

**MINUTES OF THE 168th MEETING OF THE STATE LEVEL EXPERT APPRAISAL
COMMITTEE (SEAC), KERALA HELD ON 8th, 9th, 10th & 20th JULY 2024, IN THE
CONFERENCE HALL, STATE ENVIRONMENT IMPACT ASSESSMENT
AUTHORITY, KERALA**

The meeting started at 10.00 AM on 08th July 2024. Dr. R. Ajayakumar Varma, Chairman, SEAC Kerala chaired the meeting. The Committee discussed the agenda items in detail and took the following decisions:

PHYSICAL FILES

Item No.168.01 **Noting of the minutes of 166th SEAC meeting held on 11th -13th June 2024 & 167th SEAC meeting held on 22nd June 2024.**

Confirmed Minutes.

Item No.168.02 **Complaint against the quarries in Mudakoimala, Vazhakkad Village, Kondotty Taluk, Malappuram.
(File No.2897/EC1/2023/SEIAA)**

The Committee discussed the Field Inspection Report conducted on 16.06.2024 as per the decision of the 166th SEAC meeting and noted the salient aspects. It is observed that Mudakoimala is a 'Y' shaped lateritic plateau with steep sloping flanks. The top of the Plateau is almost flat and comprised of hard lateritic duricrust. The maximum elevation of the hill is 120m above MSL and the minimum is 10m. The relief of the area is 110m. There are many houses built along the steep flank and valley part of the plateau. Many abandoned lateritic quarries are present over the plateau area. The following projects for laterite quarrying in the area are accorded environmental clearance, but none of them are functional:

1. Sri. Abu Thahir P.K (1800/EC6/2020/SEIAA) vide EC No.07/L/2022 dated 08.06.2022.
2. Sri. Krishnan (2070/EC6/2022/SEIAA) vide EC No.196/L/2022 dated 01.12.2022. (presently remains closed due to a stop memo from the Village officer.)
3. Sri. Ismail K.P (1772/EC6/2020/SEIAA), having EC No.08/L/2022 dated 08.06.2022. Operation stopped by March 2024. Reclaimed, fenced, and part of the area planted with coconut.

At present, the following four EC applications of laterite quarry are under the consideration of the SEIAA.

1. SIA/KL/MIN/446706/2023, 2404/EC1/2023/SEIAA, Sri.Muhammad Rajil (0.6030 Ha)
2. SIA/KL/MIN/435779/2023, 2336/EC6/2023/SEIAA, Sri. Rafeeq P K (0.7772 Ha)
3. SIA/KL/MIN/416601/2023, 2228/EC6/2023/SEIAA, Sri.Abdu Razak (0.9496 Ha)
4. SIA/KL/MIN/400725/2022, 2128/EC6/2022/SEIAA, Sri.Mohammed Shafi. E (0.8593 Ha)

The sub-committee inspected various laterite quarry project sites in Mudakoimala and made the following observations:

- A pit of 30m in length and 15 m in width and a height of an average of 7m was found on the left side, without reclamation in Krishan's quarry. Fencing is done partially around the pit.
- On the southwestern wall of the pit of Sri. Krishnan's quarry, a vertical fracture is developed into a soil pipe.
- Quarry of Sri. Ismail is stopped in March 2024 and the pit is reclaimed but not properly and the major part of the land is unutilized and kept barren. A small portion is planted with coconut. Soil erosion has taken place along the sloppy area. No proper protection measures were carried out to arrest the soil erosion and channel formation along the reclaimed part of the quarry pit. It is observed that muddy water flowing out of the project area towards the downstream side.
- The quarry operation of Sri. Abu Thahir is not yet started.
- Approach road to the quarry area is narrow, undeveloped, and not well maintained and passes along the upslope of these built structures..
- There are 4 houses constructed along the steep slope area where the soil and overburden thickness is high.
- A minor landslide happened at the backside cutting of Sri. Mahesh Kakkattiri's house.
- Houses in this area are constructed on concrete pillars on the downstream side without altering the slope of the area.

The Committee considered the above observations of the sub-committee and agreed to the following findings of the sub-committee:

1. Mine closure plan/reclamation plan has not been implemented in any of the quarries, which have either closed or ceased functioning. This has resulted in the dumping of quarry waste/topsoil at several locations creating nuisance. Erosion to lower reaches is also noticed at several locations.
2. Most of the quarry pits are reported to store water during rainy seasons. Some of the side walls of the quarry pits are noted to have signs of soil piping which is a serious concern.
3. The natural drainage of the area has been altered due to mining activities. This has resulted in the alteration of drainage channels in the lower reaches, leading to minor slides and seepages. An issue of a similar nature was observed during the field visit, wherein a sidewall collapsed and fell over a house.
4. The only access road to the quarry sites is poorly developed, comparatively narrow, and not as per standard specification. There are residential buildings on either side of the road. During quarry operations, materials movements from all the quarries are through the undeveloped road and this is likely to pose accident threat, higher extent of nuisance and increasing health concerns for the people living on either side of the road.
5. There is higher biodiversity in the area with reported endemic species.

The Committee agreed to the following recommendations based on the report of the sub-committee:

1. The Mining & Geology Department shall ensure closure of the quarry pits immediately after completion of the quarrying pit as per KMMC Rules 2015
2. Considering the vulnerability of the area, the Mining & Geology Department shall strictly enforce the compliance of the conditions stipulated in the mining plan and EC conditions.
3. No further proposals for mining in the area should be considered by the SEIAA until the access roads to the region is developed with adequate width and drainage facility as per standard specifications.
4. Considering the signs of soil piping noticed on the side walls of the quarry pits, water logging in the quarry pits should not allowed during the rainy season. Therefore, the mining in the area should be permitted only after evolving and implementing comprehensive drainage plan for the area by the Proponents collectively and site-specific drainage plan for each proposal in consonance to the comprehensive drainage plan so as to ensure appropriate drainage and avoid water logging.
5. The Local Government (Grama Panchayath) shall take the necessary steps to oversee the development of comprehensive drainage plan for the area with the support of all the project proponents in the area including the project proponents of the abandoned quarries.

In accordance with the above recommendations, the Committee proposes to suggest the following two additional specific conditions to be added to the existing specific conditions with which environmental clearance has been granted to the two projects (i) SIA/KL/MIN/174851/2020, 1800/EC6/2020/SEIAA on 08.06.2022 and (ii) SIA/KL/MIN/408697/2022, 2183/EC6/2023/SEIAA issued on 06.08.2023.

1. Mining should be carried out only after maintaining the road with adequate width and drainage facility as per standard specifications.
2. Mining should be carried out only after evolving and implementing comprehensive drainage plan for the area by the Proponents collectively and site-specific drainage plan for each proposal in consonance to the comprehensive drainage plan so as to ensure appropriate drainage and avoid water logging.

In the judgment dated 26.06.2024 in WP(C) No.22204/2024 and WP(C) No.22235/2024 the Hon'ble Court ordered with direction to the 2nd respondent (SEAC) to issue notice to the petitioners, in case they find any merit in the complaint preferred by the complainants and afford them an opportunity to file objection, as also, for hearing, before finalizing any proceedings pursuant to Ext.P2 proceedings. Needless to say that, copy of the complaint and such other documents, if any, being relied on by the authority for any action proposed against the petitioners, will also be served to the petitioners, along with the notice. **In order to comply with the above directions of the Hon. High Court, the Committee decided to direct the SEIAA Secretariat to provide all the documents as required and notice to the Petitioners prior to providing an opportunity for hearing.**

Item No.168.03 **Environmental Clearance for the Granite Building Stone Quarry project of Sri. Abdul Latheef, M/s Super Stone Crusher for an area of 1.1915 Ha at Un. Sy. Nos. 1452 (Pt) and 1453(pt) (Not final) in Koodaranji Village, Thamarassery Taluk, Kozhikode (SIA/KL/MIN/250609/2022, 2015/EC4/2022/SEIAA)**

The Committee examined the hearing note received on 15/06/2024 and discussed it in detail. The Committee observed that there is no additional document for revising the decision taken earlier to reject the application invoking precautionary principle. **Therefore, the Committee decided to adhere to it's earlier decision to reject the EC application of the project proponent.**

Item No.168.04 **Environmental Clearance for the Granite Building Stone Quarry project of Sri. Antony S. Alukkal, M/s Jas Granites Pvt. Ltd., at Re-Survey Nos. 366/1, 367/1, 367/1, 368, 369/1, 382/1, 382/2, 383/1, 383/2, 387/3, 384/1, 384/1, 382/3, 382/3, 387/2 in Peringome Village, Taliparamba Taluk, Kannur (File No.1148/EC/SEIAA/KL/2017)**

The Committee verified the Half Yearly Compliance Report submitted by the Project Proponent on 31/06/2024. The Committee also discussed the Complaint filed by Sri. Arjun V.T. on 04.03.2023. It is placed before the Committee that the EC for the project was issued on 02.02.2018 and the validity of the same expired on 01.02.2024 after getting Covid relaxation. From the letter of Environmental Engineer, Kannur, it is understood that they are acting to mitigate the pollution issues raised. **In the circumstance, the Committee decided to recommend to SEIAA to direct the Scientific Officers of SEIAA to conduct a field inspection for assessing the compliance status of EC and report the same to the SEAC/SEIAA.**

Item No.168.05 **Environmental Clearance for the Granite Building Stone Quarry project at Sy. No. 1244/1 (pt) at Killanur Village, Thrissur Taluk, Thrissur District by Sri. Dineshmon N.T, M/s Rudra Granites – Judgment dated 26.03.2021 in WP(C) No.8023 of 2021 - Revalidation of EC. (File No.823/SEIAA/EC1/2977/2015)**

As invited, the Project Proponent Sri. Dineshmon N.T and Consultant Vikas Thripadhi, M/s. Parivesh Environmental Engineering Services were present. The Consultant made the presentation. **The Committee decided that detailed evaluation of the damage assessment report is necessary. Therefore, the Committee decided to entrust Dr. Mahesh Mohan for evaluation of the report.**

Item No.168.06 **Complaint on the EC issued to the granite building stone quarry of Sri. V. J. Chacko, Managing Partner, M/s. Parlikkad Granites Wadakkancherry Village, Thalappilly Taluk, Thrissur District. (SIA/KL/MIN/45120/2019: 1526/EC2/2019/SEIAA)**

As per the the direction of the 141st meeting of the SEIAA, the Committee heard the Complainant and the Proponent. The Complainant Sri. Vineesh E.R was accompanied by Sri. Jayan JG. As per the complaint dated 19th February 2024, it is stated that the EC identification No. EC22B001KL185350 issued to Sri. V. J. Chacko is without proper assessment and the facts and the figures submitted by the Project proponent are contrary to the EC conditions. The complainants also stated that the Project proponent is violating the EC conditions. Subsequently, the Committee heard the Project Proponent Sri. V. J. Chacko along with RQP VK Roy. The RQP made the presentation, addressing the grievances as mentioned in the complaint. **After hearing, the Committee decided to direct the Complainant and the Project Proponent to submit a detailed hearing note with all relevant supporting documents within a week.**

Item No.168.07 **Environmental Clearance for the Granite Building Stone Quarry of Shri. Jimmy Jose, for an area of 0.9950 Ha at Sy.No. 318/2/2, 318/2/3 in Venganellur Village, Thalappilly Taluk of Thrissur (SIA/KL/MIN/229494/2021, 2029/EC6/2022/SEIAA)**

The Committee reexamined the proposal as per the direction of the 142nd SEIAA meeting and considered the complaint received from Sri. Jayaprakash Nair, the Secretary, Sri Krishna Estate Quarry Virudha Samithi, Thrissur. As per proceedings of the State Land Board Chairman dated 15/02/2024, Sri. Baby Mathew (Old land owner of the proposed area) holding excess land and the area was under dispute as per the Land Reforms Act section 87(1). The Proponent has submitted an affidavit from the previous owner (Sri. Baby Mathew) that the excess land identified will be surrendered from other lands he is in possession. The PP had submitted non-assignment certificate dated 31/05/2024 of Venganellur Village officer states that an area of 0.9950 Ha land of the project area is also assigned for quarrying activities out of the 5.666Ha.

The Committee noted that the depth to the water table projected to the proposed site is 50m above MSL and therefore, permissible depth of mining is 52m above MSL to avoid intersection of groundwater table. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents for further appraisal of the proposal.**

- a) Detailed EMP prepared by a NABET Accredited consultant, incorporating identified environmental issues, site-specific mitigation measures with adequate budget estimate for implementation for the entire life of mine and incorporating adequate provision for CER as per the guidelines of SEIAA.
- b) Compensatory afforestation plan along with geo-tagged photographs of the proposed site, species proposed to be planted and ownership details of the proposed land

- c) Proof of application submitted to SCNBWL for wildlife clearance since the Peech-Vazahani WLS at 6.90 km.
- d) Detailed drainage plan incorporating garland drain, silt traps, siltation ponds, connectivity to natural drain etc.
- e) Location and protection details of the proposed storage site of overburden and top soil

The Committee also decided to recommend to the SEIAA to seek an urgent legal opinion on whether EC can be considered in the proposed area in light of the judgment and the averments raised by the complainant. While seeking legal opinion, it may also be sought to know whether EC can be considered based on the affidavit submitted by the Proponent. The Committee also decided to recommend to SEIAA to file extension petition urgently, if required.

Item No.168.08 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Ravi Paleri, Proprietor, M/s Surya Stone Crusher & Hollow Bricks at Re. Sy. No.275/1A pt, in Triprangottur Village, Thalassery Taluk, Kannur (SIA/KL/MIN/126728/2019; 1782/EC4/2020/SEIAA)

As intimated the Project Proponent Sri. Ravi Paleri along with the consultants Dr. A. Dhamodharan and Sri. Arunkumar attended the hearing as per the decision of 141st SEIAA meeting. The Committee noted the representation dated 11.04.2024 consisting of slope stability study report of the Dept. of Civil Engineering, NIT, Karnataka. The Consultant made the presentation, and stated that the average slope of the site is about 25.38 degrees and the major area shows exposed rocks. The PP also intimated that the NOC from the District Level Crisis Management Authority will be submitted since the area falls under Medium hazard Zone and also ready to conduct any additional studies for further processing of the application. **After hearing, the Committee decided to direct the project proponent to submit detailed hearing note with all relevant supporting documents within a week.**

Item No.168.09

EC granted to Sri. Vinu Joseph, Managing Director, M/s Granitic Mines India Pvt. Ltd. by DEIAA, Kottayam - Hon'ble High Court Kerala Judgment in WP(C) No. 4798 of 2023 dated 05.07.2023 (File No: 1775/EC3/2023/SEIAA)

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Environmental Clearance for the expansion of Granite Quarry Project of Sri. Vinu Joseph, Managing Director, M/s Granitic Mines India Pvt. Ltd. at Kondoor Village, Meenachil Taluk, Kottayam – EC granted by DEIAA, Kottayam – Judgements in WP(C) No. 416 of 2024 (B) dated 09.01.2024, 22.01.2024 & 12.02.2024

(SIA/KL/MIN/438142/2023; 2432/EC4/2024/SEIAA)

The Committee noted the decisions of 145th meeting of the SEIAA in compliance with the Judgment of the Hon'ble High Court in WP(C) No. 4798 of 2023 dated 05.07.2023. The Committee noted the decision pertaining to the SEAC as “In order to comply with the direction (iii) of the Judgement dated 05.07.2023, the project life and the balance quantity to be mined as per the Exhibit P2 mining plan shall be assessed by SEAC on priority after the Project Proponent furnishes the relevant details for the quantity so far mined out and the balance quantity that can be mined, from the Mining and Geology Department. SEAC shall have the liberty to recommend accordingly safeguarding the environmental interest in the project region.” **Accordingly, the Committee decided to undertake the reappraisal after the Project Proponent submit the relevant details sought earlier.**

Item No.168.10

Environmental Clearance issued to the Building stone quarry project of Sri. K.V. Mathew, M/s Kachanathu Minerals and Metals Pvt. Ltd in Sy.Nos. 135/2-3, 135/7, 135/7-1,135/6, 135/2-2, 135/2, 135/2-1, 167/1, 167/1-1, 167/5, 167/2-2, 167/2-13 of Block 27 at Ezhumattoor Village, Mallappally Taluk, Pathanamthitta District, Kerala – Complaint received (File No.765/SEIAA/EC4/505/2015)

The Committee noted the decision of the 142nd SEIAA meeting and as per that the Authority directed SEAC to conduct a field inspection to ascertain the compliance status of the EC conditions and also the allegations of the complainant against the project. The field inspection shall be conducted in the presence of the complainant and District Geologist. If the Project Proponent has conducted illegal mining, the environmental damage occurred due to the excess mining shall be assessed with the help of an accredited agency, Mining and Geology Department and the KSPCB. The SEAC shall have all the freedom to recommend the action against the Project Proponent including cancellation of EC. **In these circumstances, the Committee decided to entrust Dr. Mahesh Mohan and Dr. R. Ajayakumar Varma to conduct the field inspection as desired by the SEIAA in the presence of the Complainant and District Geologist, Pathanamthitta. The SEIAA Secretariat shall give necessary**

intimation to the Project Proponent, Complainant and the District Geologist, Pathanamthitta and arrange to coordinate the field inspection.

Item No.168.11 **Environmental Clearance issued to Sri. N.A Thomas for the Granite Building Stone Quarry Project, M/s Chooramudy granites, for an area of 0.8589 Ha at Re - Survey No-524/4, 524/5, 524/7-2, 524/12, 524/13pt, 524/15 pt, 524/3-2, 524/3-3 in Vengoor west Village, Kunnathunad Taluk, Ernakulam.
(File No: 1193/EC3/2021/SEIAA)**

The Committee noted the decision of 141st and 135th SEIAA meeting and as per the that, SEAC shall assess and quantify the environmental damages and degradation due to unscientific mining and non-compliance of the EC conditions. It is also directed that SEAC shall have the freedom to obtain the damage assessment report prepared by a NABET accredited Agency hired through the project proponent. **Based on discussion, the Committee decided to direct the PP to submit damage assessment report prepared by a NABET accredited agency in compliance with the KSPCB guidelines within 2 months.**

Item No: 168.12 **Environmental Clearance for Granite Building Stone Quarry of Sri. R. Mohandas, for an area of 3.7390 Ha. at Re-Survey Nos. 1293/1623, 1293/1621, 1293/1622, 1293/2870, 1293/2872, 1293/2793, 1293/2794 & 1293/1624 in Ayyankunnu Village, Iritty Taluk, Kannur. (SIA/KL/MIN/428391/2023, 2283/EC4/2023/SEIAA)**

The Committee discussed the hearing note submitted by the PP on 05-07-2024 and found that there are no additional scientific documents submitted or arguments put forward by the PP to review the earlier decision taken by the Committee to recommend rejection of the proposal on account of Precautionary Principle. **Therefore, the committee decided to adhere to its earlier decision to reject the proposal.**

PARIVESH FILES (Ver-1)
CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE
PART-1

Item No.01 **Environmental Clearance for the existing Steel making and Rolling Mill of Sri. Moidu K E, Managing Director, M/s Peekay Rolling Mills (P) Ltd at Sy. No. 50 (Part), 53 (Part), 54 (Part), 55 (Part), 56 (Part) and 58 (Part) in Cheruvanoor Village, Kozhikode Taluk , Kozhikode (SIA/KL/IND1/439827/2023, 2209/EC4/2023/SEIAA)**

The Committee examined the additional documents submitted by the project proponent and found them satisfactory except the compensatory afforestation plan. **Hence, the Committee decided to direct the PP to submit revised Compensatory afforestation plan in an alternate site**

Item No.02 **Environmental Clearance for the proposed Residential project developed by M/s Oceanus Dwellings Pvt. Ltd. at Survey Nos. 578/19, 578/21, 580/8, 581/7, 581/8, 581/9 in Palakkad II Village, Palakkad Taluk, Palakkad. (SIA/KL/INFRA/416126/2023, 2223/EC1/2023/SEIAA)**

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the application, the total plot area is 0.7892 ha.(7,892 sqm). The proposed built-up area is 36,121.76 sqm. The floors proposed are ground + 15 floors with 195 apartments. The height of the structure is 48.95 m. The parking facility proposed is space for 229 Cars and 726 sq.m. space for Two-wheeler parking. The FAR is @3.36. The proposed area 4.3 km away from the Medium Hazard zone. The project cost is 76 Crores. **Based on discussions the Committee decided to recommended EC for 10 years for the proposal subject to the permissibility of FAR and following Specific Conditions in addition to the General Conditions.**

1. Buildings should be barricaded with GI sheets and other means up to the height required so as to avoid disturbance to other buildings nearby during construction.
2. Construction work should be carried out during day time only.
3. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
4. All vehicles carrying construction materials should be fully covered and protected.
5. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
6. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
7. Occupational health safety measures for the workers should be taken during the construction.
8. All vehicles during the construction phase should carry PUC certificate.

9. D.G. set should be provided with adequate stack height and regular maintenance should be carried out before and after the construction phase and would be provided with an acoustic enclosure.
10. The Project Proponent should make provision for the housing of construction labour with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).
11. The Kerala Energy Conservation (Building Code) Rules 2017 should be complied with.
12. Energy conservation measures as proposed in the application should be adopted in total. The PP should examine the scope for improving energy conservation measures periodically and should implement the same.
13. Climate responsive design as per Green Building Guidelines in practice should be adopted
14. The guidelines for green rating and green building certification to buildings based on green standards issued by Government of Kerala vide GO (MS) No. 39/2022/LSGD dated 25.2.2022 should be adhered to.
15. The proponent should implement the drainage plan as proposed.
16. Water efficient plumbing features for saving water use should be adopted as per the plan submitted.
17. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
18. Exposed roof area and covered parking should be covered with material having high solar reflective index
19. Building design should cater to differently-abled citizens
20. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow
21. Green belt surrounding the campus, avenue tree planting, and garden development should commence from the beginning of the construction phase. Suitable local species should be used for green belt and avenue trees.
22. Vegetation should be developed appropriately on the ground as well as over built structures such as roofs, basements, podiums, etc.
23. The solid waste management proposal should be implemented as proposed in compliance to the rules of the central, state and local governments
24. The STP including Tertiary Treatment Unit should be installed to ensure quality of treated water for re-use /recycle for flushing / gardening/ firefighting/ recharge of local ground water as per the plan submitted.
25. Adequate safety gadgets and instruments should be provided to the people engaged in the treatment of solid as well as liquid wastes. Periodic checkups regarding the health status of the people should be undertaken.

26. Periodic monitoring of water samples from the groundwater sources should be carried out. Adequate treatment methods should be followed to remove the contaminants.
27. Charging facility for EV at parking space has to be ensured

Item No.03 **Environmental Clearance for the expansion of existing Building Construction of Residential Project (Condor Cyber Gardens) M/s Condor Builders Pvt. Ltd. at Sy. Nos. 157/20, 172/4 & others in Attipra Village, Thiruvananthapuram Taluk, Thiruvananthapuram. (SIA/KL/INFRA2/443950/2023, 2420/EC3/2023/SEIAA)**

The Committee examined the additional documents submitted by the project proponent and found that it is not satisfactory. **Therefore, the Committee decided to direct the PP is to submit documentary evidence to prove that all the existing built structures are developed prior to 12/07/2018, i.e, prior to the date of expiry of EC.**

Item No.04 **Environmental Clearance for Commercial Complex Project including Hyper Market, Retail shops, Multiplex, Restaurant/food court, and amusement center by M/s Lulu International Shopping Malls Pvt. Ltd. at Survey Nos. 409/2, 408/2, 407/2, 400/7, 407/3, 407/1, 410/2, 409/1, 405/4, 403/3, 403/2, 403/6, 406/2, 406/4, 406/6, 406/5, 405/2, 406/3, 405/3, 403/4, 403/5, 412/2, 409/3, Ayyanthole Village, Thrissur Municipal Corporation, Thrissur Taluk & District, Kerala. (SIA/KL/INFRA2/452684/2023, 2477/EC3/2023/SEIAA)**

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the application, the cumulative built-up area of the project is 39,251.48 m² and plot area is 2.1772 ha. The maximum height of the building is 28 m and the FAR is 1.191. The total project cost is Rs. 115.376 Crores. There are two Cases under WP(C) No. 38444 of 2022(E) and WP(C) No. 1045 of 2023(E) pending against the project in the Hon. High Court of Kerala. It is stated that the excavated topsoil (1,143 cu.m.) will be used for landscaping work. The excavated earth used for backfilling work will be 2,335 cu.m. and internal road construction work will be 5,393 cu.m. within the site. It is stated that the rest of the excess excavated quantity of about 60,128 cu.m. would be sent to the tile manufacturing units at Peramangalam, Perinchery and Poochunnipadom in Thrissur. The land use of the project site and its surroundings were paddy land and the Proponent produced the land conversion order no. D1-3723/2021 dated 16.07.2021 & D7/5897(A)/2021 dated 15.10.2022 issued by Revenue Divisional Officer, Thrissur. As per the provisions of Kerala Conservation of Paddy Land and Wetland Act, 2008 as amended in 2018, 10% of the converted land has to be protected as 'Water Conservation Area'. An international convention centre and a 5-star hotel was developed and commissioned by M/s Lulu International Convention Centre Pvt. Ltd. adjacent to the project site on the Northern side. The existing STP of 400 KLD attached to the Convention Centre & Hotel is proposed to be used for this project as well. The *Puzhakkal* river is at a distance of 350m. As per the additional documents submitted dated 21/06/2024, the plot area is 2.1772 ha (2,177.20

sq.m.). The building profile was changed as Ground Floor+3 floors+ terrace floor instead of originally conceived Basement + Ground floor + 2 floors + terrace. Thereby there is significant reduction in the quantity of excavated earth . The maximum of height is increased to 30m instead of 28m. The FAR is changed from 1.191 to 2.133. The Built-up area was increased as 46,551.04 sq.m. The project cost is increased as 131.51 crores. **Based on discussions the Committee decided to recommend EC for 10 years for the proposal subject to the FAR permissibility and following Specific Conditions in addition to the General Conditions.**

1. The 10% area specified as ‘Water Conservation area’ for conversion of previous land use of paddy field should be protected as such
2. Buildings should be barricaded with GI sheets and other means up to the height required so as to avoid disturbance to other buildings nearby during construction.
3. Construction work should be carried out during day time only.
4. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
5. All vehicles carrying construction materials should be fully covered and protected.
6. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
7. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
8. Occupational health safety measures for the workers should be taken during the construction.
9. All vehicles during the construction phase should carry PUC certificate.
10. D.G. set should be provided with adequate stack height and regular maintenance should be carried out before and after the construction phase and would be provided with an acoustic enclosure.
11. The Project Proponent should make provision for the housing of construction labour with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).
12. The Kerala Energy Conservation (Building Code) Rules 2017 should be complied with.
13. Energy conservation measures as proposed in the application should be adopted in total. The PP should examine the scope for improving energy conservation measures periodically and should implement the same.
14. Climate responsive design as per Green Building Guidelines in practice should be adopted
15. The guidelines for green rating and green building certification to buildings based on green standards issued by Government of Kerala vide GO (MS) No. 39/2022/LSGD dated 25.2.2022 should be adhered to.
16. The proponent should implement the drainage plan as proposed.

17. Water efficient plumbing features for saving water use should be adopted as per the plan submitted.
18. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
19. Exposed roof area and covered parking should be covered with material having high solar reflective index
20. Building design should cater to differently-abled citizens
21. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow
22. Green belt surrounding the campus, avenue tree planting, and garden development should commence from the beginning of the construction phase. Suitable local species should be used for green belt and avenue trees.
23. Vegetation should be developed appropriately on the ground as well as over built structures such as roofs, basements, podiums, etc.
24. The solid waste management proposal should be implemented as proposed in compliance to the rules of the central, state and local governments
25. The STP including Tertiary Treatment Unit should be installed to ensure quality of treated water for re-use /recycle for flushing / gardening/ firefighting/ recharge of local ground water as per the plan submitted.
26. Adequate safety gadgets and instruments should be provided to the people engaged in the treatment of solid as well as liquid wastes. Periodic checkups regarding the health status of the people should be undertaken.
27. Periodic monitoring of water samples from the groundwater sources should be carried out. Adequate treatment methods should be followed to remove the contaminants.
28. Charging facility for EV at parking space has to be ensured
29. The PP should actively involve with the respective departments for implementing the short term measures suggested by the NATPAC to avoid traffic congestion within 100m of the entry/exit points.

Item No.05 **Environmental Clearance for the Proposed Residential Project of M/s Good Earth India Infra (P) Ltd at Sy.No 587/25-2-2, 587/25-4, 587/25-3, 587/25-3-2, 587/23, 587/24, 587/25, 587/61, 587/6 in Cheranellur Village & Panchayat, Kanayannur Taluk, Ernakulam.**
(SIA/KL/INFRA2/453455/2023, 2471/EC1/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the application, the total built-up area of the project is 25,632.6m² in plot area of 0.5034 ha, for the construction of 68 Apartments (4 BHK) & amenities. The FAR is @3.9. The maximum height of the building is 59.90m. The total project cost is Rs. 55.73586 crores. The distance from Mangalavanam Bird Sanctuary is 6.50 km. The proponent has submitted proof of application submitted for clearance from the NBWL/SBWL. **Based on discussions the Committee recommended EC for 10 years for**

the proposal subject to the permissibility of FAR and following Specific Conditions in addition to the General Conditions.

1. Buildings should be barricaded with GI sheets and other means up to the height required so as to avoid disturbance to other buildings nearby during construction.
2. Construction work should be carried out during day time only.
3. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
4. All vehicles carrying construction materials should be fully covered and protected.
5. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
6. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
7. Occupational health safety measures for the workers should be taken during the construction.
8. All vehicles during the construction phase should carry PUC certificate.
9. D.G. set should be provided with adequate stack height and regular maintenance should be carried out before and after the construction phase and would be provided with an acoustic enclosure.
10. The Project Proponent should make provision for the housing of construction labour with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).
11. The Kerala Energy Conservation (Building Code) Rules 2017 should be complied with.
12. Energy conservation measures as proposed in the application should be adopted in total. The PP should examine the scope for improving energy conservation measures periodically and should implement the same.
13. Climate responsive design as per Green Building Guidelines in practice should be adopted
14. The guidelines for green rating and green building certification to buildings based on green standards issued by Government of Kerala vide GO (MS) No. 39/2022/LSGD dated 25.2.2022 should be adhered to.
15. The proponent should implement the drainage plan as proposed.
16. Water efficient plumbing features for saving water use should be adopted as per the plan submitted.
17. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
18. Exposed roof area and covered parking should be covered with material having high solar reflective index
19. Building design should cater to differently-abled citizens

20. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow
21. Green belt surrounding the campus, avenue tree planting, and garden development should commence from the beginning of the construction phase. Suitable local species should be used for green belt and avenue trees.
22. Vegetation should be developed appropriately on the ground as well as over built structures such as roofs, basements, podiums, etc.
23. The solid waste management proposal should be implemented as proposed in compliance to the rules of the central, state and local governments
24. The STP including Tertiary Treatment Unit should be installed to ensure quality of treated water for re-use /recycle for flushing / gardening/ firefighting/ recharge of local ground water as per the plan submitted.
25. Adequate safety gadgets and instruments should be provided to the people engaged in the treatment of solid as well as liquid wastes. Periodic checkups regarding the health status of the people should be undertaken.
26. Periodic monitoring of water samples from the groundwater sources should be carried out. Adequate treatment methods should be followed to remove the contaminants.
27. Charging facility for EV at parking space has to be ensured

Item No.06 Environmental Clearance for the Granite Building Stone Quarry project of Sri. Aboobacker. P.M, Managing partner, M/s M A Granites for an area of 1.5640 Ha at Resurvey Block No. 1, Re Survey No: 84/1, 84/2B in Balussery Village, Koyilandy Taluk, Kozhikode. (SIA/KL/MIN/166371/2020, 1758/EC4/2020/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the Cluster Certificate dated 28/05/2024 indicates non cluster condition. As per the application, the total minable reserve available is 481327.5MT with an average annual production of 40000 MT. The total project cost is 80 lakhs. The life of mine is 12 years. As per the presentation, the depth to water table is 6m below ground level at 157 m MSL. The distance to the high hazard zone is 8.50 km and to the medium hazard zone is at 223m. The nearest house is situated at a distance of 54.9 m from project boundary. The highest elevation of the proposed area is 225 m and the lowest elevation is MSL 190m MSL. Considering the slope and thickness of soil, it is not desirable to have a quarry pit in the site which impound water. **Based on discussion, the Committee decided to recommend EC for 12 years subject to the following Specific Conditions. The EC may be issued after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The depth of mining should be limited to 190m above MSL, i.e. at the ground level so as to conserve the slope of the terrain and avoid formation of quarry pit that will get impounded with water leading to possible risk.

2. Unhindered drainage facility is of utmost importance to the terrain and it should be implemented with utmost care prior to the commencement of mining. A comprehensive drainage system incorporating garland drain, silt trap with trap height less than 0.5m, outflow channel and connectivity to the nearest public drain should be ensured prior to commencement of mining. The number of siltation trap should be such that to prevent entry of turbid water to the common drain
3. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
4. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites. It should be ensured that that the overburden storage area should not be near any drainage lines
5. The green belt should be initiated prior to the commencement of mining using indigenous species.
6. A temporary wall of 5m height should be erected connecting the boundary pillars B1-Bp7-Bp6-BP5 to avoid disturbance and nuisance to the residents in the lower reaches.
7. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
8. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
9. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
10. The haulage road should be provided with sprinkling facility to prevent dust pollution.
11. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
12. 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.
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 5.00 pm).
14. Adequate sanitation, waste management and restroom 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. The 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. dump plan

17. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
18. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.
19. All the protection measures proposed for the abandoned quarry should be implemented and monitored regularly.

Item No.07 **Environmental Clearance for Granite Building Stone Quarry of Sri. Sajeev. M.A for an area of 1.8592 Ha at Survey No. 959/1L, 959/1L2, 959/1L-8 in Kothamangalam Village, Kothamangalam Taluk, Ernakulam. (SIA/KL/MIN/269321/2022,2174/EC3/2022/SEIAA)**

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory except the drainage plan. **Hence, the committee decided to give one more chance for submitting the revised drainage plan showing connectivity of overland flow to natural drain.**

Item No.08 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Narikkadan Dasan for an area of 0.9742 Ha at Re. Survey No. 236/3,237/1&238/2 in Thirumeni Village, Payyannur Taluk, Kannur. (SIA/KL/MIN/269882/2022, 1292/EC2/2019/SEIAA)**

The Committee examined the additional documents submitted by the project proponent and found that the study report is mostly based on laboratory investigation which does not reflect the field conditions. Therefore, the Committee decided that it is difficult to take a final decision based on the report submitted. **The committee decided to intimate the same to the SEIAA.**

Item No.09 **Granite Building Stone quarry project of Sri. Thomas Varghese in Block No. 28, Survey Nos. 496/2, 496/2-1, 496/3, 496/4, 496/14, 497/4-1-1 of Mallappally Village, Mallappally Taluk in Pathanamthitta (SIA/KL/MIN/409822/2022, 2161/EC1/2022/SEIAA)**

The Committee examined the additional documents and found them satisfactory. However the Committee observed the following:

- (i) There is a significant risk involved as there are many houses located at the South-West direction below the massive rocky outcrop. While mining in that rocky outcrop, there may be possibility of risk and accident.
- (ii) There may be possibility of breaching of solid and liquid waste and pollutants to the residential area, as the drainage system seems to be inappropriate and without safeguards.

In above circumstances, the Committee decided to seek a detailed proposal from the PP for overcoming the above observed issues.

Item No.10 **Environmental Clearance for the Granite Building stone quarry of Sri. Muhammed K.P. for an area 1.0545 Ha at Block No.29, Re Sy No. 325/11, 332/5, 332/11,332/10,332/3,332/1-1 in Kavanur village , Ernad Taluk, Malappuram. (SIA/KL/MIN/410913/2022, 2215/EC/2023/SEIAA)**

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the additional documents, the PP submitted revised EMP prepared by NABET accredited agency. A crusher is located at a distance of 52.1 Km from the project area. As per the application, the total mineable reserve is 3,46,900 MT. The life of mine is 10 years. The project cost is Rs. 1.25 crore. The highest elevation of the permit area is 110 MSL and lowest is 85 m MSL. The distance to nearest house is 106.54m. The distance from the high-hazard zone is 9 km and the distance to medium hazard zone is 4 km. As per the presentation, the depth to water table is 9m bgl at 57m AMSL. **Based on discussion, the Committee decided to recommend EC for 10 years subject to the following Specific Conditions in addition to the General Conditions and after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The depth of mining should be limited to 80m above MSL.
2. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
3. A temporary wall of 5m height should be erected connecting the boundary pillars B1-BP9-BP8 to avoid disturbance and nuisance to the nearby residents.
4. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
5. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites. It should be ensured that the overburden storage area should not be near any drainage lines
6. The green belt should be initiated prior to the commencement of mining using indigenous species.
7. Appropriate protection measures should be implemented for the abandoned quarry prior to the commencement of mining to avoid risks and accidents.
8. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
9. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration

10. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
11. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
12. The haulage road should be provided with sprinkling facility to prevent dust pollution.
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. 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 5.00 pm).
16. Adequate sanitation, waste management and restroom 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. The 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. dump plan
19. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
20. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.11 **Environmental Clearance for the Granite building stone quarry of Sri. V K Ramachandran for an area of 0.9999 ha at Resurvey No. 124/3 and 124/4 in Akathethara Villlage, Palakkad Taluk, Palakkad (SIA/KL/MIN/420459/2023, 2450/EC3/2023/SEIAA)**

The Committee scrutinized the additional documents submitted by the project proponent and noted that the depth to water table is 3m bgl at the spot of elevation 42m above MSL. **Based on discussion, the Committee decided to entrust Dr. K. Vasudevan Pillai and Sri. S. Sheik Hyder Hussain to conduct field inspection and submit report.**

Item No.12 **Environmental Clearance application 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)**

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. The PP submitted revised comprehensive EMP considering the

adjacent project sites indicating the responsibility sharing and cost sharing required for implementation. As per the application, the quantity proposed for mining is 26,716 MT with a recoverable quantity of 18701 MT. The mine life is 1 year. The project cost is Rs.3,85,395/- . The depth to water Table is 10 m below at 99 m AMSL. The elevation of the area as per the surface geological section is 109m MSL. No Houses within 50m radius. The high hazard zone is located at a distance of 8.6km and the medium hazard zone is at a distance of 2.90km.

Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:

1. The Comprehensive EMP given in the affidavit shall be executed by the three proponents jointly.
2. The excavation activity should not involve blasting.
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
9. Workers/laborers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
11. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
17. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.13 **Environmental Clearance application 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)**

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. The PP submitted revised comprehensive EMP considering the adjacent project sites indicating the responsibility sharing and cost sharing required for implementation. As per the application, the quantity proposed for mining is 26,716 MT with a recoverable quantity of 18701 MT. The mine life is 1 year. The project cost is Rs. 3,85,395/-. The depth to water Table is 10 m below at 99 m AMSL. The elevation of the area as per the surface geological section is 109m MSL. No Houses within 50m radius. The high hazard zone is located at a distance of 8.74km and the medium hazard zone is at a distance of 2.90km. **Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:**

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

15. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
17. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.14 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)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. The PP submitted revised comprehensive EMP considering the adjacent project sites indicating the responsibility sharing and cost sharing required for implementation. As per the application, the quantity proposed for mining is 26,716 MT with a recoverable quantity of 18701 MT. The mine life is 1 year. The project cost is Rs. 3,85,395/-. **The depth to water Table is 10 m below at 99 m AMSL.** The elevation of the area as per the surface geological section is 109m MSL. No Houses within 50m radius. The high hazard zone is located at a distance of 8.6 km and the medium hazard zone is at a distance of 2.88 km. **Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:**

1. The Comprehensives EMP given in the affidavit shall be executed by the three proponents jointly.
2. The excavation activity should not involve blasting.
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
9. Workers/laborers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
11. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.

12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
17. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.15 Environmental Clearance for Granite Building Stone Quarry of Sri. Sunil Chandran, Managing Director, M/s. Empire Crushers Private Limited for an area of 1.2784 Ha, at Block No.16, Re-Survey Nos.143/8-1, 143/9-1, 143/9- 2pt, 144/4pt, 144/14pt, 144/15pt in Anad Village, Nedumangadu Taluk, Thiruvananthapuram, Kerala. (SIA/KL/MIN/434229/2023, 2307/EC1/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the additional documents, the Wildlife Warden of Peparu WLS certifies that the proposed area was located at a distance of 11.7km. As per the application, the mineable reserve is 3,01,210 MT with an annual production 60,242 MT. The life of mine is 5 years. The highest elevation is 170 m MSL and the lowest is 135 m MSL. The nearest building is at 103 m. The depth to water table reported is 5m bgl. The distance to the medium hazard zone is 8.28 km and to the high hazard zone is 11.6 km. The Cluster certificate dated 01/06/2023 states that there are no other working quarries within 500m radius. **Based on discussion, the Committee decided to recommend EC for 5 years subject to the following Specific Conditions. The EC may be issued after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The depth of mining should be limited to 130m above MSL considering the depth to water table.
2. The green belt should be initiated prior to the commencement of mining using indigenous species.
3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.

4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
7. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
8. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. 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.
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 5.00 pm).
15. Adequate sanitation, waste management and restroom 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. The 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. dump plan
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.16 Environmental Clearance for the Granite Building Stone Quarry of Sri. Jayesh Thomas for an area of 0.9763 Ha at Block No.09, Survey Nos.622/1, 622/2 in Pazhavangady Village, Ranni Taluk, Pathanamthitta. (SIA/KL/MIN/434901/2023, 2329/EC1/2023/SEIAA)

The Committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the ADS submitted on 27/06/2024 the depth to water table is 6 m bgl at a spot having elevation of 33 m above MSL. As per the Cluster Certificate dated 21/03/24 there are no working quarry within 500m radius. As per the application, the total mineable reserve is 2,87,812.5 MT with an annual production of 95,937.5 MTA. The life of mine is 3 years. The total project cost is Rs.110 lakh. The highest elevation of the permit area is 85 m AMSL and the lowest is 50 m AMSL. The depth to water table is reported as 6m bgl. The nearest building is at 56.1 m and house is at a distance of 54.6 m from the proposed area. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the following Specific Conditions in addition to general conditions. The EC may be issued after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The depth of mining should be limited to 50m above MSL.
2. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
3. A temporary wall of 5m height should be erected connecting the boundary pillars BP2-BP3-BP4-BP5 to avoid disturbance and nuisance to the nearby residents.
4. *Acacia auriculiformis* mentioned as part of the compensatory afforestation plan should be replaced with appropriate indigenous species.
5. The green belt should be initiated prior to the commencement of mining using indigenous species.
6. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
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. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
10. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR

11. Implementation of CER Plan should be done during the first year of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
12. The haulage road should be provided with sprinkling facility to prevent dust pollution.
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. 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 5.00 pm).
16. Adequate sanitation, waste management and restroom 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. The 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. dump plan
19. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
20. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.17 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Alex P Cyriac, M/s. Perumalil Infrastructure Private Limited for an area of 3.1360 Ha at Re-Sy Nos. 772/1Apt, 772/2Apt, 772/2B, 772/3, 772/4Apt, 772/4B pt, 772/5pt & 773/7pt in Koothattukulam Village, Muvattupuzha Taluk, Ernakulam (SIA/KL/MIN/436077/2023, 2400/EC1/2023/SEIAA)**

The Committee scrutinized the Additional documents submitted by the project proponent and noted that the depth to water table is 5-9m bgl. **Based on discussion, the Committee decided to invite the Proponent for presentation.**

Item No.18 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Musthafa P.T.V for an area of 0.9900 Hectares at Block No- 01, ReSurvey Nos. 347/5, 347/5-5 & 347/5-15 in Thachanattukkara-I Village, Mannarkkad Taluk, Palakkad. (SIA/KL/MIN/439323/2023, 2443/EC3/SEIAA/2023)**

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory except (i) the clarification regarding the existence of two more

functional quarries on the north east side of the quarry as evident from the google imagery but not mentioned in the cluster certificate and (ii) the clarification regarding the building seen within 50 m indicated as labour shed, which is not permissible. **Therefore, the Committee decided to give one more chance to the PP to submit the same.**

Item No.19 **Environmental Clearance for Granite Building Stone Quarry of Mr.Jayakumar T, Managing Partner, M/s BTL Rocks& Minerals for an area of 1.0379 ha at Re-Survey No's. 359/2- 1, 359/2-2, 360/5, 360/5-1,360/4-1,360/3-4,360/3-5,360/6-2, 360/6-1, 360/4-2 in Kulathummal Village, Kattakada Taluk, Trivandrum, Kerala (SIA/KL/MIN/450543/2023, 2475/EC3/2023/SEIAA)**

The Committee scrutinized the Additional documents submitted by the project proponent and **the Committee decided to invite the Proponent for presentation.**

Item No.20 **Environmental Clearance for the Granite Building stone quarry of Sri. Varghese Chakku for an area of 0.7048 Ha at Block No.22 ,Re- Survey No:284 in Malayattoor Village, Aluva Taluk, Ernakulam (SIA/KL/MIN/45324/2019, 1557/EC3/2019/SEIAA)**

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. The PP submitted approval of the District Level Crisis Management Committee. As per the application, the total mineable reserve is 1,52,410 MT (50,803 TPA) and mine life is 3 years. The depth to water table is 13m bgl. The nearest built structure is located at a distance of 150 m. The highest elevation is 131 m and lowest elevation is 84m above MSL. The site is located within the moderate hazard zone. The distance to High Hazard Zone is 5.88 Km. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the following Specific Conditions in addition to general conditions. The EC may be issued after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The depth of mining should be limited to 85m above MSL, i.e. at the ground level so as to conserve the slope of the terrain and avoid formation of quarry pit that will get impounded with water leading to possible risk.
2. Unhindered drainage facility is of utmost importance to the terrain and it should be implemented with utmost care prior to the commencement of mining. A comprehensive drainage system incorporating garland drain, silt trap with trap height less than 0.5m, outflow channel and connectivity to the nearest public drain should be ensured prior to commencement of mining. The number of siltation trap should be such that to prevent entry of turbid water to the common drain
3. The green belt should be initiated prior to the commencement of mining using indigenous species.

4. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
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. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites.
8. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. 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.
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 5.00 pm).
15. Adequate sanitation, waste management and restroom 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. The 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. dump plan.
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.21 **Environmental Clearance application for the Laterite (Building Stone) Quarry of Sri. Santhosh Kombrain, for an area of 0.1943 Ha. at Block No:42, Re-Survey No:35/966 in Panappuzha Village, Payyannur Taluk, Kannur (SIA/KL/MIN/455037/2023, 2502/EC4/2024/SEIAA)**

The Committee scrutinized the Additional documents submitted by the project proponent and found a tar mixing plant near the project boundary at a distance of 11.6m. **Since the Project Proponent is unable to maintain the stipulated distance between the project boundary and the existing built structure (Tar Mixing Unit), the committee decided to recommend rejection of the proposal.**

Item No.22 **Environmental clearance for the Granite Building Stone Quarry of Mr. Udayan. S over an extent of 0.9882 Hectares in Re-Survey No.324/1-2pt, 320/7-2pt & 324/2pt at Veliyam Village of Kottarakara Taluk, Kollam. (SIA/KL/MIN/455590/2023, 2503/EC1/2024/SEIAA)**

The Committee scrutinized the Additional documents submitted by the project proponent and found the satisfactory. The PP submitted the NOC from the from the Irrigation Department, Kottarakara dated 14/11/2023. As per the application, the total mineable reserve is 1,64,485 MT. The life of mine is 3 years. The highest elevation of the permit area is 104 m above MSL and the lowest is 86 m above MSL. The moderate hazard zone is 26 Km away from the permit area. The total project cost is Rs 1.03 crore. As per the cluster certificate dated 05/12/2023, there is no cluster situation. The nearest built structure is at a distance of 55.1m. The Kallada irrigation Canal is found at a distance of 63.5 m. The depth to water table is 10m bgl as per the presentation made. The low hazard zone is at distance of 3.3km and high hazard zone is at a distance of 26km. The medium hazard zone is located away at 10.00 km from the proposed area. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the following Specific Conditions in addition to general conditions.**

1. The depth of mining should be limited to 80m above MSL, considering the depth to ground water table.
2. A temporary wall of 5m height should be erected at the boundary where houses are located to avoid disturbance and nuisance to the nearby residents.
3. The green belt should be initiated prior to the commencement of mining using indigenous species.
4. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
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. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites.
8. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. 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.
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 5.00 pm).
15. Adequate sanitation, waste management and restroom 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. The 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. dump plan.
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.23 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Anoop P.V., Managing Director, M/s. Rudra Stone and Crusher Private Limited for an area of 1.6896 Ha at Block No.30, Re-Survey Nos. 113/6, 113/7, 113/6-1 in Thekkada Village, Nedumangad Taluk, Thiruvananthapuram, Kerala. (SIA/KL/MIN/456003/2023, 2505/EC3/2024/SEIAA)**

The Committee scrutinized the additional documents submitted by the project proponent and the following are either not submitted or not satisfactory. Hence, **the Committee decided to direct the PP to submit the following Additional Documents.**

1. Action taken to ensure that there are no built structures within the Project site and within the stipulated buffer distance.
2. Compensatory Afforestation Plan along with geotagged photographs of the area, species proposed to be planted and ownership details of the land.
3. Site specific EMP with mitigation measures and budget prepared by a NABET accredited EIA consultancy.
4. Details with size and length of diversion arrangements proposed for storm water including details of silt removal /settling facility proposed.
5. Proposed diversion arrangements for seasonal stream/thodu flowing through the mining area and their impact on drainage adequacy of the area.
6. Precautions/preventive measures suggested for preventing pollution problems to nearby temple and houses situated within 100 m of the project area are not satisfactory.

Item No.24 Environmental Clearance for Silica Sand mining of Smt. S Jayasree for an area of 1.0552 Ha. (2.6074 Acres) at Sy. Nos. 58/11B1, 58/11B2, 58/14 in Panavally Village, Cherthala Taluk, Alappuzha. (SIA/KL/MIN/45722/2019, 1591/EC4/2020/SEIAA)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. As per the application, the proposed area is 1.0552Ha whereas the revised Mining Plan is only for 0.9157 Ha. The Project cost is Rs. 391.45 Lakhs. As per the revised Mining Plan, the proposed area is generally flat, the highest elevation is 5.22m to AMSL and the lowest elevation is 3.27m AMSL. The life of mine is 5 years. The minable quantity proposed is 25,390.80 T with a recoverable quantity of 24,121.26 T. The generation of top soil mentioned is 752.32 T. The Committee also found that the Edappangazhi Sreekrishna Temple and many built structures located near to the mine site. Considering the nearness to the temple and the houses, the mining up to a depth of 3m without adequate buffer is not desirable. **Therefore, the Committee decided to recommend EC for 5 years for the mining of silica sands subject to the following Specific Conditions for a depth of 2m bgl strictly maintaining a buffer of 15m between the project boundary and built structures. The EC may be issued after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. The depth of mining should be limited to 2m bgl strictly maintaining a buffer of 15m between the project boundary and built structures.
2. The excavation activity should not involve blasting.
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.

7. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
9. Workers/laborers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
11. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).

Item No.25 **Environmental Clearance for the Granite building stone quarry project of M/s. Crushed Metal Products, Managing Partner, Shri Aju Varghese for an area of 0.8250 Ha, at Re-Survey Nos. 329/3, 329/4, 329/6, 336/2, 330/8, 336/6 of Vellinezhi Village, Ottappalam Taluk, Palakkad.**
(SIA/KL/MIN/457432/2024, 2507/EC2/2024/SEIAA)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. As per the documents submitted, the depth to water table is 11 m bgl at 89m AMSL. As per the Cluster Certificate dated 05/06/2024, there is an adjacent working quarry near to the proposed area with an extent of 1.1676 Ha thereby, the total area within the 500 m radius cluster is less than 5 Ha. Therefore, **the Committee decided to direct the PP to submit Comprehensive EMP prepared by a NABET accredited considering the nearby project area.**

Item No.26 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Muhammed Ali for an area of 0.4046 Ha at Block No.38, Re Survey No: 372/12 in Oorakam Village, Tirurangadi Taluk, Malappuram. (SIA/KL/MIN/457543/2024, 2504/EC1/2024/SEIAA)**

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. As per the documents submitted, the depth to water table is 9 m below ground level at a spot having elevation of 123m above MSL. As per the application,

the total production of the mine is 50,576 MT with annual production of 16,863MT in the first two years and 16850MT in the third year. The life of mine is 3 years. The total project cost is Rs 12,90,150/-. A temple is located at a distance of 52.4m and the distance to nearest house is 62.9m. The depth to water table is 7m below ground level at 125m above MSL. The distance to medium hazard zone is 2 km. As per the cluster certificate dated 27/11/2023, there is no cluster situation. **Based on discussion, the Committee decided to recommend EC for mine life of 3 year subject to the following Specific Conditions in addition to the General Conditions.**

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

Item No.27 Environmental Clearance of Existing Granite Building stone Quarry- of Sri. M.I Mohammed for an area of 4.7134 Ha at Block No. 29 , Sy. Nos. 301/2, 285/1-2 in Mazhuvannur village and Block No. 28, S.F.Nos. 410/8-2, 410/7-2, 410/5-2 Arackappady Village, Mazhuvannur Grama Panchayath, Kunnathunad Taluk, Ernakulam.
(SIA/KL/MIN/63669/2019, 1925/EC3/2021/SEIAA)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. The PP submitted plan for removal of the isolated rock block with jointed and fractured structures in the proposed area. As per the application, the mineable reserve is 23,15,157 MT with an average annual production of 1,36,186 MT. The project cost is 4.5 Crores. The life of mine is 17 years. The highest elevation of the proposed area is 120 m MSL and the lowest elevation is 50 m MSL. As per the presentation, the distance to the moderate hazard zone is 23.10 km. The depth to water table is 1.3-7m bgl (Mean value 5bgl). The nearest house located more than 200 m away as observed during field inspection dated 02/11/2023. The TOR for the proposal was approved Vide letter No. 1518/EC4/2019/SEIAA dated 06.08.2020. **Based on discussion, the Committee decided to recommend EC for 17 years subject to the following Specific Conditions in addition to the general conditions. The EC may be issued after the submission of NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.**

1. Abandoned crusher unit located at 35m away from BP5 should be removed before the project starts
2. A temporary wall of 5m height should be erected at the boundary where houses are located to avoid disturbance and nuisance to the nearby residents.
3. The green belt should be initiated prior to the commencement of mining using indigenous species.
4. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
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. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites.
8. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.

9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
10. Implementation of CER Plan should be done during the first two years of the EC period itself and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. 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.
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 5.00 pm).
15. Adequate sanitation, waste management and restroom 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. The 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. dump plan.
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

PARIVESH FILES (Ver-1)
CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE
PART-2

Item No.01 **Environmental Clearance for the Commercial Complex Project of Sri. Mohamed Fazeem.P, Designated Partner, M/s Thamarassery Lands LLP at Sy. No. 2/1B (Re Sy. Nos. 2/793,794,795,796) in Kedavur Village, Thamarassery Taluk, Kozhikode (SIA/KL/INFRA2/447068/2023, 2423/EC2/2023/SEIAA)**

The Committee examined the proposal and discussed the field inspection report conducted on 23/05/2024 and noted the following salient aspects in the field.

1. The project site falls in two levels, with a height difference of 25 meters.
2. There are abandoned quarry pits in the project site.
3. There is a 110 KV HT line passing through the site.
4. There are 4 old buildings (temporary) with a total built-up area of about 300 sq.m. (used for coir pith selling) in the project site.
5. Three entry/exit points are marked in the proposal.
6. The nearest medium hazard zone area is about 0.5 km (NW) from the project site.
7. The nearest flood zonation area is 0.6 km (SW) from the project site.
8. Malabar Wildlife Sanctuary is 7.3 Kms from the project site

Based on the above observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application:

1. Proof of application submitted to the NBWL for Wild Life Clearance as the Malabar Wild Life Sanctuary is located 7.3 Kms from the project site.
2. Detailed CER proposal as per norms/guidelines in the SEIAA website as there is no CER plan furnished along with the application and the CER particulars suggested during the presentation was not satisfactory.
3. Detailed inventory of the groundwater sources including yield attributes and sustainability characteristics certified by a reputed hydrogeologist and details of alternate sources, if any as the water requirement estimated for the commercial complex during the operational phase is 328 KLD and the proposed source is two wells.
4. Horizontal and Vertical setback distances of the HT line (110KV), passing through the project site along with KSEB distance norms.
5. NOC from the KSEB considering the 110 KV HT line passing through the project area
6. Details regarding the engineering design and other provisions to facilitate the differently-abled citizens.
7. Detailed provisions for the accommodation the employees and the provisions for drinking water, sanitation and waste management, medical emergencies for them as 1200-man days are suggested during the construction phase.

8. End user certificate for the utilization of the excavated earth/soil of 43,157 cu.m. that will be taken out of the project site along with the purpose and location of utilization..
9. Provisions for increasing the parking space needed as the proposed parking space is found inadequate as around 11600 visitors are expected in the commercial complex during peak hours/days.
10. Traffic density of the Highway, along with a traffic management plan / operational plan for avoiding traffic gongestion in the area of the commercial complex
11. Location and engineering details of the seven recharge pits suggested for rainwater harvesting.
12. Revised proposal for enhancing the proposed rainwater facility of 500 KL as it is proposed to drain out an estimated quantity of 17,000 KL of rainwater (about 50%) to the channel located on the north side, which finally drains to Cherupuzha.
13. Standard protocol and feasibility for using the plastic and other non-biodegradable solid waste along with coal tar for the construction of internal roads as proposed in the project.
14. Details of the engineering plan for strengthening the cut face of the project site having two different altitudinal levels (altitudinal difference of 25 meters).
15. Feasibility report for an additional entry/exit point to the road on the northern side (opposite the National Highway).
16. Clarification as to how the elevation difference of the site is addressed in the conceptual plan of the project.
17. Detailed plan for installation, operation & maintenance of biodegradable, non-biodegradable, biomedical (sanitary) and e-waste.

Item No.02 **Environmental Clearance for the Proposed Residential Project at Sy. Nos. 253/10, 253/9, 253/11, 253/12-3, 253/18-2, 253/6, 253/4, 253/16-2-1, 253/16-3, 253/16, 253/16-2, 255/2-1, 253/16-1, 255/11-1, 255/11-2, 255/11-3, 255/11-4, 255/11-6, 255/1, 253/4, 255/2-2, 255/2, in Kazhakkootam Village, Thiruvananthapuram Municipal Corporation, Taluk & District, Kerala to be developed by M/s Shanoor Projects & Realtors Pvt. Ltd. (SIA/KL/INFRA2/453077/2023, 2478/EC3/2023/SEIAA)**

The Committee decided to defer the item for detailed scrutiny in the next meeting

Item No.03 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Ashraf. P for an area of 2.3203 Ha at Re.Sy.No.172 in Kodyathur Village, Kozhikode Taluk, Kozhikode (SIA/KL/MIN/138725/2020 1653/EC4/2020/SEIAA)**

The Committee considered the proposal referred back by the 142nd meeting of the SEIAA with direction to SEAC to re-examine the proposal regarding the applicability of EIA studies considering the fragility of the area and to the Proponent to submit the NOC from the District Level Crisis Management Group for mining constituted vide G.O. (Rt) No. 542/14/ID dated

26.05.2014 as a portion of the mining area falls in the moderate hazard zone. **Though the Committee appraised the proposal and recommended it after considering the environmental aspects based on the documents uploaded by the project proponent and details gathered by the SEAC, the Committee decided to re-examine the proposal as directed by the Authority. Therefore, the Committee decided to defer the proposal to the next meeting.**

Item No.04 Environmental Clearance for the Mining of Building Stone Quarry project of Sri. Saji Abraham for an area of 1.4718 Ha at Sy. Nos. 917/3B2-2, 917/3B, 917/3B-2, 917/3B1, 917/4-2-3, Kalloorkkad Village, Muvattupuzha Taluk, Ernakulam (SIA/KL/MIN/288750/2022, 2129/EC3/2022/SEIAA)

The Committee examined the proposal and discussed the field inspection report conducted on 26.06.2024. The Committee noted that the water level in the nearby old quarry is at 35msl and that there is no seepage found along the sides of the quarry. Therefore, there is no possibility for intersection of groundwater due to mining up to a depth of 40m above MSL. **Based on discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application:**

1. Compensatory afforestation plan along with geo-tagged photograph of the proposed site, species proposed to be planted and ownership details of the proposed site
2. Lay-out and protection plan for OB dump site
3. Modified CER as per the SEIAA guidelines
4. Comprehensive EMP prepared by a NABET accredited Agency (considering the adjacent quarries)
5. Revised Project Cost
6. Detailed traffic study and transportation feasibility through the proposed roads
7. Drainage plan with connection to natural stream
8. Road development plan
9. Energy conservation plan
10. Rainwater harvesting plan
11. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.05 **Environment Clearance for the Granite Building Stone Quarry project of M/s RDR Crushers Pvt. Ltd., at Block No.48, Re-Survey 404/1, 404/2, 404/2-1, 404/2-6, 404/3, 404/3-2, 404/4, 404/4-2, 404/4-2-2, 415/2, 415/2-2, 415/3, 415/6, 415/6-2, 415/7, 526/1 in Chengalam East Village, Kottayam Taluk, Kottayam (SIA/KL/MIN/417135/2023; 2233/EC3/2023/SEIAA)**

The Committee re-examined the proposal in response to the observations in the 142nd SEIAA meeting. The Committee observed that the nearby stream bed level is 60m above MSL. The old quarry is well above the stream bed and the lowest level of old quarry is at 67m above MSL. As per the observations of the subcommittee, there is no groundwater seepage of the exposed rock phase of the abandoned quarry. Therefore, there is no possibility for groundwater intersection due to mining up to a depth of 75m above MSL. The western boundary of the proposed site marks the highest elevation of the small hill. The house mentioned and other houses are on the other side of the hill. The mining at the proposed site does not affect the wells located on the other side of the hill. Presently there is no house at 50.38m as per the proof submitted by the proponent. **Therefore, the Committee decided to adhere to the decision taken in the 163rd meeting of the SEAC.**

Item No.06 **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 No.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)**

The Committee examined the proposal and discussed the field inspection report conducted on 26.06.2024. The Committee observed that the site is embedded within medium hazard zones and a part of it falls in the medium hazard zone. The site is located in a very steep slope on a hill ridge with series of medium hazard zones. The high hazard zone is at a distance of about 400m. The nature and thickness of soil as well as the geological characteristics of surrounding areas poses serious concern. The Committee noted that the terrain is highly fragile. There are houses and infrastructure developed in both the side slopes and valley portions leading to increased environmental fragility. The Committee also examined the proposal in accordance with Judgement in IA No.1000 of 2003 dated 3rd June 2022 of the Hon'ble Supreme Court of India regarding Precautionary Principle. **Based on detailed discussion, the Committee decided to invoke Precautionary Principle considering the environmental fragility of the site and its surroundings and recommend rejection of the proposal.**

Item No.07 **Environmental Clearance for the Laterite Building Stone Quarry of Sri.Ashiq K.C for an area of 0.8761 Ha at Block No.17 , Re Survey Nos: 130/2-3, 2-5, 2-6, 139/1-33, 1-40, 1-41, 1-42, 1-43 in Cheekode Village, Kondotty Taluk, Malappuram (SIA/KL/MIN/438819/2023 , 2376/EC1//2023/SEIAA)**

The SEAC in its 163rd meeting, recommended EC for the project with mine life of 2 years, subject to certain Specific Conditions in addition to the General Conditions. The 142nd meeting of the SEIAA noticed that there is an adjacent quarry for an area of 0.4031 Ha owned by Sri. Abdurahiman Karattuchalil as per the cluster certificate dated 12.07.2023, besides some old mining sites on eastern and southern sides of the proposed area. Therefore, the Authority referred back the proposal to SEAC with a direction to the Project Proponent to submit comprehensive Environmental Management Plan for the entire area and the SEAC shall examine the comprehensive Environmental Management Plan and revise the recommendations, if any. **Accordingly, the Committee directed the Project Proponent to submit a comprehensive Environmental Management Plan for the entire area prepared by a NABET accredited agency.**

Item No.08 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Sasidharan Murikyal for an area of 0.1942 Ha at Re-Survey No. 46/933 in Kalliad Village, Iritty Taluk, Kannur (SIA/KL/MIN/445528/2023, 2431/EC4/2023/SEIAA)**

The SEAC in its 163rd 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 there are other laterite building stone quarry proposals near the proposed site and therefore, decided to refer the proposal back to SEAC to re-examine the proposal and revise the recommendations considering the following:

1. Comprehensive EMP and drainage plan by considering the adjacent quarries.
2. Specific conditions for the management of top soil and the laterite waste.

The Committee re-examined the proposal as per the decision of 142nd SEIAA meeting and decided to direct the PP to submit the following additional documents.

1. Comprehensive EMP and drainage plan by considering the adjacent quarries prepared by a NABET accredited agency.
2. Detailed proposal for the management of top soil and the laterite waste.

Item No.09 **Environmental Clearance for Laterite Building Stone quarry of Sri. Manikandan P V for an area of 0.3316 Ha. at Survey No-65/1-1, 65/8 in Anakkara Village, Pattambi Taluk, Palakkad, Kerala. (SIA/KL/MIN/453860/2023, 2476/EC3/2023/SEIAA)**

The Committee examined the proposal and discussed the field inspection report conducted on 30/05/2024. The Committee observed that an abandoned laterite quarry is adjacent to the site and a proposal (SIA/KL/MIN/454085/2023, 2479/EC3/2023/SEIAA) is under consideration

owned by the same Project Proponent. **Based on the above observation and discussion, the Committee decided to direct the Proponent to submit Comprehensive EMP and drainage plan for both projects prepared by a NABET Accredited agency.**

Item No.10 **Environmental Clearance application for Laterite Building Stone Quarry of Sri. Abdul Asees K.P., for an area of 0.4856 Ha. at Block No:37, Re-Survey No:32/177 in Kuttoor Village, Payyannur Taluk, Kannur. (SIA/KL/MIN/453983/2023, 2490/EC4/2024/SEIAA)**

The Committee re-examined the proposal as per the decision of 142nd SEIAA meeting and noted that there is an adjacent quarry sharing boundary to the proposed site having the same survey numbers. **Hence, the Committee decided to direct the PP to submit the following additional documents.**

1. Comprehensive EMP and drainage plan by considering the adjacent quarries prepared by a NABET accredited agency.
2. Detailed proposal for the management of top soil and the laterite waste.

Item No.11 **Environmental Clearance for Laterite Building Stone quarry of Sri. Manikandan P V for an area of 0.8679 Ha. at Survey No-65/1-1, 65 in Anakkara Village, Pattambi Taluk, Palakkad, Kerala. (SIA/KL/MIN/454085/2023, 2479/EC3/2023/SEIAA)**

The Committee examined the proposal and discussed the field inspection report conducted on 30/05/2024. The Committee observed that an abandoned laterite quarry is adjacent to the site and a proposal (SIA/KL/MIN/453860/2023, 2476/EC3/2023/SEIAA) is under consideration owned by the same Project Proponent. **Based on the above observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents.**

1. Comprehensive EMP and drainage plan for the both the adjacent projects prepared by a NABET Accredited agency.
2. Modified CER as per the guidelines uploaded in the SEIAA –Kerala website.
3. Depth to water table in the nearest dug well along with its distance from the project boundary and geo-tagged photographs of the well.

Item No.12 **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Jabir C.P., for an area of 0.1942 Ha at Block No: 37, Re Survey No: 32/177 in Kuttoor Village, Payyannur Taluk, Kannur (SIA/KL/MIN/454094/2023, 2492/EC4/2024/SEIAA)**

The Committee re-examined the proposal as per the decision of 142nd SEIAA meeting and noted that there is an adjacent quarry sharing boundary to the proposed site having the same survey numbers. As per the Google imagery, the distance to the adjacent site is around 50m.

Hence, the Committee decided to direct the PP to submit the following additional documents.

1. Comprehensive EMP and drainage plan by considering the adjacent quarries prepared by a NABET accredited agency.
2. Detailed proposal for the management of top soil and the laterite waste.

Item No.13 Environmental Clearance for Laterite Building Stone Quarry project of Sri. Hussain Machinchery for an area of 0.9928 Ha, at Re-Survey Nos. 307/1A in Anakkara Village, Pattambi Taluk, Palakkad, Kerala (SIA/KL/MIN/454514/2023, 2496/EC3/2023/SEIAA)

The Committee examined the proposal and discussed the field inspection report conducted on 30/05/2024. It is noted that an abandoned laterite quarry is adjacent to the site. There are two other sites for laterite excavation situated very close to this site. They have environmental clearances, but mining has not yet started. There is a private road to this site, but it ends at this site. If mining occurs, one side of the road has a very steep incline. **Based on these observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application:**

1. Revised site specific Comprehensive EMP considering all the mining spots existing and proposed adjacent to the site and incorporating CER by NABET accredited Agency.
2. Recent Cluster Certificate.
3. Modified CER as per the guidelines uploaded on the SEIAA –Kerala website.
4. Depth to water table in the nearest dug well along with its distance from the project boundary and geo-tagged photographs of the well.
5. Revised comprehensive drainage plan

PARIVESH FILES (Ver-1)
CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE
PART-3

Item No.01 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Najeeb U P for an area of 0.9954 Ha, at Re-Survey Nos. 67/1101, 1188 in Kakkad Village, Kozhikode Taluk, Kozhikode (SIA/KL/MIN/428457/2023, 2345/EC2/2023/SEIAA)

The Committee decided to defer the item for detailed scrutiny in the next meeting

Item No.02 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Sabju V for an area of 0.3349 Ha at Re-Survey No.33/79 in Kakkad Village, Kozhikode Taluk, Kozhikode (SIA/KL/MIN/429438/2023, 2326/EC4/2023/SEIAA)

The Committee decided to defer the item for detailed scrutiny in the next meeting

Item No.03 Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Noushad C.P for an area of 0.5696 Ha at at Re-Survey Nos. 172/3009, 172/3010 in Kodyathoor Village, Kozhikode Taluk, Kozhikode (SIA/KL/MIN/431401/2023, 2346/EC2/2023/SEIAA)

The Committee decided to defer the item for detailed scrutiny in the next meeting

Item No.04 Environmental Clearance for the Laterite Building Stone Quarry project of Sri.Ullas T.K, for an area of 0.1909 Ha at Re-Survey No.67/977, 979 in Kakkad Village, Kozhikode Taluk, Kozhikode (SIA/KL/MIN/431974/2023, 2347/EC2/2023/SEIAA)

The Committee decided to defer the item for detailed scrutiny in the next meeting

Item No.05 Environmental Clearance for Granite Building Stone Quarry project of M/s Jesus Granites Pvt. Ltd. for an area of 1.4781 Hectare at Survey No. 911/1-5, 916/3, 916/3-2, 916/3-3, 916/3-4 in Kallorkad Village, Muvattupzha Taluk, Ernakulam. (SIA/KL/MIN/276958/2022, 2049/EC3/2022/SEIAA)

The Committee decided to defer the item for detailed scrutiny in the next meeting

Item No.06 **Environmental Clearance for the Granite Building Stone quarry project of Sri. M.D George, M/s Ernad Associates for an area of 3.5950 Ha at Re Sy Block No.27, Re Sy Nos.37/8, 39/11-3, 39/11-2, 39/11, 43/1-2, 43/2, 42/4-5, 43/1 in Urangattiri Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/53095/2020 , 1668/EC6/2020/SEIAA)**

The Committee decided to defer the item for detailed scrutiny in the next meeting

Item No.07 **Environmental Clearance for the Granite Building Stone Quarry of Sri.Sinoj Thomas, M/s Chettikkattu Granites over an extent of 2.3310 Ha. at Re-Sy no.193 in Maloth Village, Vellarikkund Taluk, Kasaragod (SIA/KL/MIN/441694/2023, 2412/EC4/2023/SEIAA)**

The Committee examined the proposal and discussed the field inspection report conducted on 30/05/2024 and observed the following salient aspects in the field.

1. Close to Kottanchery forest adjoining Coorg Hills and nearer to Tala Cauvery Wild Life Sanctuary.
2. The site falls in a landslide hazard zone very close to the high landslide hazard zone.
3. It is observed that Explosive license is not issued taking into consideration the possibility of the forest and wildlife disturbance.
4. Neither the certificate from the Wild Life Warden nor the proof of application submitted to the NBWL is found submitted.
5. As per the biodiversity assessment report, there are no RET species observed within the proposed area and the area is no longer able to sustain wildlife and the area is not an ecologically significant one. The site form part of a typical interior village with moist deciduous type of vegetation.
6. Two small non-perennial natural streams flow through either side of the proposed site. The stream on the south is just near the project boundary and the stream on the north side is less than 50m from the project boundary.
7. There are complaints against mining in the location.
8. Explosive license is issued by Deputy Chief Controller of explosives on 9.2.2023 with validity up to 31.03.2027. Earlier, the District Collector did not give NOC for explosives.
9. Proceedings of the District Magistrate and District Collector, Kasaragod dated 20.1.2022 in File No. DCKSGD/1379/2019-D5 detailing elaborately the reason for rejection of the application for NOC for explosive license and highlighting the environmental fragility of the proposed area
10. Minutes of the District Disaster Management Authority, Kasargod dated 6.11.2021 highlighting the hazard prone nature of the proposed site as reason for rejecting the application for NOC for explosive license
11. Lr. No. DOK/1916/M/2021 dated 3.11.2021 of the Geologist, Kasaragod District to the District Collector, Kasaragod detailing the nature of slope and hazardous nature of the area where the proposed site is located based on the site inspection carried out.

12. Lr. No. GWK/1290/2021 dated 3.11.2021 of the District Officer, Ground Water Department, Kasaragod District to the District Collector, Kasaragod detailing the fragile nature of the land including the area in which the proposed site is located based on the site inspection carried out.
13. Lr. No. KGA4/2972/21 dated 11.1.2022 of the DFO, Kasaragod to the District Collector, Kasaragod detailing the environmental and ecological fragility of the area in which the site is located
14. There are appreciable number of boulders and reports of their rolling down causing local concern
15. There are reports of landslides in Talacauvery region.
16. A petition to cancel the Environment Clearance is submitted to SEIAA which is dealt in File No. 2242/EC2/2020/SEIAA, a decision is on which is to be ascertained.
17. It is reported that a petition has been filed in the Honorable Kerala High Court with case number WPC 20506/20, the status of which is to be ascertained.
18. It is reported that there is another case challenging the explosive license with case number WPC 25799/2023.
19. The Proponent has not disclosed any pending litigation against the project in his application.

In addition to the above observations, the Committee noted the following aspects.

1. In anticipation of the environmental harm due to the proposed activity based on scientific uncertainty, justified concern of concrete danger and the potential of risk involved, it is necessary to invoke the principle of precautionary principle in this case.
2. The judgement of the Hon'ble Supreme Court of India in IA No.1000 of 2003 dated 3rd June 2022 underlined the necessity of following the Precautionary Principle when and where there is situation that may lead to irreparable damage to environment after an activity is allowed to go ahead and if it is stopped, there may be irreparable damage to economic interest. The Hon'ble Court held that in case of a doubt in such situations, protection of environment would have precedence over economic interest.

Based on the above observations, the Committee decided to recommend rejection of the proposal invoking Precautionary Principle.

PARIVESH FILES (Ver-2.O)

PART-1

Item No.01 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Sivankutty. K, for an area of 0.9988 Ha at Block no. 24, Re-Sy Nos. 431/10pt, 431/11pt, 431/7pt & 431/14pt in Ummannoor Village, Kottarakkara Taluk, Kollam District. (SIA/KL/MIN/462319/2024)**

As invited, the Project Proponent Sri. Sivankutty. K and RQP Sri. VK Roy were present. The RQP made the presentation. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Revised EMP prepared by a NABET accredited Agency.
2. Details of overburden and top soil storage including the area and height proposed with detailed protection measures.
3. Revised Compensatory afforestation plan along with geo-tagged photograph of the proposed site and species proposed to be planted.
4. Revised CER proposal as per the guideline published in the website of SEIAA.
5. Biodiversity Assessment Report.
6. Depth to water table in the nearest dug well to the site along with geotagged photograph of the well site and distance to the well
7. Soil profile plotted across and along the project area
8. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.02 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Philip Tom, for an area of 3.9353 Ha at Re- Sy No. 684 (Un Survey), 681/3(Un Survey), 681/2(Un Survey) in Thiruvambady Village, Thamarassery Taluk, Kozhikode (Proposal No.SIA/KL/MIN/467823/2024)**

As invited the project proponent Sri. Philip Tom and RQP Dr. Nazar Ahamed K. V were present. The RQP made the presentation. **Based on discussion, the Committee decided to direct the PP to submit revised EMP prepared by a NABET accredited Agency and also entrusted Prof. V. Gopinathan and Dr. C. C. Harilal to conduct a field inspection and report.**

Item No.03 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Ajayan Joseph for an area of 0.6993 Ha at Re-Block No. 61, Re-Survey Nos. 49/4-1, 49/14 in Pookkottukavu Village, Ottapalam Taluk, Palakkad District (SIA/KL/MIN/470038/2024)**

As invited the project proponent Sri. Ajayan Joseph and RQP Dr. Nazar Ahamed K.V were present. The RQP made the presentation. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Revised EMP prepared by a NABET accredited Agency.
2. Revised Compensatory afforestation plan along with geo-tagged photograph of the proposed site and species proposed to be planted.
3. Depth to water table in the nearest dug well to the site along with geotagged photograph and distance to the well
4. Soil profile plotted across and along the project area
5. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.04 **Environmental Clearance for the Building and Construction project, M/s. Oceanus Emerald Enclave of Sri. Mr. Thomas P. K at Survey Nos 242/17, 244/2, 244/3, 244/4, 244/5, 244/6, 244/8, 244/8-1, 244/9, 250/1, 250/2-1, 250/2-2 in Attipra Village, Thiruvananthapuram Taluk, Thiruvananthapuram. (SIA/KL/INFRA2/469908/2024)**

As invited, the Project Proponent Sri. Thomas P. K. and the EIA Consultant, Smt. Ananthitha attended. The EIA Consultant made the presentation. The Committee observed the following shortcomings in the proposal.

1. Modified emergency exit plan/Modified emergency evacuation plan.
2. Revised rear side entry plan.
3. Proposal for vertical gardening and other greening provisions.
4. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Based on discussion, the Committee decided to entrust Er. M. Dileepkumar and Dr. A. Bijukumar for field inspection and report.

Item No.05 **Environmental Clearance for the Granite Building Stone Quarry of Sri. B. Sreekandan, for an area of 10.4881 Ha at Block No. 38, Re- Sy No. 227/1, 227/1-1, 227/1-2, 227/7, 227/18, 228/3, 228/4, 228/5, 228/6, 228/7, 228/10, 228/12, 228/13, 228/14, 228/17, 228/18, 228/19, 228/20, 228/21, 229/4, 229/16, 229/17, 264/3, 264/6, 264/6-1, 264/8, 264/9, 264/9-1, 264/10, 264/10-1, 264/11-1, 265/3, 265/4, 265/8, 265/9 in Anavoor Village, Neyyattinkara Taluk, Thiruvananthapuram. (SIA/KL/MIN/461000/2024)**

As invited, the Project Proponent Sri. B. Sreekandan, RQP Sri. V.K. Roy and the EIA consultant, Smt. Ananthitha of M/s. Ultratech were present. The EIA Consultant made the presentation. The proposed site is of area 4.1573 Ha and EIA study has been carried out and public hearing conducted. The Committee observed the following shortcomings:

1. Revised compensatory afforestation plan along with geo-tagged photographs of the proposed site and species proposed to be planted.
2. Depth to water table measured in the nearest open well to the site with geotagged photographs of the site, distance to the well from the project boundary and elevation of the well site.
3. Baseline environmental data is not found uploaded
4. Details regarding the proof of application submitted for wildlife clearance
5. Proposal for specific protection of the site against the steep slope covering the boundary connecting boundary pillars BP29-BP30-BP31-BP34-BP35 and BP36
6. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

The Committee decided to entrust Er. M. Dileepkumar and Dr. A. Bijukumar for evaluation of the EIA report, field inspection and report.

Item No.06 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Joby Jose, for an area of 1.0705 Ha at Block No. 15, Re- Sy No. 207 in Kurupuzha Village, Nedumangad Taluk, Thiruvananthapuram District. (SIA/KL/MIN/470914/2024)**

As invited the project proponent Sri. Joby Jose and RQP V. K Roy were present. The RQP made the presentation. Based on discussion, the Committee decided to direct the Proponent to submit the following documents:

1. Revised EMP prepared by a NABET accredited Agency.
2. Contour map generated with 1m interval, Digital Elevation Model Map, Slope map, Ortho map of 5m interval generated through drone survey using LIDAR over the proposed project area and outside it up to about 500m distance all around.
3. Depth to water table in the nearest dug well along with distance to the well and geotagged photograph of the well site
4. Compensatory afforestation plan along with geo-tagged photographs of the proposed site and species proposed to be planted.

5. Detailed drainage plan
6. Soil profile plotted across and along the project area
7. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.07 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Deepak Cheerothy, for an area of 0.9601 Ha at Survey No. 40/1K pt in Parappa Village, Vellarikundu Taluk, Kasaragod (SIA/KL/MIN/464326/2024)

As invited the Project Proponent Sri. Deepak Cheerothy and the EIA Consultant Dr. A. Dhamodharan were present. The consultant made the presentation. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Contour map generated with 1m interval, Digital Elevation Model Map, Slope map, Ortho map of 5m interval generated through drone survey using LIDAR over the proposed project area and outside it up to about 500m distance all around.
2. Modified compensatory afforestation plan along with geo-tagged photograph of the proposed site and species proposed to be planted.
3. Recent Survey map certified the Village Officer indicating all the houses and built structures within 200 m distance from the project boundary.
4. Revised EMP with budget prepared by a NABET accredited consultant.
5. Revised CER as per the guideline published in the website of SEIAA.
6. Soil profile plotted across and along the project area
7. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.08 Environmental Clearance for the Granite Building Stone Quarry Project of Sri Hamsa. M. K, Managing Partner, M/s. Kayiliad Granites, for an area of 1.7029 Ha at Re-survey Block No. 46, Re-Survey Nos. 316/1-2, 317/1, 317/4, 318/1-3 in Chalavara Village, Ottappalam Taluk, Palakkad District. (SIA/KL/MIN/456096/2024)

As invited the project proponent Sri Hamsa.M.K and RQP D. P Sreekumar were present. The RQP made the presentation. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Revised EMP with budget prepared by a NABET accredited consultant.
2. Contour map generated with 1m interval, Digital Elevation Model Map, Slope map, Ortho map of 5m interval generated through drone survey using LIDAR over the proposed project area and outside it up to about 500m distance all around.
3. Soil profile along and across the project site.

4. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.
5. Distance to the nearest wildlife sanctuary as depicted in the google imagery
6. Compensatory afforestation plan along with geo-tagged photographs of the proposed site and species proposed to be planted.
7. Detailed drainage plan
8. Soil profile across and along the project site

Item No.09 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Purushothaman K for an area of 0.1942 Ha at Block no.109, Re-Survey No. 53/207, 53/208 in Kandamkunnu Village, Thalassery Taluk, Kannur District. (SIA/KL/MIN/475552/2024)

As invited the Project Proponent of Sri. Purushothaman K and RQP VK Roy were present. The RQP made the presentation. The RQP presented comprehensive EMP considering the adjacent quarry of Sri. Manoj Kumar. A house is located at a distance of 52.6 m from the project site. As per the application, the total mineable reserve is 24,275 MT. The life of mine is 1 year. The project cost is 5.88 Lakhs. The highest elevation of the proposed area is 139m AMSL and the lowest elevation is 137m AMSL. The depth to water table is 8m below ground level at 125 m AMSL. The distance to medium hazard zone is 1.47km and the distance to high hazard zone is 4.9km. **Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.

12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
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 5.00 pm).
16. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.10 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Mohammed Sulaiman for an area of 0.3111 Ha at Block No.210, Re-Survey No. 2/2 in Padiyoor Village, Iritty Taluk, Kannur District.(SIA/KL/MIN/476269/2024)

As invited the Project Proponent of Sri. Mohammed Sulaiman and the RQP VK Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 42,776MT. The life of mine is 2 years. The project cost is Rs.7.647 Lakhs. The highest elevation of the proposed area is 237m AMSL the lowest elevation is 236m AMSL. The depth to water table is 8m bgl at 163 m AMSL. During the presentation the Project Proponent conveyed that there is a temporary shed at a distance of 10m which will be demolished prior to the commencement of mining. The distance to medium hazard zone is 140.5m and the distance to high hazard zone is 5.8km. The Cluster certificate dated 15-5-2024 states that there is no quarry with permit working within a 500m radius. **Based on discussion, the Committee decided to recommend EC for mine life of 2 years subject to the following Specific Conditions in addition to the General Conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.

10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
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 5.00 pm).
16. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.11 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Abdulla Maliyekkal, for an area of 0.9884 Ha at Block No. 18, Re- Sy No. 479/2-1 in Vazhakkad Village, Kondotty Taluk, Malappuram District. (SIA/KL/MIN/476637/2024)

As invited the project proponent Sri. Abdulla Maliyekkal and RQP D. P Sreekumar were present. The RQP made the presentation. The Proponent has not submitted the cluster certificate from the Mining & Geology Department. The site is located in the Mudakkoimala region where there are reports of dust pollution, problems due to lack of proper drainage, non-closure of mined out areas, possibility to soil piping etc. **Therefore, the Committee decided to direct the Proponent to submit the following documents.**

1. Cluster certificate from the Mining & Geology Dept.
2. Revised EMP with budget prepared by a NABET accredited consultant.
3. Contour map generated with 1m interval, Digital Elevation Model Map, Slope map, Ortho map of 5m interval generated through drone survey using LIDAR over the proposed project area and outside it up to about 500m distance all around.
4. Soil profile along and across the project site.
5. Detailed lithological section with photographs
6. Detailed drainage map of the area and drainage plan of the proposal to avoid water stagnation in the project site
7. Details of roads leading to the proposed project site depicted in a map
8. Detailed geological map of the project site and its surroundings up to a distance of 500m from the project boundary with special reference to soil piping study prepared by an experienced and reputed geologist

Item No.12 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Sajeesh P for an area of 0.2023 Ha at Block no. 40, Re-Survey No. 178/105 in Perigome Village, Payyannur Taluk, Kannur District. (SIA/KL/MIN/477310/2024)

As invited the Project Proponent of Sri. Sajeesh P and the RQP VK Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 17702 MT. The life of mine is 1 year. The Project cost is Rs. 5.201 Lakhs. The highest elevation of the proposed area is 146m AMSL and the lowest elevation is 144m AMSL. As per the presentation, there are no built up structures within 50 m radius. The depth to water table is 8m bgl. The distance to medium hazard zone is 1.33km and the distance to high hazard zone is 7.25km. The Cluster Certificate dated 17/05/2024 does not indicate any working quarry with permit within 500m radius. **Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:**

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

16. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.13 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Purushothaman K for an area of 0.1942 Ha at Block no.109, Re-Survey No. 55/111 in Kandamkunnu Village, Thalassery Taluk, Kannur District. (SIA/KL/MIN/477387/2024)**

As invited the Project Proponent of Sri. Purushothaman K and the RQP VK Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 26,703 MT. The life of mine is 1 year. The project cost is Rs. 6.505 Lakhs. The highest elevation of the proposed area is 135m AMSL and the lowest elevation is 133m AMSL. The depth to water table is 8m bgl. The distance to nearest built structure is 58.2m. The distance to medium hazard zone is 1.26km and the distance to high hazard zone is 4.7km. The Cluster Certificate dated 18-3-2024 states that, no working quarry with permit working within 500m radius. However, the Committee noted that environmental clearance has been issued on 1.2.2024 to a Laterite (Building Stone) Quarry in Block no:109, Re-Survey No. 53/135 of Kandamkunnu Village, Thalassery Taluk, Kannur District, Kerala for an extent of 0.3880 Ha in the name of Sri. Pradeep K (SIA/KL/MIN/412267/2022) which is located adjacent to the proposed quarry. This is not stated in the Cluster Certificate or in the application. **Therefore, the Committee decided to seek clarification from the Proponent for hiding the fact. The Committee also noted that the RQP has not submitted comprehensive Environment Management Plan as directed by the SEIAA in its 142nd meeting.**

Item No.14 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Sebastian George for an area of 0.1769 Ha at Block No. 39, Re Survey Nos. 38/103 (38/6Pt), 38/7 in Peringome Village, Payyannur Taluk, Kannur District. (SIA/KL/MIN/479007/2024)**

As invited the Project Proponent of Sri. Sebastian George and the RQP VK Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 24,324 MT. The life of mine is 1 year. The project cost is Rs. 5,38,800/-. The highest elevation of the proposed area is 133m AMSL and the lowest elevation is 130m AMSL. The depth to water table is 8m BGL at 122 m AMSL. The distance to nearest built structure is 74.2 m. The distance to Medium Hazard Zone is 2.3km and the distance to High Hazard Zone 7km. The cluster certificate dated 17-5-2024 states that, there is no quarry with permit working within 500m radius of the proposed site. **Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following Specific Conditions in addition to the General Conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area

4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
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 5.00 pm).
16. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.15 **Environmental Clearance for the Ordinary Earth Removal Project of Sri. Suresh K.K, for an area of 0.5722 Ha (57.22 Ares) at Block No. 32, Re- Sy No. 383/13-1, 384/9-2-2, 384/13-2-2, 384/10, 384/22, 384/23 in Mazhuvannoor Village, Kunnathunad Taluk, Ernakulam District. (SIA/KL/MIN/469574/2024)**

As invited the project proponent Sri. Suresh K and the RQP Sri. C. Balaraman were present. The RQP made the presentation. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Details regarding the type of land to be filled.
2. The end-user details including the original letter of contract and the copy of the actual contract for the utilization of ordinary earth.
3. Maximum depth of excavation at each spot along and across the proposed area
4. Impact of excavation of soil on the three houses located at around a distance of 17.8m to 18.5m

Item No.16 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Shuhail MVP for an area of 0.4856 Ha at Block no. 47, Re Survey Nos. 15/634, 15/796, 15/797, 15/906 in Pariyaram Village, Thaliparamba Taluk, Kannur District. (SIA/KL/MIN/479698/2024)

As invited the Project Proponent of Sri. Shuhail MVP and the RQP VK Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 48,560 MT. The life of mine is 2 years. The project cost is 14.16 lakhs. The highest elevation of the proposed area 119m AMSL and the lowest elevation is 117m AMSL. The depth to Water table is 8m BGL. The distance to nearest built structure is 68.9m. The distance to medium hazard zone is 1.5km and the distance to High Hazard Zone is 4.7km. As per Cluster Certificate dated 09/05/2024 states that, no quarry is working within 500m radius. **Based on discussion, the Committee decided to recommend EC for mine life of 2 year subject to the following Specific Conditions in addition to the General Conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area
4. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
6. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
8. Workers/laborers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
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 5.00 pm).
16. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No.17 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Prasad C.V for an area of 0.1932 Ha at Block no. 70, Re-Survey Nos. 49/557, 49/895 in Nedyenga Village, Thaliparamba Taluk, Kannur District. (SIA/KL/MIN/479844/2024)**

As invited the Project Proponent of Sri. Prasad C.V and the RQP VK Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 26,566 MT. The life of mine is 2 years. The project cost is 5,98,700/-. The highest elevation of the proposed area is 170m AMSL and the lowest elevation is 168m AMSL. The depth to water table is 6m BGL at 160m AMSL. The distance to nearest built structure is 167.8m. The distance to Medium Hazard Zone is 2.1km and the distance to high Hazard Zone 6km. As per the Cluster Certificate 25-3-2024 states that, there is no quarry working within 500m. However, four adjacent spots with approved mining proposal are shown during the presentation. **Therefore, the Committee decided to direct the proponent to submit Comprehensive EMP considering all the adjacent quarry sites proposed/operated.**

Item No.18 **Proposed Expansion of existing Environmental Clearance for construction of Residential Building Construction project to be developed by Shri. Thankachan Thomas V., M/s Westend Avenue LLP at Block No. 4, T.S. No. 150 Part 1-4, 155 (New Sy. Nos. 155/2, 150/9) in Puthiyangadi Village, Kozhikode Taluk, Kozhikode. (Proposal No.SIA/KL/INFRA2/462908/2024)**

As invited the project proponent Shri. Thankachan Thomas V. and the Consultant, Sri. Jomon of M/s Environmental Engineers & Consultants Pvt. Ltd. were present. The consultant made the presentation. During the presentation, it is informed that the PP is intended to increase the number of dwelling units from 496 to 530 units (addition of 34 dwelling units) within the same FAR area & built-up area by reducing size of some of the units. The FAR is @3.98. The PP submitted clarification regarding the water requirement during the Construction phase. As per the topographical survey plan, topography of the site is flat in nature, there is no construction of basement / lower floors hence no excavation of ordinary earth / soil below the existing ground level. The water table of the area ranges from 0.85-1.9m bgl. The number of towers is reduced to 4 instead of 5. The parking facility was increased space for 731 cars (50 cars increased) and 2,745 sq. m. for two two-wheelers parking facility. As per the application, the total built up area is 1,42,152.70 sq.m. The plot area is 2.6612 ha. The height of the building is 110 meters. The project cost is Rs. 400 crores. The PP obtained the KCZMA clearance dated 26.08.2017 and the site is in CRZ II as per approved CZMP of the state. **Based on discussions the Committee recommended EC for 10 years for the proposal subject to the following Specific Conditions in addition to the General Conditions.**

1. While issuing the EC the change in modification of EC may be intimated to the KCZMA.
2. The FAR norms should be complied strictly.

3. The guidelines for green rating and green building certification to buildings based on green standards issued by Government of Kerala vide GO (MS) No. 39/2022/LSGD dated 25.2.2022 should be adhered to.
4. Green belt surrounding the campus, avenue tree planting, and garden development should commence from the beginning of the construction phase. Suitable local species should be used for green belt and avenue trees.
5. Vegetation should be developed appropriately on the ground as well as over built structures such as roofs, basements, podiums, etc.
6. Adequate safety gadgets and instruments should be provided to the people engaged in the treatment of solid as well as liquid wastes. Periodic checkups regarding the health status of the people should be undertaken.
7. The Kerala Energy Conservation (Building Code) Rules 2017 should be complied with.
8. Energy conservation measures as proposed in the application should be adopted in total. The PP should examine the scope for improving energy conservation measures periodically and should implement the same.
9. Periodic monitoring of water samples from the groundwater sources should be carried out. Adequate treatment methods should be followed to remove the contaminants.
10. The STP should be augmented with SBR, including Tertiary Treatment Unit to ensure quality of treated water for re-use /recycle for flushing / gardening/ firefighting/ recharge of local ground water as per the plan submitted.
11. Treated water from STP should be reused to the maximum extent and balance if any should be discharged through a series of soak pits for recharging the local ground water, and for avoiding discharge of treated water into the nearby public drain.
12. The proponent should implement the drainage plan as proposed.
13. Water efficient plumbing features for saving water use should be adopted as per the plan submitted.
14. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
15. The Project Proponent should make provision for the housing of construction labour with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).
16. Climate responsive design as per Green Building Guidelines in practice should be adopted
17. Exposed roof area and covered parking should be covered with material having high solar reflective index
18. Building design should cater to differently-abled citizens
19. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow

20. Buildings should be barricaded with GI sheets of 6 m. (20 feet) height and provided appropriate protection so as to avoid disturbance to other buildings nearby during construction.
21. Construction work should be carried out during day time only.
22. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
23. All vehicles carrying construction materials should be fully covered and protected.
24. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
25. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
26. Occupational health safety measures for the workers should be taken during the construction.
27. All vehicles during the construction phase should carry PUC certificate.
28. D.G. set should be provided with adequate stack height and regular maintenance should be carried out before and after the construction phase and would be provided with an acoustic enclosure.

Item No.19 Environmental Clearance for the Granite Building Stone Quarry of Sri.Jismon B, M/s. JS BLUE METALS LLP for an area of 0.8595 Ha at Sy No. 1065/1-4, 1065/3-D in Marady Village, Muvattupuzha Taluk, Ernakulam (SIA/KL/MIN/469930/2024)

As invited the Project Proponent of Sri.Jismon B, M/s. JS Blue Metals LLP and the RQP VK Roy were present. The RQP made the presentation. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. Revised EMP with budget prepared by a NABET accredited consultant.
2. Soil profile along and across the project site.
3. Distance to the nearest wildlife sanctuary as depicted in the google imagery
4. Compensatory Afforestation plan with geo-tagged photograph of the proposed site, species details proposed to be planted and ownership details of the proposed land.
5. Detailed drainage plan
6. Detailed CER proposal as per the guidelines published on the SEIAA website.
7. Soil profile across and along the project site
8. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.20 **Environmental Clearance for the Granite Building Stone Quarry Project of Shri. Shaji Mathew, Managing Partner, M/s. Emerald Rocks for an area of 1.7895 Ha at Sy No. 776/1-3-6, 776/1-5-4-8-2 & 776/1-5-4-8-1 in Chethackal Village, Ranni Taluk, Pathanamthitta. (Proposal No. SIA/KL/MIN/470480/2024)**

As invited Sri. Anshar P. was present on behalf of the Proponent. The RQP Sri. Thambu Cheriyan made the presentation. Based on discussion, the Committee noted the following shortcomings:

1. EMP prepared by a NABET accredited consultant.
2. Soil profile along and across the project site.
3. Distance to the nearest wildlife sanctuary as depicted in the google imagery
4. Compensatory Afforestation plan with geo-tagged photograph of the proposed site, species details proposed to be planted and ownership details of the proposed land.
5. Detailed CER proposal as per the guidelines published on the SEIAA website.
6. Soil profile across and along the project site
7. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Based on discussion, the Committee decided to entrust Dr. Mahesh Mohan and Dr. R. Ajayakumar Varma to conduct field inspection and submit report.

Item No.21 **Reappraisal of Environmental Clearance for the Granite Building Stone Quarry (Minor Mineral) mining project of A Muhammed Basheer, for an area of 2.1504 Ha at Block No.22, Re- Sy No. 91/3, 91/2-2, 91/2-1, 91/2-3, 91/2 in Pullampara Village, Nedumangadu Taluk, Thiruvananthapuram District. (SIA/KL/MIN/464591/2024)**

As invited the project proponent Sri. A Muhammed Basheer and the RQP Sri. V.K Roy were present. The RQP made the presentation. All the documents required for reappraisal of DEIAA-issued EC vide OM dated 28.4.2023 is not found submitted. The depth to water table in the nearest dug well along with geo-tagged photograph of the well site, distance between the well and the project boundary and relative relief of the well site. There is also clarification required as the name of the Proponent is given differently in different documents. **The Committee also decided to entrust Er. M. Dileepkumar and Dr. A. Bijukumar to conduct field inspection and submit report.**

PARIVESH FILES (Ver-2)

PART-2

Item No.01 **Re-appraisal of DEIAA issued Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Ilyas Babu for an area of 4.7493 Ha at Survey No. 249 pt in Anakkayam village, Eranad Taluk, Malappuram. (SIA/KL/MIN/443864/2023)**

The Committee scrutinized the Additional documents submitted by the project proponent and found them satisfactory. However, the PP is to clarify whether the baseline data submitted was monitored by NABET accredited agency or not. **The Committee decided to entrust Sri. V Gopinathan and Dr. C C Harilal for field inspection and report.**

Item No.02 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. George Thomas, for an area of 0.1744 Ha at Re-Survey No. 56/11 in Wadakkanchery Village, Thalapilly Taluk, Thrissur District. (SIA/KL/MIN/467123/2024)**

The Committee scrutinized the additional documents submitted by the project proponent. The PP submitted receipt of the application to SCNBWL for wildlife clearance and a letter from the Range Forest Officer, Wadakkanchery stating that he is not responsible to give a letter regarding the distance between the boundary of the proposed project and the boundary of the reserve forest. The Committee noted that there is another mining project for an area of 0.9872 Ha (SIA/KL/MIN/466524/2024) by the same project proponent in the land adjacent to the proposed one. Considering all these, the Committee decided to direct the Proponent to submit the following additional details:

1. Distance between the project boundary and reserve forest, if there is forest within 500m distance of the proposed site, either from the Village Office or Forest Department.
2. A comprehensive EMP prepared by a NABET Accredited agency considering the adjacent project.

Item No.03 **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Ambujakshan M C, for an area of 0.1942 Ha at Block No. 46, Re-Survey No. 14/1114 in Pariyaram Village, Thaliparamba Taluk, Kannur SIA/KL/MIN/468349/2024)**

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. The Committee observed that there are quarries within a 500m radius. **Hence, the Committee decided to direct the PP to submit a comprehensive EMP prepared by a NABET Accredited agency considering all the adjacent quarries.**

Item No.04 **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Manikandan K, for an area of 0.9713 Ha at Block No. 41, Re-Survey Nos. 354/360, 354/364 in Peringome Village, Payyanur Taluk, Kannur (SIA/KL/MIN/459950/2024)**

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. The Committee observed that there are adjacent quarries within 500m radius. **Hence, the Committee decided to direct the PP to submit a comprehensive EMP prepared by a NABET Accredited agency considering all the adjacent quarries.**

Item No.05 **Re-appraisal of EC issued by DEIAA Palakkad, the Granite Building Stone Quarry of Sri. Nishad. P. V for an area of 3.4277 Ha at Survey Nos. 348/1,2,3 in Thrithala Village, Pattambi Taluk, Palakkad District. (SIA/KL/MIN/474076/2024)**

The Committee examined the proposal and discussed it in detail. The application is for reappraisal of the DEIAA-issued as EC No. E/2703/16/DEIAA dated 21/04/2017. **Based on discussion, the Committee decided to direct the PP to submit the following additional documents.**

1. EMP prepared by a NABET accredited agency.
2. Approved mining plan based on which the existing EC was issued.
3. Revised compensatory afforestation plan as the one submitted is not satisfactory.
4. Clarification regarding the building at a distance of 13m
5. Details regarding nearest ESZ and ESA as sought in the OM dated 28.4.2023
6. Compliance to the order of the Hon. Supreme Court dated 21.8.2017 as sought in the OM dated 28.4.2023
7. Re-grassing proposal as sought in the OM dated 28.4.2023
8. Soil profile across and along the project site
9. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.06 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Binumon T. G., (M/s Megan Rocks), for an area of 1.3210 Ha at Block No. 9, Re- Sy No. 505/2 in Pazhavangadi Village, Ranni Taluk, Pathanamthitta District. (SIA/KL/MIN/476101/2024)**

The Committee examined the proposal and discussed it in detail. As per the Cluster Certificate 10/05/2024, there is a quarry owned by Sri. Joseph Mathew for an area of 1.9540 Ha near to the proposed project. Some of the shortcomings in the proposal observed by the Committee are:

1. Comprehensive EMP prepared by a NABET accredited EIA consultancy
2. Traffic density of the road used by the proposed and adjacent quarry and plan for avoiding traffic congestion

3. Compensatory afforestation plan, preferably in a public land, incorporating geo-tagged photograph of the proposed site, species proposed to be planted and ownership details of the land, if the site is not public land.
4. Depth to water table in the nearest open well along with distance to it from the project boundary, relative relief of the well site and geo-tagged photograph of the site
5. Soil profile across and along the project site
6. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall address the above shortcomings and it shall be uploaded to the Parivesh portal.

Item No.07 Environmental Clearance for the Granite Building Stone Quarry of Sri. Thajudeen H M, Managing Partner, M/s. NAT Industries for an area of 0.9846 Ha at Block No.39, Re Survey Nos. 173/4-4-6, 173/4-2-2, 173/4-4-2, 173/4-4-3, 173/4-4-4 in Chadayamangalam Village, Kottarakkara Taluk, Kollam District. (SIA/KL/MIN/472784/2024)

The committee scrutinized the additional documents and found that the following documents are not satisfactory.

1. Corporate Environment Responsibility proposal
2. EMP is not prepared by a NABET Accredited agency.
3. Compensatory afforestation plan as the area proposed for it is already vegetated and the species mentioned are not desirable.
4. Drainage plan.
5. Project Cost
6. Soil profile across and along the project site
7. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

The Committee observed that as per the Cluster Certificate dated 29/04/2024, there is a quarry owned by M/s NAT Industries having area 1.8109Ha (SIA/KL/MIN/134188/2019) and another quarry under consideration owned by of Sri. Gurudeeksha L, M/s. Chaprayil Granites Pvt. Ltd. (SIA/KL/MIN/460718/2024), for an area of 4.9500 Ha. **Considering the Cluster situation, the Committee decided to direct the PP to submit application for ToR for EIA study.**

Item No.08 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Noufal K, for an area of 0.9909 Ha at Block No. 54, Re-Sy No. 161/1 in Pookkottur Village, Ernad Taluk, Malappuram District.(SIA/KL/MIN/470062/2024)**

The Committee examined the proposal and discussed it in detail. The Committee noted the following shortcomings.

1. The KML file is not uploaded
2. Current land use data is not given in full
3. Depth to water table in the nearby open well is not given
4. Protection plan for the adjacent quarries are not given
5. EMP is not prepared by NABET accredited EIA consultancy
6. Soil profile across and along the project site
7. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

The Committee decided that the Proposal cannot be appraised as essential details are not submitted. Therefore, the application may be rejected.

Item No.09 **Environmental Clearance for the Existing Re-Rolling mill of Ms. Richa Tania, Managing Director, M/s. Palakkad Steels Pvt. Ltd. for an area of 0.324 ha at Survey Nos. 592-1B, IDA Kanjikode, Pudussery Village, Palakkad Taluk, Palakkad District.(SIA/KL/IND1/463490/2024)**

The Committee examined the proposal and discussed it in detail. The ToR for the project was approved vide letter SIA/KL/MIN/437128/2023; 2321/EC1/2023/SEIAA dated 08.11.2023.

Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include the following shortcomings which shall also be uploaded in the Parivesh portal.

1. CER as per the guideline published on the SEIAA website.
2. Specific study proposed in the ToR is not addressed adequately.
3. Energy Conservation Building Code Compliance.
4. Maximum Credible Accident analysis

Item No.10 **Environmental Clearance for the Existing Mild Steel Re-Rolling mill of Sri. Rathan Lal Tania, Managing Director, M/s. Lal Steels Pvt. Ltd. for an area of 0.607 Ha at Survey No. 407/1 in Pudussery Central Village, Palakkad Taluk, Palakkad District. (SIA/KL/IND1/463347/2024)**

The Committee examined the proposal and discussed it in detail. The ToR for the project was approved vide letter SIA/KL/MIN/437368/2023; 2319/EC1/2023/SEIAA dt.08.11.2023. **Based on discussion, the Committee decided to invite the Proponent for presentation. The**

presentation shall include the following shortcomings and which shall also be uploaded in the Parivesh portal.

1. CER as per the guideline published on the SEIAA website.
2. Specific study proposed in the ToR is not addressed adequately.
3. Energy Conservation Building Code Compliance.
4. Maximum Credible Accident analysis

Item No.11 Reappraisal of EC issued by DEIAA for the Granite Building Stone Quarry of Sri. C. Narayanan, Managing Partner,M/s Ceeyen Stone Crusher for an area of 0.7871 Ha at Block No. 001, Survey Nos. 496/2A,496-2B,496/3 in Parappa Village, Vellarikund Taluk, Kasaragod District.(SIA/KL/MIN/477245/2024)

The Committee examined the proposal and discussed it in detail and the Committee found that the following essential documents are not submitted along with the application.

1. Scheme of mining with mine closure plan.
2. Cluster certificate.
3. EC order obtained from the DEIAA
4. Approved Mining Plan for which the EC was issued
5. EMP prepared by a NABET accredited EIA consultancy
6. Certified Compliance Report from the IRO, MoEFCC, Bangalore
7. Hazard Zonation Map.
8. Pre-feasibility report.
9. Valid mine lease document
10. ESZ and ESA details
11. Biodiversity Assessment Report
12. Compliance to the order of the Hon Supreme Court in Common Cause Vs Union of India dated 21.8.2017
13. Re-grassing proposal
14. Soil profile across and along the project site
15. Recently certified Survey map
16. Details of the court cases, if any.
17. Depth to water table with details of the well such as the distance from the project site, geo-tagged photographs, elevation etc.
18. Any other documents as listed in the OM dated 28.4.2023 for reappraisal of EC issued by the DEIAA.
19. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

The Committee decided that the Proposal cannot be appraised as essential details are not submitted. Therefore, the application may be rejected.

Item No.12 **Reappraisal of EC issued by DEIAA Kozhikode, for the Granite Building Stone Quarry Project of Sri. Abdu Rahim, for an area of 4.4880 Ha at Re- Sy No. 147/1, 147/2A1, 2A2, 2B1, 2B2 in Thazhakode Village, Kozhikode Taluk, Kozhikode District. (SIA/KL/MIN/479020/2024)**

The Committee examined the proposal and discussed it in detail. The application is for reappraisal of the DEIAA-issued EC No DEIAA/KL/MIN/3067/2016 dated 15.07.2017. The PP had applied for the reappraisal for EC issued on 15/07/2017 by DEIAA Kozhikode and the EC period was over by 15/07/2022. The PP has submitted a recently approved Mining plan and the Scheme of mining. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include the following shortcomings and it shall be uploaded in the Parivesh portal.**

1. EMP prepared by a NABET accredited agency.
2. Depth to water table in the nearest dug well along with geo-tagged photograph of the well site, distance between the well and the project boundary and relative relief of the well site
3. Clarification regarding the distance to the nearest crusher building.
4. Details of Compensatory afforestation plan.
5. Revised Cluster Certificate form the Mining and Geology Department considering all the working quarries, quarries that are not issued mine closure certificates and that are given LoI and located within a radius of 500m.
6. Google map indicates mining in the buffer zone and beyond and hence clarification for the same.
7. Depth to water table in the nearest dug well
8. Soil profile across and along the project site
9. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.13 **Environmental Clearance for the proposed construction of new buildings within the existing Institutional complex to be developed by M/s JDT Islam Orphanage Committee at Sy. Nos. 155/5, 155/4B, 155/53 (Old No. 155/3), 154/87, 154/122, 154/30 (Old no. 154/8B), 154/19 (old no. 154/9), Chavayoor Village, Kozhikode Municipal Corporation, Kozhikode Taluk & District (SIA/KL/INFRA2/457794/2024)**

The Committee scrutinized the additional documents submitted by the project proponent and found that the CER proposal submitted is not found satisfactory. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include the above shortcomings which shall be uploaded to the Parivesh portal.**

Item No.14 Environmental Clearance for the Granite Building Stone Quarry of Sri. Jaison Jacob, Managing Director, M/s. VJJ Infrastructure Private Limited. for an area of 0.9965 Ha. at Block No. 30, Re-Sy. No. 429/1 in Kadanad Village, Meenachil Taluk, Kottayam District. (SIA/KL/MIN/474394/2024)

The Committee examined the proposal and discussed it in detail. **Based on the discussions, the Committee decided to invite the Proponent for presentation. The presentation shall include the following shortcomings which shall be uploaded to the Parivesh portal.**

1. Contour map with 1m interval, Digital Elevation Model Map, Slope map, Ortho map of 5m interval generated through drone survey using LIDAR over the proposed project area and outside it up to about 500m distance all around.
2. Biodiversity Assessment Report.
3. EMP prepared by a NABET accredited EIA consultancy.
4. Depth to water table in the nearest dug well along with geo-tagged photograph of the well site, distance between the well and the project boundary and relative relief of the well site.
5. Revised Mining plan including figures and diagrams.
6. Approval of the District Level Crisis Management Committee as the project site falls in medium hazard zone.
7. Soil profile across and along the project site
8. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.

Item No.15 Environmental Clearance for the Laterite building stone project of Sri. Dinesh C C for an area of 0.1619 ha at Block No.34, Resurvey No: 299/5 in Pattimattom Village, Kunnathunad Taluk, Ernakulam. (SIA/KL/MIN/455349/2023)

The Committee re-examined the proposal as desired by the 142nd meeting of the SEIAA and considered the consent of house owners. The Committee discussed the matter and decided to suggest that it is desirable to permit mining up to 2m from the general ground level with a buffer of 15m from the boundary as per the OM dated 06/07/2013 of MoEFCC. As per the application, the total mineable reserve is 14,040MT. The project cost is 15 lakh. The highest elevation of the permit area is 40m above MSL and the lowest elevation is 37m above MSL. The medium and high hazard zones at 25 km and 29.8 km respectively. The depth to water table is 5m bgl. The distance from nearest house is 46.4 and there are two houses under construction at a distance of 21 m & 26.3 m. The area of the proposed plot is 0.1619 ha. **Based on discussion, the Committee decided to recommend EC for mine life of 1-year subject to the following Specific Conditions in addition to the General Conditions:**

1. The mining should be limited up to 2m below the general ground level with a buffer of 15m from the boundary as per the OM dated 06/07/2013.
2. The excavation activity should not involve blasting.

3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
9. Workers/laborers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
11. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
17. The overburden and top soil should be stored separately near the mine site, safeguarded with protection walls and used for reclamation immediately after completion of mining.

Item No. 16 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Abdul Azeez C.K., Managing Director, M/s Mukkom Property Developers Pvt. Ltd., for an area of 8.1765 Ha at Re- Sy No. (Un survey) in Kumaranellur Village, Kozhikode Taluk, Kozhikode (Proposal No. SIA/KL/MIN/467595/2024)**

The Committee examined the proposal and noted the decision of the 166th meeting of the SEAC. The mining plan uploaded is not approved by the competent authority. **Therefore, the Committee decided to adhere to the previous recommendation to reject the proposal.**

Item No. 17 **Reappraisal of EC issued by DEIAA Kollam, for the Granite Building Stone Quarry of Sri. L. Saiju, Managing Partner, M/S. Akkavila Sajeenan Aggregates for an area of 2.6491 Ha at Survey Nos. 474/4, 474/16, 474/17, 474/5, 474/18, 476/6, 474/21, 474/20, 474/7, 474/24, 474/10, 476/8, 476/7, 476/6, 476/4, 475/23, 475/24, 475/9-1, 476/17, 474/19 & 476/20 in Veliyam Village, Kottarakkara Taluk, Kollam District. – Judgement dated.23.05.2024 in WP (C) No. 17919 of 2024 (SIA/KL/MIN/477635/2024)**

As invited, the project Proponent Sri. L. Saiju, Managing Partner, M/S. Akkavila Sajeenan Aggregates and the RQP Gireesh G R. are present. The RQP made the presentation. The Committee observed that M/s Aakkavila Sajeenan Aggregates Pvt Ltd filed the WP(C) No. 17919/2024 with the predicament that the petitioner is not in a position to get his E.C scrutinized by the SEIAA in terms of the judgment of the National Green Tribunal, for want of the same being uploaded in the PARIVESH portal. The Hon'ble High Court vide its judgment dated 23.05.2024 directed the 4th respondent/District Collector to upload expeditiously all the pending E.C. proposals to the PARIVESH portal, so as to enable further consideration/reappraisal of the same by SEIAA, at any rate, within a period of two months from today. It is further directed that Ext.P1 E.C of the petitioner shall necessarily be uploaded to the PARIVESH portal as early as possible, at any rate, within a period of one month from today (23.05.2024). Once it is uploaded, SEIAA is also directed to take a decision in the Environmental Clearance insofar as the petitioner is concerned, within a period of one month from the date of such uploading.

The Committee noted that except the presentation slides, the petitioner has not uploaded the required documents to address the shortcomings pointed out in the earlier meeting in PARIVESH portal. Since the required documents are received neither from the 4th respondent nor from the Petitioner in its complete form, the Committee is not in a position to further proceed with the re-appraisal of the project as per the OM dated 28.3.2023. Based on discussion, the Committee decided to give one more chance to present the proposal after uploading all the following additional documents.

1. EC order obtained from the DEIAA
2. Approved Mining Plan for which the EC was issued (Only scheme of mining is found submitted)
3. EMP prepared by a NABET accredited EIA consultancy
4. Certified Compliance Report from the IRO, MoEF & CC, Bangalore
5. Hazard Zonation Map.
6. Valid mine lease document
7. ESZ and ESA details
8. Compliance to the Hon'ble Supreme Court judgment dated 2.08.2017 passed in Common Cause Vs Union of India in WP(C) 114 of 2014
9. Revised re-grassing proposal as the one submitted does not provide any details
10. Soil profile across and along the project site

11. Certified Survey map indicating distance to all the built structures within 200m from the project boundary (The one uploaded does not have such details)
12. Any other documents as listed in the OM dated 28.4.2023 for reappraisal of EC issued by the DEIAA.
13. NOC from the Irrigation Department in compliance to Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala 19-04-2024.
14. Certified Compliance Report from the Integrated Regional Office of the MoEF & CC, Bangalore
15. CER as per the guidelines published on the SEIAA website
16. Revised Compensatory afforestation plan incorporating geo-tagged photograph of the proposed site, species proposed to be planted and ownership details of the proposed site
17. Cluster Certificate from the Mining and Geology Department considering all the working quarries, quarries that were not issued mine closure certificate and the projects for which LoI were issued in the 500m radius.

Tribute to Smt. Beena Govindan, Member, SEAC

The 168th SEAC meeting which was adjourned on 10th July at 4.10pm due to sudden and unfortunate demise of SEAC member, Smt Beena Govindan and the meeting resumed on 20th July 2024 morning at 10 am with an obituary reference.

The 168th SEAC meeting scheduled from the 8th to 11th of July was adjourned on 10th July 2024 at 4.10pm, due to the sudden demise of our committee member Smt Beena Govindan. Smt Beena Govindan is the only woman member of our committee who has been with us for more than five and a half years including the tenure of the previous committee. Although she is a member of our committee as a Social Development Professional Expert, she has always helped the committee to take the most appropriate decisions by analysing the socio-economic and environmental aspects holistically with her ability, wisdom and perseverance. The Chairman, Member Secretary and Members of the SEAC and the Environmental Officer of the SEIAA, individually, remembered the services of Smt. Beena Govindan and with profound sadness expressed their deep condolences to her loving family and friends. The Committee recorded the following Obituary Note.

“Looking back, Smt Beena Govindan has made notable contributions and leadership for the revival of the Adi Pampa and Varattar river which led to a large number of river rejuvenation campaigns across the state. She worked as coordinator of various schemes and studies for the Government of Kerala, especially associated with Kudumbashree Mission in the fields of poverty eradication, upliftment of the poorest of the poor etc., and rural development in the field of water and sanitation. She coordinated the revamping of UNDP scheme for the environmental conservation of the Munnar region and played a key role in the World Bank supported study on the sectoral status of solid waste management in the state. As

a Project Consultant to SWISS Red cross, she has led the rehabilitation programmes in some of the tsunami affected villages in Tamil Nadu. She was also associated with a leading NGO in Odisha, working for the drinking water and sanitation programme in the most backward rural areas of Odisha. She has effectively campaigned for ensuring housing for the poor, operationalising community kitchen during the flood and covid pandemic etc. She was presently working as the District Coordinator of the Vijnana Pathanamthitta programme, a model experimental initiative of the Govt. of Kerala through the Kerala Knowledge Economy Mission and K-Disk. The SEAC selection Committee of the government also noted the remarkable contributions of Smt Beena Govindan in various social and environmental aspects. The demise of Smt. Beena Govindan is a great loss for the State and the socio-economic and environmental sector, in general, and SEAC and SEIAA, in particular.”

General Decision

The Government of Kerala notified the Secretariat for the SEIAA, Kerala and SEAC, Kerala and stated that the Secretariat shall provide all financial and logistic support including accommodation, transportation and such other facilities in respect of all their statutory functions. However, the Secretariat is continuously failing to timely reimburse the TA/DA and payment of sitting fee etc., irrespective of timely release of fund from the Government of Kerala. There is considerable delay in reimbursing the TA/DA after submission of bills and even when the bills are reimbursed, significant amount is deducted without quoting reasons and intimation. This has not been the experience of the Members of the SEAC in the past. In the circumstance, it is very difficult for the Members to undertake the journeys for the project appraisal as per the schedules stipulated in the EIA Notification. **The Committee discussed the difficulties and decided to suggest that the SEIAA Secretariat shall:**

- 1. Pay the TA/DA to the outstation Committee members immediately after each committee as is done in various other GoK/GoI Committees.**
- 2. Reserve and provide the train tickets as per eligibility for undertaking the field inspections.**
- 3. Reimburse the bill for hiring the vehicle for the conduct of the field inspection immediately after submission of the bills.**

The Committee also decided to inform the matter to SEIAA for appropriate directions.

The Committee decided to convene its 169th meeting from August 7-9, 2024 in Physical Mode.

The meeting concluded at 5pm with a vote of thanks to the Chair.

Sd/-

**Suneel Pamidi, IFS
Member Secretary, SEAC**

Sd/-

**Dr. R. Ajayakumar Varma
Chairman, SEAC**

LIST OF PARTICIPANTS:

Sl.No.	Name	8.07.2024	9.07.2024	10.07.2024	20.07.2024
1.	Dr. R. Ajayakumar Varma (Chairman)	✓	✓	✓	✓
2.	Sri. S. Sheik Hyder Hussain	✓	✓	✓	✓
3.	Dr.A.Bijukumar.	X	X	X	X
4.	Dr.A.N.Manoharan	✓	✓	✓	✓
5.	Shri. M. Dileepkumar	X	X	X	X
6.	Smt. Beena Govindan	✓	✓	X	X
7.	Dr.C.C. Harilal	✓	✓	✓	✓
8.	Dr.K.VasudevanPillai	✓	✓	✓	✓
9.	Dr. MaheshMohan	✓	✓	✓	✓
10.	Dr.K.N. Krishna kumar	✓	✓	✓	✓
11.	Sri.V. Gopinathan	✓	✓	✓	✓
12.	Dr.A.V. Raghu	✓	✓	✓	✓
13.	Dr.N. Ajithkumar	X	✓	✓	✓
14.	Suneel Pamidi(Secretary)	✓	✓	X	✓