in its 151st 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 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 each 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 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 each 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
4. *The ultimate depth of mining should be limited to 85 m and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
5. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
6. *Adequate safeguard measures should be taken to avoid risk to the built structures downstream, 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. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
9. *The impact of vibration due to blasting on the houses and other built structures within 500m 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.

- 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 half yearly compliance report (HYCR).*
- 11. Drainage water should be monitored 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. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
- 13. Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites.*
- 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. 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).*
- 16. Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
- 17. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.*
- 18. Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
- 19. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*

20. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
21. *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.*
22. *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.*
23. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
24. *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.*
25. *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.*
26. *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.

27. *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. P. P. Asharaf for an area of 0.9691 Ha at Survey No. 305/1A and 305/1B in Thrithala Village, Pattambi Taluk, Palakkad SIA/KL/MIN/284986/2022, 2122/EC1/2022/SEIAA

Sri. P. P. Asharaf, Pulaparamabil House, Pottur, Mudur P.O Malappuram, submitted an Environmental Clearance application on 21.10.2022 for the Granite Building Stone Quarry for an area of 0.9691 Ha at Survey No. 305/1A and 305/1B in Thrithala Village, Pattambi 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 project based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 5 years. After the due appraisal, the SEAC in its 151st 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, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of 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 ultimate depth of mining should be limited to 60 m and the mineable resources*

shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.

- 4. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
- 5. Considering the depth to water table, the depth of mining should be limited to 60 m AMSL.*
- 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. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*
- 8. The impact of vibration due to blasting on the houses and other built structures within 500m 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.*
- 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 half yearly compliance report (HYCR).*
- 10. Drainage water should be monitored 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. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
- 12. Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites.*

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. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
16. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.*
17. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
18. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
19. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
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.8

Environmental Clearance for the Granite Building Stone Quarry project of Sri. Kurian Jose for an area of 4.0425 ha at Sy. Nos. 340/1AS/75/6/2, 340/1A/S/75/6/3/2, 340/1A/S/75/6/9, 340/1A/S/75/6/10 in Kottappady Village, Kothamangalam Taluk, Ernakulam (SIA/KL/MIN/291267/2022, 2116/EC3/2022/SEIAA)

Sri. Kurian Jose submitted an application for Environmental Clearance for the Granite Building Stone Quarry project of Mr. Kurian Jose for an area of 4.0425 Ha at Sy. Nos. 340/1AS/75/6/2, 340/1A/S/75/6/3/2, 340/1A/S/75/6/9, 340/1A/S/75/6/10, Kottappady Village, Kothamangalam Taluk, Ernakulam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC appraised the project 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 12 years. After the due appraisal, the SEAC in its 151st meeting recommended EC for a Project Life of 12 years with certain Specific Conditions in addition to the General Conditions. On examination, the Authority observed the following:

1. In the PFR, Form IM and other documents, the project proponent discloses that

there is a *thodu* near around 400 m. But the field inspection report states that there is a bridge across the stream at 65 m North West of the project site. Therefore, the project proponent has hidden the fact in the application.

2. The ultimate depth after mining is 35 m above MSL and in the field inspection report it is stated that the stream bed level is at 55 m above MSL
3. Impact of comparatively high overburden thickness, which is up to 3m
4. Steep slope near N-E and N boundaries of project area (Near BP 10, BP 11 and BP 1, Near BP 8 and BP 7).

Hence, the Authority decided to refer back the proposal to SEAC to give a definite recommendation after relooking all the above aspects.

Item No.9 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Sekkeeb Pullanipuram for an area of 0.1942 Ha at Re-Sy No. 1/3A1 in Melmuri Village, Tirur Taluk, Malappuram. SIA/KL/MIN/405772/2022, 2181/EC6/2023/SEIAA

Sri. Sekkeeb Pullanipuram, Pullanippuram House, Marakkara Post, Kadampuzha Malappuram submitted an Environmental Clearance application through PARIVESH on 27.02.2023 for the Laterite Building Stone Quarry Project, for an area of 0.1942 Ha at Re-Survey No- 1/3A1 in Melmuri Village, Tirur 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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *The mining should be restricted to a maximum depth of 6 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
6. *The excavation activity should be restricted to 2m above the groundwater table at the site.*
7. *The excavation activity should not alter the natural drainage pattern of the area.*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*

15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
20. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent 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. *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.10

**Environmental Clearance for the Granite building Stone Quarry of Sri. Joseph Varkey, for an area of 0.9407 Ha at Block No. 70, Sy. Nos: 23/1, 23/2, in Poonjar Village, Meenachil Taluk, Kottayam
SIA/KL/MIN/407901/2022, 1812/EC3/2020/SEIAA**

Sri. Joseph Varkey submitted an Environmental Clearance application for the Granite Building Stone Quarry project on 20th January 2023, for an area of 0.9407 Ha at Block No: 70, Sy. Nos. 23/1, 23/2, in Poonjar Village, Meenachil Taluk, Kottayam.

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 project based on Form 2, 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, the mine life is 5 years. After the due appraisal, the SEAC in its 151st 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, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of 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 ultimate depth of mining should be limited to 65 m and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
- 4. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus*

bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.

5. *Water level of bunded water storage should be regulated during the working of the quarry and adequate care should be taken to drain the water without affecting the houses on the downward side*
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. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
8. *The impact of vibration due to blasting on the houses and other built structures within 500m 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.*
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 half yearly compliance report (HYCR).*
10. *Drainage water should be monitored 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. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR*
12. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*
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. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
16. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
17. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
18. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
19. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
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.11

Environmental Clearance for the Granite Building Stone Quarry of Sri. M. Aliyarkutty for an area of 3.3314 Ha at Block No. 26, Re-Survey Nos. 431/13, 431/11- 4pt, 431/5pt, 444pt (Govt. Land), 432/1pt (Govt. Land), 432/2, 432/4pt, 432/8pt, 445/2pt, 445/8pt, 445/15pt, 445/3-2pt & 445/9pt in Valakom Village, Kottarakkara Taluk, Kollam (SIA/KL/MIN/408193/2022, 2169/EC2/2022/SEIAA)

Sri. M. Aliyarkutty, M.S. House, Vakkanadu (PO), Kareepra, Kollam District submitted an Environmental Clearance application for the Granite Building Stone Quarry for an area of 3.3314 Ha at Block No.-26, Re-Survey Nos. 431/13, 431/11- 4pt, 431/5pt, 444pt (Govt. Land), 432/1pt (Govt. Land), 432/2, 432/4pt, 432/8pt, 445/2pt, 445/8pt, 445/15pt, 445/3-2pt & 445/9pt, in Valakom Village, Kottarakkara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC appraised the project 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 151st meeting recommended EC for a Project Life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority also observed that in obedience to the Judgment dated 30.3.2022 in WP (C) 2050/22 of the Hon'ble High Court, the District Collector, Kollam vide Order dated 14.7.2022 recommended SEIAA to consider the complaints of Sri. Ratheesh Kumar and Smt. Krishna A.R. while issuing the EC. Therefore, the Committee requested the SEIAA to hear the Complainants Sri. Ratheesh Kumar and Smt. Krishna A.R. prior to the issuance of EC.

The Authority decided to give an opportunity of hearing to the complainants Sri. Ratheesh Kumar and Smt. Krishna A.R in the next meeting. The intimation regarding the hearing shall be given to the complainants well in advance.

Item No.12 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Pradeep K., for an area of 0.3880 Ha at Block No. 109, Re-Survey No. 53/135 in Kandamkunnu Village, Thalassery Taluk, Kannur (SIA/KL/MIN/412267/2022, 2208/EC4/2023/SEIAA)

Sri. Pradeep K., Vrindavanam, Ayithara PO, Mambaram, Kannur submitted an Environmental Clearance application for the Laterite Building Stone Quarry project via Parivesh on 21st February, 2023, for an area of 0.3880 Ha at Block No:109, Re-Survey No. 53/135 in Kandamkunnu Village, Thalassery Taluk, Kannur.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 4 years. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 4 years, subject to certain Specific Conditions in addition to the General Conditions.

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

1. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and the 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 mining should be restricted to a maximum depth of 5 m below ground level, subject to limiting the depth 1 m above the lithomarge.*
4. *Proper benches should be provided at an interval of every 1.5 m.*
5. *The excavation activity should not involve blasting.*
6. *The excavation activity should be restricted to 2m above the groundwater table at the site.*
7. *The excavation activity should not alter the natural drainage pattern of the area*
8. *The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
9. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
10. *Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
11. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
12. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
13. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
14. *A minimum buffer distance of 50m from any civil structure should be kept from the periphery of the project area.*

15. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
16. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
17. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
18. *Measures incorporated in the CER should be implemented within 1 year from the date of EC.*
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. *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.*
22. *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.13

Environmental Clearance for Granite Building Stone Quarry of Sri. Pradeep Kumar S, Managing Partner, M/s RKP Minerals and Metals Private Ltd for an area of 0.4790 Ha at Block No.30, Re Survey Nos. 233/2-3-1, 233/2-5-1, 233/2-2, 233/6, 233/6- 1, 234/5, in Thekkada Village , Nedumangad Taluk, Thiruvananthapuram SIA/KL/MIN/414351/2023, 2210/EC1/2023/SEIAA

Sri. Pradeep Kumar S, Managing Partner, M/s RKP Minerals and Metals Private Ltd, Vilavilakathu Puthen Veedu, Keraladithyapuram, Powdikonam P.O., Thiruvananthapuram, submitted an Environmental Clearance application for the Granite Building Stone Quarry project on 03.02.2023 at Re Survey No. 233/2-3-1, 233/2-5-1, 233/2-2, 233/6, 233/6-1, 234/5, Block No. 30 in Thekkada Village, Nedumangad Taluk, Thiruvananthapuram.

The Authority perused the proposal and observed that considering the viability of mining in area less than 0.5 Ha, the SEAC in its 151st meeting recommended rejection of the proposal. The Authority in its 134th meeting also accepted the recommendation of the SEAC to ensure environmental safeguards and taken a decision that all the active / live applications with area 0.5 Ha or less received and pending for the appraisal by SEAC need not be appraised further. The Authority also examined the request of the project proponent dated 11.11.2023 requesting to reconsider the proposal.

In the above circumstance, the Authority decided to give an opportunity to the project proponent to present his averments before SEAC. Authority also decided to direct the SEAC to hear the project proponent and offer its recommendations accordingly.

Item No.14

Environmental Clearance for the Granite Building Stone Quarry of Sri. A. H. Sheriff for an area 1.8130 Ha at Survey Nos. 1087/1A2 in Mulavoor Village, Muvattupuzha Taluk, Ernakulam (SIA/KL/MIN/416051/2023, 2219/EC3/2023/SEIAA)

Sri. A. H Sheriff, Ettukattil House Edathala North P.O, Aluva, Ernakulam submitted an Environmental Clearance application for the Granite Building Stone Quarry project for an area 1.8130 Ha at Survey No. 1087/1A2 in Mulavoor Village, Muvattupuzha 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 project based on Form 2, 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, the mine life is 5 years. After the due appraisal, the SEAC in its 151st 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, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of 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 Environmental Clearance is permitted at the risk and cost of the project proponent with a condition that the buildings within 50m should not be used for residential purpose. The project proponent should submit an affidavit stating the above and that he/she will leave a 50m buffer from the crusher unit and the workshop building. The project proponent should also submit a drawing that shows the 50m buffer to the nearby built structure to SEIAA.*
- 4. The ultimate depth of mining should be limited to 50 m and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
- 5. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*

6. *Mining should be permitted only after leaving 50 m from the crusher unit and the workshop building*
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. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
9. *The impact of vibration due to blasting on the houses and other built structures within 500m 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.*
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 half yearly compliance report (HYCR).*
11. *Drainage water should be monitored 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. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR*
13. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*
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. *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).*
16. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*

17. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.*
18. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
19. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
20. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
21. *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.*
22. *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.*
23. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
24. *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.*
25. *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.

26. *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.*

27. *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. A. M. Chackochan, M/s Aishwarya Granites for an extent of 0.6803 Ha at Re-Sy. No. 121/2 part in Elamadu Village, Kottarakkara Taluk, Kollam.
(SIA/KL/MIN/422678/2023, 1675/EC2/2020/SEIAA)**

Sri. A. M. Chackochan, M/s Aishwarya Granites, Arkkannoor P.O, Elavinmoodu, Ayoor, Kollam submitted an Environmental Clearance application through PARIVESH portal on 13.04.2023 for an area of 0.6803 Ha at Re-Sy. No.121/2 part in Elamadu Village, Kottarakkara Taluk, Kollam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 3 years. After the due appraisal, the SEAC in its 151st meeting, recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

On verification, the Authority observed that the same project proponent has obtained several other Environmental Clearances within the Project region. Therefore,

the Authority is of the opinion that for environmental safeguards, the entire area needs to be considered as a single entity and by considering all the ECs, an Integrated EMP has to be prepared by the project proponent to treat the entire area as one unit. The SEAC may give final recommendation after appraising the Integrated EMP submitted by the project proponent.

**Item No.16 Environmental Clearance for the Building Stone Quarry project of Sri. Joseph Ulahannan Alias Joy Ulahannan, for an area of 0.9204 Ha at Sy. No. 109/2-1 in Lalam Village, Meenachil Taluk Kottayam.
[SIA/KL/MIN/423325/2023, 2281/EC3/2023/SEIAA]**

Sri. Joseph Ulahannan Alias Joy Ulahannan, Tharamangalath House, Ettumanoor P.O, Kottayam submitted an Environmental Clearance application for the Granite Building Stone Quarry project on 22nd May, 2023, for an area of 0.9204 Ha at Sy. No. 109/2-1 in Lalam Village, Meenachil Taluk of Kottayam.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 3 years. After the due appraisal, the SEAC in its 151st 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, subject to the following Specific Conditions in addition to the General Conditions.

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of 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 ultimate depth of mining should be limited to 90 m and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
4. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
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. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
7. *The impact of vibration due to blasting on the houses and other built structures within 500m 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.*
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 half yearly compliance report (HYCR).*
9. *Drainage water should be monitored 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. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR*
11. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*

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.*
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. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
15. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
16. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
17. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
18. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
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.17

**Environmental Clearance for Ordinary Clay Mining project of Sri. Abdul Latheef C. M. for an area of 0.1215 Ha, at Re Survey Block No. 29, Re Survey No. 642/40 in Kavasseri-1 Village, Alathur Taluk, Palakkad
SIA/KL/MIN/428820/2023, 2268/EC1/2023/SEIAA**

Sri. Abdul Latheef. C. M, Cheruparambil House Kunnukara Post Ernakulam submitted an Environmental Clearance application for the mining of Ordinary Clay on 11.05.2023 for an area of 0.1215 Ha at Re Survey Block No-29, Re Survey No-642/40 in Kavasseri-1 Village of Alathur 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 project based on Form 2, Pre-Feasibility Report, Mining Plan and the additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 151st meeting, recommended EC for the mine life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

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

- 1. The Project Proponent shall carry out quarrying as per the approved Mining Plan and the Project Proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The excavation activity should not involve blasting.*
- 4. The excavation activity should be restricted to 2m above the groundwater table at the site.*
- 5. The excavation activity should not alter the natural drainage pattern of the area.*
- 6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.*
- 7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
- 8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.*
- 9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.*
- 10. Workers/labourers should be provided with facilities for drinking water and sanitation.*
- 11. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.*
- 12. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.*

13. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
14. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
15. *The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
16. *Measures incorporated in the CER should be implemented within 6 months from the date of EC.*
17. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm)*
18. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent 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. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.*
20. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

PART -3

Item No.1 **Environmental Clearance for the Granite Building Stone Quarry of M/s. T. J. Granites Pvt. Ltd for an area of 2.0005 Ha at Re-Sy. Nos. 326/1-2, 326/1-3, 326/1-4, 326/1-5 & 326/1-7 in Bharanaganam Village, Meenachil Taluk, Kottayam (SIA/KL/MIN/142846/2020; 1713/EC3/2020/SEIAA)**

Sri. Jaison Jacob, M/s. T. J. Granites Pvt. Ltd., Ramapuram P.O Pala, Kottayam submitted an Environmental Clearance application via PARIVESH on 10.06.2020, for the Granite Building Stone Quarry project for an area of 2.0005 Ha at Re-Sy. Nos. 326/1-2, 326/1-3, 326/1-4, 326/1-5 & 326/1-7 in Bharanganam 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 appraised the project 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 9 years. After the due appraisal, the SEAC in its 136th meeting recommended EC for a Project Life of 9 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years. Authority 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 and then to extend the EC period to cover the project life of 9 years, from the date of execution of mine lease / permit, subject to the review by SEAC at the end of each 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 as per the Specific Conditions mentioned hereafter.*
2. *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 each 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
5. *This EC is valid till the District Level Crisis Management Group suspends or withdraws or cancels the NOC.*
6. *Road for the transportation of mined materials should be situated at a considerable distance from the tank constructed as per District Level Crisis Management Group's recommendation.*
7. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
8. *The mining should be limited up to 210m above MSL considering the terrain condition and slope.*
9. *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.*
10. *No trees in the buffer zone should be removed.*
11. *Buffer zones should be demarcated and additional trees, herbs and climbers should be planted with local plants as mentioned in the biodiversity assessment report.*

12. *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.*
13. *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.*
14. *The width of the Garland drain should be enlarged towards lower slopes to carry the entire overland flow.*
15. *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.*
16. *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.*
17. *CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented*
18. *The overburden dumping site should be located at the lower slope region and it should protected with gabion walls to prevent erosion.*
19. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
20. *The haulage road should be developed and maintained well and dust-free with sprinkling arrangement.*
21. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
22. *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*

23. *Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least, 40% of the energy requirement of the project should be met from the solar power.*
24. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.*
25. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
26. *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.*
27. *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.*
28. *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.*
29. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.2

Environmental Clearance for the Granite Building Stone Quarry of Sri. Muhammed Abdul Basheer for an area of 0.3171 Ha at Sy. Nos. 5/7, 6/1B1 in Pattithara Village, Pattambi Taluk, Palakkad SIA/KL/MIN/143579/2020, 1831/EC1/2020/SEIAA

Sri. C. P. Muhammed Abdul Basheer, Charupadikkal House, Thalakkasserri (P.O), Palakkad submitted an Environmental Clearance application via PARIVESH for the Granite Building Stone Quarry project for an area of 0.3171 Ha at Sy. No. 5/7, 6/1B1 in Pattithara Village, Pattambi 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 project based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 3 years. After the due appraisal, the SEAC in its 147th meeting, recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

By considering the recommendation of SEAC with regard to minimum area required for mining granite building stones in Kerala ensuring environmental safeguards, the Authority in its 134th meeting has taken certain decisions. Accordingly all those proposals recommended by SEAC to Authority may be referred back to SEAC for fresh consideration. SEAC may examine the possibilities of recommending only these few proposals as one time exemption with reduced benches and reduced quantity suggesting enough safeguards for protection of environment in the project region. SEAC still has the freedom to reject these proposal for valid reasons.

Hence, the Authority decided to refer back the proposal to SEAC for reappraisal in the light of the decision taken by SEIAA in its 134th meeting.

Item No.3

Environmental Clearance for the Building Stone Quarry project of Sri. Rajan Thomas, for an area of 4.9231 Ha at Re-Sy Nos. 205/3, 205/5, 199/3, 199/8, 199/7, 199/7-1, 199/9, 199/6- 1, 198/1, 198/2, 197/1, 198/5, 198/5-6, 198/4, 207/1, 198/3, 206/2, 206, 206/4, 206/1,

**206/3 in Kanjirappally Village & Panchayat, Kanjirappally Taluk,
Kottayam**
(SIA/KL/MIN/164009/2020, 1372/EC2/2019/SEIAA)

Sri. Rajan Thomas, Maliyekkal House, Aruvithura P.O., Thidanad, Kottayam submitted an Environmental Clearance application for the Building Stone Quarry project on 03rd November, 2020, for an area of 4.9231 Ha at Re-Survey Nos. 205/3, 205/5, 199/3, 199/8, 199/7, 199/7-1, 199/9, 199/6- 1, 198/1, 198/2, 197/1, 198/5, 198/5-6, 198/4, 207/1, 198/3, 206/2, 206, 206/4, 206/1, 206/3 in Kanjirappally Village & Panchayat, Kanjirappally Taluk, Kottayam.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC appraised the project 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 151st meeting recommended EC for a Project Life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority observed that the SEAC in its 131st meeting directed the project proponent to submit clarifications /documents / reports on certain aspects with respect to ToR, as the project proponent failed to attend many of the aspects of the ToR. Even though the project proponent submitted his clarifications on 30.07.2023, the EIA report has not been modified accordingly. Besides, the findings of the additional study and the mitigation measures for the same have not been incorporated in the recommendation of the SEAC.

Further, though it is mentioned that TOR conditions are complied, a careful reading of report of SEAC member, itself reveals that many of the conditions are not complied. Hence SEAC may consider presentation of modified EIA report in relation to TOR, including additional mitigation measures to protect the environment. In addition, the vibration study conducted by NIT Suratkal also has made some recommendations, which is not reflected in the final recommendation. Further there is a complaint by Sri Raju. R. Kadakkayam Valiyaveedu President, Sree Mahakalipara Devaswom, Thampalakkadu PO, Kottayam on the functioning of the quarry.

In the above circumstances, the Authority decided to refer the proposal to SEAC for a fresh recommendation considering revised EIA report, vibration study report by NIT, Suratkal and after hearing the Complainant.

Item No.4 Environment Clearance for Granite Building Stone Quarry of Sri. Udayan S., for an area of 0.4445 Ha in Survey Nos. 41/6-2, 41/7pt, 41/8pt, 41/9-3, 41/9-4-1 & 41/9-4-1-2 in Velinalloor Village, Kottarakara Taluk, Kollam (SIA/KL/MIN/165802/2020, 2191/EC2/2023/SEIAA)

Sri. Udayan S, 5/221, Navami Kayila, Mylode, Kollam submitted an Environmental Clearance application on 30.12.22 for the Granite Building Stone Quarry project at Survey Nos. 41/6-2, 41/7pt , 41/8pt, 41/9-3, 41/9-4-1 & 41/9-4-1-2 in Velinalloor 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 project based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 147th meeting, recommended EC with the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

By considering the recommendation of SEAC with regard to minimum area required for mining granite building stones in Kerala ensuring environmental safeguards, the Authority in its 134th meeting has taken certain decisions. Accordingly all those proposals recommended by SEAC to Authority may be referred back to SEAC for fresh consideration. SEAC may examine the possibilities of recommending only these few proposals as one time exemption with reduced benches and reduced quantity suggesting enough safeguards for protection of environment in the project region. SEAC still has the freedom to reject these proposal for valid reasons.

Hence, the Authority decided to refer back the proposal to SEAC for reappraisal in the light of the decision taken by SEIAA in its 134th meeting.

Item No.5

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Raphy John Managing Partner, Hilltop Aggregates for an area of 2.3611 Ha at Survey No. 381/6, 381/59, 381/64, 381/66 in Kanambra1 Village, Alathur Taluk, Palakkad
SIA/KL/MIN/274473/2022, 2075/EC1/2022/SEIAA**

Sri. Raphy John, Managing Partner, Hilltop Aggregates, Puthusseripady (H), Trikkur Road, Konnikkara P O, Thrissur submitted an Environmental Clearance application on 05.08.2022 for the Granite Building Stone Quarry for an area of 2.3611 Ha at Survey No. 381/6, 381/59, 381/64, 381/66, in Kanambra 1 Village, Alathur Taluk, Palakkad.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted that the SEAC appraised the project 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 12 years. After the due appraisal, the SEAC in its 151st 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 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 each 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 as per the Specific Conditions mentioned hereafter and the Project Proponent*

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

- 2. The EC shall be valid from the date of execution of 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 each 5 years through field verification to ensure that mining is carried out sustainably as per the EC conditions.*
- 4. Considering the depth to water table, the depth of mining should be limited to 60m above MSL instead of the proposed 40m above MSL and the mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
- 5. The Project Proponent has to comply OM dated 17-05-2022 of MoEF&CC if the project area falls within 10 km radius of Wild Life Sanctuary as per the directions contained in the Honourable Supreme Court Judgement dated 26.4.2023 in IA 13177 of 2022.*
- 6. Since, the project is located within 10 km of Peechi Vazhani Wildlife Sanctuary, the Project Proponent has to obtain Wildlife Clearance from the SCNBWL as per the OM dated 17.05.2022 of MoEF&CC as per the directions in the Hon'ble Supreme Court Judgement dated 26.04.2023 in IA 13177 of 2022 before the commencement of mining.*
- 7. Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
- 8. Copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief Wildlife Warden, Kerala, SEAC, District Collector, Thrissur and Department of Industries GoK, besides others for information and necessary further action.*

9. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
10. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
11. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
12. *The impact of vibration due to blasting on the houses and other built structures within 500m 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.*
13. *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 half yearly compliance report (HYCR).*
14. *Drainage water should be monitored 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.*
15. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR*
16. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*
17. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
18. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*

19. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
20. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement should be met from solar power*
21. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
22. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
23. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
24. *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.*
25. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
26. *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.*
27. *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.

28. *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.*

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

Item No.6 Environment Clearance for the Granite Building Stone Quarry Project of Sri. Rejish Abraham, M/s Alphonsa Granites for an area of 0.7879 Ha at Sy. No. 127pt in Thrikkur Village, Mukundapuram Taluk, Thrissur SIA/KL/MIN/35199/2019, 1461/EC2/2019/SEIAA

Sri. Rejish Abraham, Managing Partner, M/s Alphonsa Granites, Room No – 13/188, Opposite LF Church, Poomala (PO), Thrissur submitted an Environmental Clearance application through PARIVESH on 24.04.2019 for the Granite Building Stone Quarry Project for an area of 0.7879 Ha at Sy. No. 127 pt in Thrikkur Village, Mukundapuram Taluk, Thrissur.

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 project based on Form 2, 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, the mine life is 3 years. After the due appraisal, the SEAC in its 151st 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, 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 as per the Specific Conditions mentioned hereafter.*
2. *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 Project Proponent has to comply OM dated 17-05-2022 of MoEF&CC if the project area falls within 10 km radius of Wild Life Sanctuary as per the directions contained in the Honourable Supreme Court Judgement dated 26.4.2023 in IA 13177 of 2022.*
5. *Since, the project is located within 10 km of Peechi Vazhani Wildlife Sanctuary, the Project Proponent has to obtain Wildlife Clearance from the SCNBWL as per the OM dated 17.05.2022 of MoEF&CC as per the directions in the Hon'ble Supreme Court Judgement dated 26.04.2023 in IA 13177 of 2022 before the commencement of mining.*
6. *Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.*
7. *Copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief Wildlife Warden, Kerala, SEAC, District Collector, Thrissur and Department of Industries GoK, besides others for information and necessary further action.*
8. *The ultimate depth of mining should be above local ground water table.*

9. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala), Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
10. *Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.*
11. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
12. *The impact of vibration due to blasting on the houses and other built structures within 500m 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.*
13. *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 half yearly compliance report (HYCR).*
14. *Drainage water should be monitored 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.*
15. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR*
16. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*
17. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
18. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*

19. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
20. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
21. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
22. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
23. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
24. *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.*
25. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust. 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.*
26. *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.

27. 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.

28. 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. K. M. Salim for an area of 0.3840 Ha at Sy. No. 202(P) in Killimangalam Village, Thalappilly Taluk, Thrissur (SIA/KL/MIN/40868/2019, 1447/EC2/2019/SEIAA)

Sri. K. M. Salim, Kalapurakkal House, Killimangalam Post, Thrissur, submitted an Environmental Clearance application through PARIVESH on 09.08.2019 for the Granite Building Stone Quarry Project for an area of 0.3840 Ha at Sy.No. 202 (P) in Killimangalam Village, Thalappilly Taluk, Thrissur.

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 project based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 2 year. After the due appraisal, the SEAC in its 143rd meeting, recommended EC with the project life of 2 year, subject to certain Specific Conditions in addition to the General Conditions.

By considering the recommendation of SEAC with regard to minimum area required for mining granite building stones in Kerala ensuring environmental safeguards, the Authority in its 134th meeting has taken certain decisions. Accordingly all those proposals recommended by SEAC to Authority may be referred back to SEAC for fresh consideration.

SEAC may examine the possibilities of recommending only these few proposals as one time exemption with reduced benches and reduced quantity suggesting enough safeguards for protection of environment in the project region. SEAC still has the freedom to reject these proposal for valid reasons.

Hence, the Authority decided to refer back the proposal to SEAC for reappraisal in the light of the decision taken by SEIAA in its 134th meeting.

Item No. 8 Environmental Clearance for the Building Stone Quarry project of Sri. Asokan N for an area 0.2448 Ha at Sy. Nos. 7/1 part & 7/20 part in Veliyam Village, Kottarakara Taluk, Kollam. [SIA/KL/MIN/43206/2019, 1489/EC2/2019/SEIAA]

Sri. Asokan N, 1st Floor, Olippil Complex, Kottiyam, Kollam, Kollam submitted an Environmental Clearance application *via* PARIVESH Portal on 19.11.2019, for the Granite Building Stone Quarry project, for an area of 0.2448 Ha in Sy. Nos. 7/1 part & 7/20 part, of Veliyam 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 project based on Form 2, Pre-Feasibility Report, Mining Plan and additional details/documents obtained from the Project Proponent during appraisal. As per the approved mining plan, the mine life is 1 year. After the due appraisal, the SEAC in its 136th meeting, recommended EC with the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

By considering the recommendation of SEAC with regard to minimum area required for mining granite building stones in Kerala ensuring environmental safeguards, the Authority in its 134th meeting has taken certain decisions. Accordingly all those proposals recommended by SEAC to Authority may be referred back to SEAC for fresh consideration. SEAC may examine the possibilities of recommending only these few proposals as one time exemption with reduced benches and reduced quantity suggesting enough safeguards for protection of environment in the project region. SEAC still has the freedom to reject these proposal for valid reasons.

Hence, the Authority decided to refer back the proposal to SEAC for reappraisal in the light of the decision taken by SEIAA in its 134th meeting.

Item No.9

**Environmental Clearance for the Granite Building Stone Quarry of Sri. K. M. Stephen at Block No. 27 (Re-Sy. Block no. 37) Re-Sy. Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1, in Karimannur Village, Thodupuzha Taluk, Idukki - WP(C) No. No. 36171 of 2022 & WP(C) No. 20030 of 2023 filed by Sri. Vincent K. George, WP(C) No. 25442 of 2023 filed by Sri. Johny Ulahannan & WP (C) No.26634/2023 filed by Sri. K. M. Stephen
(SIA/KL/MIN/405925/2022; 1527/EC1/2019/SEIAA)**

Sri. K. M. Stephen, Kaniyarkuzhiyil, Karimkunnam P.O, Idukki submitted an Environmental Clearance application *via* PARIVESH on 20.11.2019 for the Granite Building Stone Quarry for an area of 4.9003 Ha (12.1086 Acres) at Block No. 27, (Re-Sy. Block No. 37) Re-Sy. Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1, in Karimannur Village, Thodupuzha Taluk, Idukki, Kerala.

The Authority noticed that the SEAC had appraised the project based on Form 2, Pre-Feasibility Report, Mining Plan, additional details/documents obtained from the Project Proponent during appraisal, and the Filed Inspection Report. As directed by the Hon'ble High Court in WP(C) No. 36171 of 2022, the SEAC heard the complainant, Sri. Vincent K. George and project proponent in its 140th meeting held on 13th to 15th March 2023 and sought detailed hearing note from both parties within 2 weeks.

The project proponent submitted a detailed hearing note on 11.04.2023 answering the allegation of the complainants. The complainant, Sri. Vincent K. George has not submitted the hearing note even after the prescribed time period. The District Collector vide Letter dated 27.03.2023 stated that the water tank is at a distance of 2.5 km. After the due appraisal, the SEAC in its 135th and 143rd meeting, recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

In the meantime, Sri. Johny Ulahannan, another complainant filed WP(C) No. 25442 of 2023 before the Hon'ble High Court with a prayer to give a chance of hearing before taking a decision. Authority sought a legal opinion from the Standing Counsel. The Authority heard the project proponent and the complainant Sri. Johny Ulahannan in the 134th meeting held on 13th & 14th November 2023 and sought a detailed hearing note from both the parties to substantiate their claims.

The Authority examined the hearing notes vide dated 20.11.2023 and 18.11.2023 submitted by the project proponent and the complainant respectively. Authority noticed that the Sri. Vincent K. George has not yet submitted the hearing note as directed by the SEAC in its 140th meeting. The Standing Counsel vide its email dated 01.11.2023 opined that since, the petitioner in WP (C) 25441/23 has been afforded with an opportunity of hearing, there is no legal impediment for SEIAA in further proceedings with the application submitted by Sri. K. M. Stephen for grant of EC.

In the above circumstances, the Authority decided to issue Environmental Clearance for the project life of 5 (five) years, subject to the following Specific Conditions in addition to the General Conditions.

1. *The validity of Environmental Clearance is subject to the final verdict of the Hon'ble High Court in WP(C) No. No. 36171 of 2022 & WP(C) No. 20030 of 2023 filed by Sri. Vincent K. George, WP(C) No. 25442 of 2023 filed by Sri. Johny Ulahannan & WP (C) No.26634/2023 filed by Sri. K. M. Stephen.*
2. *The Project Proponent shall carry out quarrying as per the approved Mining Plan and as per the Specific Conditions mentioned hereafter.*
3. *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. *Minimum 50m buffer area or the safe distance for mining should be clearly provided from the house Sri Johny Ulahannan before the commencement of mining and sketches of the same shall be submitted to the Authority.*

6. *The mining should be limited to the depth of 95m above MSL, considering the depth to water table reported as 90m above MSL. The mineable resources shall be reworked accordingly by the Mining and Geology Department while approving the Scheme of Mining / issuing the lease or permit.*
7. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
8. *Blasting should be conducted with a maximum of 30 holes in a blast round using 32mm diameter blast holes drilled with handheld Jack hammer drill to a maximum depth of 1.5m and each hole charged with a maximum of 250gm of explosive.*
9. *NONEL based shock-tube detonators should be used for initiation so as to have hole to hole delay of 17ms and 25ms and accordingly row to row delay of 25ms or 42ms.*
10. *Adequate muffling arrangements should be made to restrict fly rocks within 10m.*
11. *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.*
12. *The garland canal, silt traps, siltation pond and outflow channel covering the entire project area should be provided with immediate effect. The outflow channel should be connected to the nearest natural drain.*
13. *The siltation pond should be set up at the bottom portion of the site so as to prevent outflow of turbid water.*
14. *The proponent should periodically clean and maintain the garland canal, silt traps, outflow channel and connected drains and geo-tagged photographs of the activity should be submitted along with Half Yearly Compliance Reports.*
15. *The garland canal, catch water drains, silt traps, water holding and clarifier pond and outflow channel should be cleaned and desilted periodically and geo-tagged*

- photographs of the process should be included in the Half Yearly Compliance Report.*
- 16. Overburden dumping site should be provided with protective walls in the lower slope portion of the project area and overburden dump should be protected with retention wall of appropriate height.*
 - 17. Planting of trees of local species on both sides of the road within the project site should be completed prior to commencement regular mining.*
 - 18. The green belt should be developed and nurtured on a regular basis and the status of the green belt should be uploaded along with geo-tagged photographs in the HYCR*
 - 19. Compensatory afforestation should be done with indigenous species of trees as mentioned in the biodiversity in the land earmarked for the purpose. The geo-tagged photographs of the compensatory afforestation site should be uploaded along with the HYCR.*
 - 20. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR*
 - 21. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).*
 - 22. Adequate sanitation, waste management and rest room facilities should be provided to the workers*
 - 23. The overburden material should be stored at the designed place and the height of the retaining wall should be raised appropriately for protecting the overburden stock.*
 - 24. It is desirable to erect a temporary barrier with light roofing material covering the boundary of the project area connecting Boundary Pillar No. 5, 4, 3, 2, 1, 21, 20, 19, 18, 17 and 16.*
 - 25. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office. At least, 40% of the energy requirement of the project should be met from the solar power.*
 - 26. Adequate measures should be adopted to harvest the rainwater as per the guidelines*

issued by the Central Groundwater Authority.

- 27. Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
- 28. 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.*
- 29. 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.*
- 30. 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.*
- 31. 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 EC for the Granite Building Stone Quarry Project of Sri. Sivasankaran P. for an area of 2.9103 Ha at Sy Nos. 318/1/1, 318/1/2, 318/3 pt, 318/4, 319 pt in Thiruvalli Village, Nilambur Taluk, Malappuram (SIA/KL/MIN/252208/2022, 857/SEIAA/EC1/2981/2015)**

Sri. Sivasankaran P. S/o Kunhiraman Nair, Pothalakkal House, Naduvath P.O, Wandoor, Malappuram submitted an extension of Environmental Clearance application through PARIVESH on 22.01.2022 for the Granite Building Stone Quarry Project for an area of 2.9103 Ha at Sy Nos. 318/1/1, 318/1/2, 318/3 pt, 318/4, 319 pt in Thiruvalli Village, Nilambur Taluk, Malappuram.

The Authority noticed that the SEAC in its 151st meeting discussed the field inspection report conducted on 30.07.2023 and noted serious violation of the following EC conditions:

1. There are 3-4 abandoned quarries near the present project site and mining was undertaken unscientifically in all these sites. The flanks are steeply sloping to sub vertical level and quarrying was done without any bench formation. The worked-out areas with very steep cliff-like features do not have fencing and are not demarcated as danger zones with sign boards.
2. The proponent, as part of the EC issued the site earlier, agreed to remove top soil and mine waste during the operation, and the same will be stocked at pre-determined place and subsequently used for plantation and back filling of mine pits. This was not done and as a result, several meters of thick overburden is seen interspersed with cut out rocks throughout the quarry site.
3. The entire storm water from the quarry pit is let out without clarification to nearby areas. The recently built silt traps are non-functional due to unscientific construction. A higher extent of sheet erosion is noticed in the project site. The non compliance of this EC condition has resulted in severe water and soil pollution in the Project region.

Based on discussions, the SEAC recommended to SEIAA for issuing Stop Memo urgently. The project proponent may also be directed to rectify the following non-compliance of EC conditions and submit a compliance report within 3 months.

1. The boundary pillars are to be firmly fixed and geo tagged photos of the same have to be submitted.
2. Benches in the mined-out areas are to be corrected and proof of the same has to be submitted.
3. Overburden, topsoil and mine waste dump should be stalked in areas as specified in the mine plan and should be protected with gabion wall.
4. Garland drains are to be provided for the entire mine site and scientifically constructed silt traps have to be provided for the entire mine area (the present silt traps constructed is not functional).
5. The green belt should be developed all along the buffer zone with indigenous species and a report with regard to the afforestation activities undertaken has to be submitted along with geo-tagged photographs.
6. Certified report from the Mining & Geology Department regarding balance mineable resource available for the area for which the EC was issued.
7. Proof of fencing done and sign boards fixed along the worked-out areas (old quarry) with very steep cliff-like features.
8. A Comprehensive Environmental Management Plan incorporating appropriate mitigation measures to overcome the environmental issues should be prepared and submitted to the Authority.

In the above circumstances, the Authority decided the following:

- a. **To direct the project proponent to comply all the observations made by SEAC within 3 months and submit a compliance report. Otherwise, the**

Environmental Clearance will be cancelled at the project proponent's risk and cost and his application for extension of EC will not be considered.

- b. Submit a revised statement of facts on priority to defend the WP(C) No. 34223/2022 incorporating the observation of SEAC and decision of the Authority.**
- c. The SEIAA Secretariat should place this item before the Authority in the next SEIAA meeting, with all necessary documents, interim orders, if any and the present status of the WP(C).**

Item No.2 Renewal of Environment Clearance for the Granite Building Stone project of Sri. Binil K John, Managing Partner, M/s Valluvanad Granites for an area of 4.8120 Ha at Survey Nos. 2/2 & 5/2 in Lakkidi-Perur I Village, Ottapalam Taluk, Palakkad SIA/KL/MIN/162964/2020, 125/SEIAA/KL/2335/2013

Sri. Binil K John, Managing Partner, M/s Valluvanad Granites, Nellikurissi, Mulanjoor P.O., Ottapalam submitted application on 11.08.2020 for renewal of Environmental Clearance for the Granite Building Stone Quarry for an area of 4.8120Ha at Survey Nos. 2/2 & 5/2 in Lakkidi-Perur I Village , Ottapalam Taluk, Palakkad.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noticed that after the due appraisal, the SEAC in its 146th meeting recommended extension of EC for the remaining period of 3 years subject to certain Specific Conditions in addition to the General Conditions. The Authority in its 130th meeting noted that the District Collector, vide letter dated 22.12.2021 forwarded a report of Ottappalam Sub Collector regarding the functioning of the quarry and refer back the proposal to SEAC for detailed scrutiny. Accordingly the SEAC in its 151st meeting suggested certain additional mitigative measures with respect to the report of the Sub Collector.

The Authority decided to issue extension of Environmental Clearance for the remaining period of 3 years subject to following Specific Conditions in addition to the General Conditions.

- 1. Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli),*

Syzygium cumini (Njaval), *Writia tinctoria* (Dhanthapala) , *Ficus bengalensis* (Peral), *Ficus racemosa* (Atti), *Bambusa bamboos* (Mullumula), *Dendrocalamus strictus* (Kallan mula), *Strychnos nuxvomica* (Kanjiram), *Terminalia cattappa* (Thanni), *Schleicher oleosa* (Poovam), *Artocarpus hirsutus* (Ayiniplavu) etc.

2. *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.*
3. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration.*
4. *The impact of vibration due to blasting on the houses and other built structures within 500m 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 (HYCR).*
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. *Drainage water should be monitored 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.*
7. *Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR.*
8. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites.*
9. *CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.*
10. *Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).*
11. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*

12. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power.*
13. *Adequate measures should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
14. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
15. *Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
16. *Blasting mats should be used during rock blasting to contain the blast, prevent fly rocks and suppress dust.*
17. *Temporary wall of height 5m should be erected at the boundary pillars wherever there are building within 200m.*
18. *Constitute a monitoring committee comprising representative of local residents, Local ward member, PP and Mining Engineer to monitor the implementation of the EC conditions and blasting.*
19. *The project proponent should submit a Compliance report within 6 months after adopting all the above specific conditions and SEAC shall verify the compliance.*
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.3 Environmental Clearance for the Granite Building Stone Mining Project of M/s K Lekshmanan Infrastructure and Industries Pvt. Ltd for an area of 0.9812 Ha in Sy Nos. 222/4, 222/5, 222/28, 222/14, 229/1- 2, 229/15, 229/15-2-1, 229/15-2-2 (Pvt Land) and 222/13, 222/21, 222/23, 222/24 (Govt Land) in Chadayamangalam Village, Kottarakkara, Taluk, Kollam (SIA/KL/MIN/303257/2023, 1730/EC2/2020/SEIAA)

M/s K Lekshmanan Infrastructure and Industries Pvt Ltd submitted an application for Environmental Clearance for the Granite Stone Mining Project for an area of 0.9812 Ha in Survey Nos. 222/4, 222/5, 222/28, 222/14, 229/1- 2, 229/15, 229/15-2-1, 229/15-2-2 (Pvt Land) and 222/13, 222/21, 222/23, 222/24 (Govt Land) in Chadayamangalam Village, Kottarakkara, Taluk, Kollam.

The Authority perused the item and noticed that after the due appraisal, the SEAC in its 127th meeting, recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions. The Authority in its 118th meeting observed that the Mining Plan is approved only for 1 (one) year and hence Environmental Clearance (No.177/Q/2022) dated 07.11.2022 was issued to the project for one year. Now the project proponent submitted a new proposal with a revised Mining Plan approved on 27.07.2023 for 3 years. The Committee in its 151st meeting held on 16th to 18th October 2023 recommended modification of EC to the mine life of 3 years subject to certain specific conditions in addition to the general condition.

The Authority decided to issue modification of Environmental Clearance for the project life of 3 (three) years, 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 as per the Specific Conditions mentioned hereafter.*

2. *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. *Development of green belt should be initiated prior to the commencement of mining using indigenous species. The suggested species are Phyllanthus emblica (Nelli), Syzygium cumini (Njaval), Writia tinctoria (Dhanthapala) , Ficus bengalensis (Peral), Ficus racemosa (Atti), Bambusa bamboos (Mullumula), Dendrocalamus strictus (Kallan mula), Strychnos nuxvomica (Kanjiram), Terminalia cattappa (Thanni), Schleicher oleosa (Poovam), Artocarpus hirsutus (Ayiniplavu) etc.*
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. *Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration*
7. *The impact of vibration due to blasting on the houses and other built structures within 500m 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.*
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 half yearly compliance report (HYCR).*
9. *Drainage water should be monitored 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. *167 trees are proposed to be cut for quarrying operation. The area mostly has exposed rock, so compensatory afforestation should be done during the 1st year itself and geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR*

11. *Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites*
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.*
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. *Adequate sanitation, waste management and rest room facilities should be provided to the workers.*
15. *Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power*
16. *Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.*
17. *Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.*
18. *The access road should be developed to ensure hindrance-free road transportation and adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.*
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 OF TOR PROPOSALS

Item No.1

**Terms of Reference for the Granite Building Stone Quarry of M/s. Travancore Granites for an area of 4.9101 Ha at Sy Nos. 442/2pt, 442/3pt, 442/4pt & 452/2-2pt in Valakom Village, Kottarakkara Taluk, Kollam.
(SIA/KL/MIN/444411/2023, 2388/EC1/2023/SEIAA)**

M/s. Travancore Granites, Building No. II/326, Ummannoor, Kampamcode, Vayakkal PO, Kottarakkara submitted ToR application for the Granite Building Stone Quarry for an area of 4.9101 Ha at Sy Nos. 442/2pt, 442/3pt, 442/4pt & 452/2-2pt in Valakom Village, Kottarakkara Taluk, Kollam.

The Authority noted that SEAC in its 151st meeting recommended the Standard ToR with certain additional studies. The Authority noticed that as per the Cluster Certificate dated 30.12.2022 there are two other quarries within the radius of 500m and altogether having an area of 9.2262 Ha.

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

- 1. The management plan for the water storage at 20m depth, near the proposed project.*
- 2. Details of the proposed water sources for the project including the yield characteristics and source sustainability*
- 3. Hydrological and hydrogeological characteristics of the area and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.*
- 4. 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.*

Item No.2

Terms of Reference for the Granite Building Stone Quarry of Sri. Prakash N for an area of 2.7123 Ha at Re-Sy Block No. 49, Re-Sy No: 229 in Vandazhi I Village, Alathur Taluk, Palakkad (SIA/KL/MIN/443257/2023, 2382/EC3/2023/SEIAA)

Sri. Prakash N, Prakash Nivas, Mudappallur P.O, Alathur, Palakkad submitted ToR application on 07.09.23 for the Granite Building Stone Quarry, for an area of 2.7123 Ha at Re-Sy Block No. 49, Re-Sy No: 229 in Vandazhi I Village, Alathur Taluk, Palakkad, Kerala.

The Authority noted that SEAC in its 151st meeting recommended the Standard ToR with certain additional studies. The Authority noticed that as per the Cluster Certificate dated 21.07.2023 there are three other quarries within the radius of 500m and altogether having an area of 12.562 Ha.

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

- 1. Traffic management study.*
- 2. Details of the proposed water sources for the project including the yield characteristics and source sustainability.*

3. *Hydrological and hydrogeological characteristics of the area and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.*
4. *Post mine water harvesting potential of the site and its utilization potential as well as management plan.*
5. *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.*

Item No.3 **Terms of Reference for the Granite Building Stone Quarry project of Sri. Shiju Thomas for an area of 2.6261 Ha at Sy Nos. 17/1, 17/2-1pt, 17/2-2pt, 17/3pt & 17/3-1pt in Karimannoor Village, Thodupuzha Taluk, Idukki
SIA/KL/MIN/444645/2023, 2397/EC2/2023/SEIAA**

Sri. Shiju Thomas, Pallivathukkal House, Chilavu PO, Idukki submitted ToR application on 27.09.2023 for the Granite Building Stone Quarry project for an area of 2.6261 Ha at Sy Nos. 17/1, 17/2-1pt, 17/2-2pt, 17/3pt & 17/3-1pt in Karimannoor Village, Thodupuzha Taluk, Idukki

The Authority noted that SEAC in its 151st meeting recommended the Standard ToR with certain additional studies. The Authority noticed that as per the Cluster Certificate dated 01.09.2023 there is another quarry within the radius of 500m and altogether having an area of 10.0851 Ha.

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

1. *Hydrological and hydrogeological characteristics of the site and surrounding areas and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.*
2. *Evaluate of the possibility of landslide risk associated with the site and surrounding areas.*

3. *Details of the proposed water sources for the project including the yield characteristics and source sustainability*
4. *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.*

Item No.4 **Terms of Reference for the Granite Building Stone Quarry Project of Sri. Babu Nayem for an area of 2.9926 at Re-Sy. Nos. 1012/56, 1012/27 in Melmuri Village, Ernad Taluk, Malappuram SIA/KL/MIN/437072/2023, 2399/EC1/2023/SEIAA**

Sri. Babu Nayem, Moothedath, Morayur, Mongam PO, Malappuram submitted the ToR application for the Granite Building Stone Quarry Project for an area of 2.9926 at Re-Sy. Nos. 1012/56, 1012/27 in Melmuri Village, Ernad Taluk, Malappuram.

The Authority noted that SEAC in its 151st meeting recommended the Standard ToR with certain additional studies. The Authority noticed that as per the Cluster Certificate dated 20.05.2023 there are four other quarries within the radius of 500m and altogether having an area of 14.2145 Ha.

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

1. *Landslide susceptibility of the proposed site and surrounding areas.*
2. *Hydrological and hydrogeological characteristics of the area and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.*
3. *Details of the proposed water sources for the project including the yield characteristics and source sustainability*
4. *Suggestions for avoiding the impact of the project on the nearby Arts & Science College and its functioning*

5. *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.*

Item No.5 **Terms of Reference for the Granite Building Stone Quarry Project of Sri. Prince George for an area of 0.4046 Ha at Survey Nos. 391/5/7/19 in Varappetty Village, Kothamangalam Taluk, Ernakulam.**
(SIA/KL/MIN/441983/2023, 2387/EC1/2023/SEIAA)

Sri. Prince George, Parickal House Varappetty P.O, Ernakulam submitted a ToR application for the Granite Building Stone Quarry Project for an area of 0.4046 Ha at Survey No.391/5/7/19 in Varappetty Village, Kothamangalam Taluk, Ernakulam.

The Authority noted that SEAC in its 151st meeting examined the environmental feasibility of mining of granite building stones in a lease area of 0.5 Ha or less and found that it is difficult to ensure required environmental safeguards for mining in such small areas. In other words, if mining is permitted in a lease of 0.5 Ha or less, the stipulated environmental safeguards may be compromised to make the project viable. For ensuring environmental safeguards, the Authority in its 134th meeting, agreed to the decision of SEAC regarding the minimum area required for mining granite building stones in Kerala and had taken a decision that all the active / live applications with area 0.5 Ha or less received and pending for the appraisal by SEAC need not be appraised further as per the Clause 3 (3) of Environmental Protection Act 1986.

Considering the detailed report approved by the SEAC regarding the viability of mining in area less than 0.5 Ha, the Committee recommended rejection of the ToR proposal. The Authority perused the proposal and noted the request dated 21.11.2023 of the project proponent and **decided to reject the application since the area is less than 0.5 Ha, as recommended by SEAC.**

Item No.6 **Terms of Reference for the Development of additional RESA and augmentation of CNS facilities at Calicut Airport submitted by Airports Authority of India.**
(SIA/KL/INFRA2/440755/2023, 2370/EC1/2023/SEIAA)

Application for ToR submitted by Airports Authority of India for the development of additional RESA on either end of Runway 10-28 and relocation and augmentation of CNS facilities (Construction of embankment with slope protection, drainage system and associated works for additional RESA on either end on Runway 10-28) at Calicut Airport.

The Authority observed that SEAC in its 151st meeting found that the initial EC for the project was given EC by MoEF in 2015. The present proposal is for the modification and modernization of the existing EC. Accordingly, the Committee recommended Standard ToR for the EIA study.

The Authority decided to approve the Standard Terms of Reference under Category 7(a) “Airports” for EIA Study.

Item No.7 Terms of Reference for the proposed Granite Building Stone Quarry of Sri. K.I. Arumughan, Managing Director, M/s. Marath Enterprises & Crushers Pvt. Ltd for an area of 4.1030 Ha at Re Survey No. 197/5, 197/6, 197/2, 369/1-2, 194/11-1, 194/4, 194/11, 194/14-2, 194/12, 194/10-1, 194/13, 369/1-1 in Koppam Village, Pattambi Taluk, Palakkad (SIA/KL/MIN/443641/2023, 2379/EC2/2023/SEIAA)

Sri. K.I. Arumughan, Managing Director, M/s. Marath Enterprises & Crushers Pvt. Ltd, Koppam Village, Pattambi Taluk, Amayur P.O, Palakkad submitted the ToR application on 09.09.2023 for the Granite Building Stone Quarry for an area of 4.1030 Ha at Re Survey No. 197/5, 197/6, 197/2, 369/1-2, 194/11-1, 194/4, 194/11, 194/14-2, 194/12, 194/10-1, 194/13, 369/1-1 in Koppam Village, Pattambi Taluk, Palakkad, Kerala

The Authority noted that SEAC in its 151st meeting recommended the Standard ToR with certain additional studies. The Authority noticed that as per the Cluster Certificate dated 03.08.2023 there is another quarry within the radius of 500m and altogether having an area of 6.5953 Ha.

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

1. *Study on the particulate matter by providing an additional 16 monitoring stations within the stipulated impact zone.*
2. *Comprehensive drainage plan considering all the quarries within 500m radius.*
3. *Details of the proposed water sources for the project including the yield characteristics and source sustainability.*
4. *Hydrological and hydrogeological characteristics of the area and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.*
5. *Post mine water harvesting potential of the site and its utilization potential as well as management plan.*
6. *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.*

General Decisions

1. Review of pending files in Parivesh Portal

To dispose the backlog of pending applications, the Authority directed the SEIAA Secretariat to prepare a status report of the applications pending for more than 365 days in tabular form indicating nature of pendency, suggested action for clearance and decisions required. The Authority also decided to direct the SEAC to expedite the processing of pending applications. Additionally, it is also decided to place the review of pending files as an agenda item in every SEIAA meeting.

2. Addressing the observations made during field inspection

SEAC shall ensure that all the important observations made during field inspection are addressed during subsequent appraisal and there shall be proper recommendation to address the field observations.

3. Training on Parivesh 2.0

The Authority noticed that the MoEF&CC has launched the new PARIVESH Portal 2.0 with an advanced Decision Support System (DSS) that can help reduce the field inspections and facilitate quick and definite decisions by the SEAC. Therefore, the Authority decided to request MoEF&CC to conduct a training session on PARIVESH 2.0 for members of SEAC and SEIAA and all concerned staff of SEIAA. The NIC coordinator in SEIAA to co-ordinate the training.

4. District Survey Report (DSR) for Minor Minerals– Reminder

The Authority has taken note of the 113th SEIAA's decision that the District Survey Reports for Minor Minerals be revised in accordance with S.O 3611(E) dated 25th July 2018 issued by MoEF&CC. The Hon'ble Supreme Court and Hon'ble NGT have also emphasized the importance DSRs in granting Environmental Clearances for mining projects. In light of this, the Authority has already informed the Mining and Geology Department to expedite the revision of the DSRs. However, the Mining and Geology Department has submitted only the DSRs of two districts (Kollam and Kannur) for the approval of SEIAA and they are under the scrutiny of SEAC.

Under these circumstances, the Authority has decided the following:

1. To inform the Mining and Geology Department to expedite the revision of the DSRs and to ensure their timely submission to SEIAA. A DO letter from the Member Secretary/the Secretary (Environment) shall be issued to Director, Mining and Geology Department explaining the importance of DSR and consequences on mining operations in the state without a approved DSR.
2. The SEAC shall take necessary steps to expedite the scrutiny of the already submitted District Survey Reports.

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

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

Sd/-
Dr. Rathan U. Kelkar, IAS
Member Secretary, SEIAA