

**MINUTES OF THE 154TH MEETING OF THE STATE LEVEL EXPERT APPRAISAL
COMMITTEE (SEAC), KERALA HELD ON 02ND DECEMBER 2023 IN VIRTUAL
MODE**

The 154th meeting of SEAC, Kerala started at 10.00 AM on 02nd December 2023. Dr. R. Ajayakumar Varma, Chairman, SEAC Kerala chaired the meeting. The Committee discussed the agenda items in detail and took the following decisions:

Item No.154.01 **Confirmation of the Minutes of the 153rd meeting held on 14th & 15th November 2023.**

The Committee noted and confirmed the minutes of 153rd meeting of the SEAC.

PARIVESH FILES

Part 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 **Environmental Clearance for the Commercial Complex Project of Sri. Mohammed Shafeeq P, Designated Partner, M/s Kunnamkulam Centre LLP at Re-Sy. Nos. 11/P3-1, 11/P4-4 in Choondal Village & Re-Sy 162/3, 162/3-1, 162/3-1-1 in Kanipayyur Village, Chowannur Panchayat, Kunnamkulam Taluk, Thrissur. SIA/KL/INFRA2/445681/2023, 2446/EC3/2023/SEIAA**

Decision: The Committee examined the application submitted by Sri. Mohammed Shafeeq P. As per the application, the total built-up area of the project is 59,748 sqm with plot area 2.0176 ha. The project consists of Commercial retail shops, multiplex (1,500 seats), food court (1,200 seats), restaurant (300 seats) along with supporting infrastructure facilities. The maximum height of the building is 30 m. The total project cost is Rs.106 Crore. The Committee noted that the CER is not submitted. **The Committee decided to invite the project proponent for a presentation.**

Item No.2 **Environmental Clearance for the Super Specialty hospital project of Sri. Rasheed Abdul, Chairman, Samana Happiness Hospital at Survey Nos. 52/6-2-1, 52/6-2-2, 50/41, 50/25, 51/24, 51/22, 51/25, 52/6-1 in Manjeri Village, Ernad Taluk, Malappuram SIA/KL/INFRA2/451117/2023, 1468/EC3/2019/SEIAA**

Decision: The Committee observed that as per the direction of 148th meeting, the proponent submitted the revised application with additional documents. 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 51931.30 m² with plot area 15904 m². The hospital building is proposed to be constructed as a LEED Certified Green Building with 582 beds. The maximum height of the building is 36.95 m. The total project cost is Rs.208.82 Crore. The Committee heard the presentation in its 110th & 148th meeting. Field inspection was conducted on 28.02.2020. Based on discussions, **the Committee decided to recommend EC for a period of 10 years subject to the following Specific Conditions in addition to the General Conditions:**

1. 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.
2. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
3. The Project Proponent should make provision for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. 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).
4. Climate-responsive design as per Green Building Guidelines in practice should be adopted
5. Vegetation should be adopted appropriately on the ground as well as over built structure such as roofs, basements, podiums etc.
6. Exposed roof area and covered parking should be covered with material having high solar reflective index
7. Building design should cater to the differently-abled citizens
8. 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
9. Water efficient plumbing features should be adopted
10. Design of the building should be in compliance to Energy Building Code as applicable
11. Energy conservation measures as proposed in the application should be adopted in total
12. Buildings to be constructed should be barricaded with GI sheets of 6 m. (20 feet) height so as to avoid disturbance to other buildings nearby.
13. Construction work should be carried out during day time only.

14. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.
15. All vehicles carrying construction materials should be fully covered and protected.
16. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
17. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
18. Occupational health safety measures for the workers should be taken during the construction.
19. All vehicles during the construction phase should carry PUC certificate.
20. 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.
21. Green belt should be developed along the periphery of the site with indigenous species.
22. The green building criteria notified in the GO (Ms) No. 39/2022/LSGD dated 25.2.2022 should be adopted.

Item No.3 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Vinu Joseph Vellukunnel, Managing Director, M/s Granitic Mines India Pvt Ltd for an area of 3.2900 ha at Survey no 259/15-1 part, 259/6-2 part and 259/8 part in Kondoor Village, Meenachil Taluk Kottayam (Contempt CoC No. 2091/2023 in WP(C) No: 4798 of 2023, filed by Sri. Vinu J., Managing Director, M/s Granitic Mines India Pvt. Ltd) SIA/KL/MIN/438142/2023, 2432/EC4/2023/SEIAA**

Decision: The Committee noted the direction of the Authority in its 129th meeting to reappraise the project and recommend / reject with specific reasons and to address all the issues raised by the project proponent and the directions of the Hon'ble High Court in Judgment dated 05.07.2023 in WP(C) No. 4798 of 2023. The proponent also filed CoC 2091 of 2023 in WP(C) No. 4798 of 2023. The project was issued EC by the DEIAA on 6.7.2018 with validity up to 5.7.2023 and it was issued only for an area of 1.82 Ha only excluding area proposed in Sy No. 259/8 part considering it as plantation. The Committee examined the application submitted by Sri.Vinu Joseph. As per the application, the targeted production is 1,00,000 MTA. The life of mine is 8 years. The highest elevation of the permit area is 150 m AMSL and the lowest is 85 m AMSL. The nearest house is at 110 m from the proposed area. Part of the proposed land falls in moderate hazard zone. The total project cost is Rs.1 crore. The Environmental Clearance was issued by DEIAA, Kottayam on 06.07.2018 for a period of 5 years. The Committee observed that the documents requested to be submitted for reappraisal as per OM dated 28.04.2023 is not found submitted. Some of the documents submitted are old and require revalidation. **Therefore, the Committee decided to direct the project proponent to submit the following;**

- 1) Recent Cluster Certificate
- 2) Proposal of re-grassing the mining area and any other area which may have been disturbed due to the mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. in compliance to the direction dated 8th January 2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No.114/2014, Common cause vs Union of India & Ors.
- 3) Baseline monitoring data to be revalidated with one season non monsoon data.
- 4) Revised CER as per the guidelines uploaded in the SEIAA-Kerala website
- 5) Recent Survey Map certified by the Village Officer
- 6) Production details with balance quantity to be extracted, authenticated by the Department of Mining & Geology.

Item No.4 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Syam G Raj. S for an area of 3.4519 Ha at Block No.33, Re.Sy.Nos.144/1, 144/2, 144/3, 144/4, 144/5, 144/7, 144/8, 144/9, 144/10, 144/11, 144/12, 143/1, 143/3 -1, 143/3-2, 143/7, 143/15, 143/16, 145/4 in Pazhayakunnummel Village, Chirayinkeezhu Taluk, Thiruvananthapuram**
SIA/KL/MIN/438519/2023, 2427/EC3/SEIAA/2023

Decision: The Committee examined the application submitted by Sri. Syam G Raj S. As per the application, the total mineable reserve is 1506260 MT with 200100 MT from first to seventh year and 105560 MT for eight year. The life of mine is 8 years. The highest elevation of the permit area is 115 m AMSL and the lowest is 70 m AMSL. The high hazard zone is at 19.45 km and the medium hazard zone is at 10 km. The Committee observed that, the nearest house is at 67.6 m and two more houses at 72.1 m & 75.7m. The total project cost is Rs.2.5 Crore. The Committee observed the following short-comings;

1. Inadequacy of the area proposed for storage of the huge quantity of overburden and topsoil
2. Proposed compensatory afforestation plan is not specific.
3. Recent legible survey map showing distance to all the built structures within 200 m radius is not submitted
4. Hazard zonation map indicating distance to the proposed mining area is not submitted
5. Depth to water table in the nearest dug well along with its distance from the project boundary and the elevation of the site above MSL is to be provided.

The Committee decided to invite the project proponent for a presentation.

Item No.5 **Environmental Clearance for the mining of Ordinary Clay by Sri. Haneefa. M.H from an area of 0.2023 Ha. at Re Survey No. 4/3 at Kollengode-2 Village of Chittur Taluk, Palakkad.**
SIA/KL/MIN/439070/2023, 2441/EC3/2023/SEIAA

Decision: The Committee examined the application submitted by Sri.Haneefa. M.H. As per the application, the total mineable reserve is 8092 MT with annual production of 4046 MT. The life of mine is 2 years. The elevation of the proposed area is 114 m above MSL. The total project cost is Rs.20 lakh. The Committee observed the following;

1. On examining the KML file, there is a shed at 8m, which is not mentioned in the Survey Map
2. Clarification required for the distance between project boundary and high-tension line
3. Geotagged photographs of the project area and its surroundings from all the boundary pillars and the video showing the entire area

The Committee decided to invite the project proponent for a presentation.

Item No.6 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, Re-Survey 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

Decision: The Committee examined the application submitted by Sri. Musthafa P.T.V. As per the application, the total mineable reserve is 207140 MT and the life of mine is 3 years. The highest elevation is 160 m above MSL and lowest is 120 m above MSL. The high hazard zone is at 10.2 km and the medium hazard zone is at 1.71 km. The Silent Valley National Park is at a distance of 7.6 km (as mentioned in the PFR). The project cost is Rs.1.38 crore. The Committee observed the following shortcomings in the application submitted.

1. Proof of stakeholder consultation for the proposed CER plan is not provided
2. Compensatory afforestation area proposed seems to be vegetated. An alternate area with geo-tagged photographs, land ownership details, species of trees proposed etc. is not provided
3. As evident from the google imagery two more functional quarries are seen on the north east side of the quarry. But the cluster certificate does not indicate the same.
4. The building seen within 50 m is informed as site office which needs clarification.
5. Revalidated baseline monitoring data with one season non monsoon data.
6. Geotagged photographs of the project area and its surroundings from all the boundary pillars and the video showing the entire area
7. Depth to water table measured in the nearest open well to the site with geotagged photographs, distance from the project site and elevation above the MSL

The Committee decided to invite the project proponent for a presentation.

Item No.7 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Saji K Elias Managing Director, M/s Factum Granites Pvt Ltd. for an

**area of 0.6377 Ha at Block No: 21, Re survey no 35/23,35/6 in Erimayur-1
Village, Alathur Taluk, Palakkad.
SIA/KL/MIN/440170/2023, 2428/EC3/2023/SEIAA**

Decision: The Committee examined the application submitted by Sri. Saji K Elias, Managing Director, M/s Factum Granites Pvt Ltd. As per the application, the targeted annual production is 40441 MTA. The life of mine is 3 years. The highest elevation is 102 m MSL and lowest is 85 m MSL. The high hazard zone is at 15.1 km and the medium hazard zone is at 5.5 km. The project cost is Rs.80 lakh. The Committee observed the following shortcomings in the application submitted.

1. Compensatory afforestation plan alongwith geotagged photographs of the proposed site, ownership details of land, species of trees proposed to be planted is not provided
2. CER proposal need revision as per the guidelines uploaded in the website of SEIAA-Kerala
3. EMP is not site specific
4. Geotagged photographs of the project area and its surroundings from all the boundary pillars and the video showing the entire area
5. Depth to water table measured in the nearest open well to the site with geotagged photographs, elevation of the site above MSL, distance from the project boundary not submitted
6. The Cluster Certificate with details of each quarry around within 500 m radius.
7. Clarification regarding the many buildings- shed, canteen, crusher, office etc inside the project area is not provided.

The Committee decided to invite the project proponent for a presentation.

**Item No.8 Environmental Clearance for the Granite Dimension Stone Quarry Project of Sri.T.D Ponraj for an area of 1.3065 Ha at Survey Nos.118/20,118/7,118/8, 118/27, 118/27-1, 118/21pt, 118/23pt, 120/5, 117/3pt in Ottasekharamangalam Village, Kattakada Taluk, Thiruvananthapuram
SIA/KL/MIN/440548/2023, 2435/EC3/2023/SEIAA**

Decision: The Committee examined the application submitted by Sri.T.D Ponraj. The Committee observed that EC dated.19.05.2018 was issued by DEIAA, Thiruvananthapuram for a period of five years and now the proponent submitted application for fresh EC as per OM dated.28.04.2023. It seems that the mining is yet to be commenced. As per the application, the total mineable reserve is 422544 MT with annual production of 35000 MT. The life of mine is 12 years. The highest elevation is 180 m MSL and lowest is 135 m MSL. The high hazard zone is 28 km away from the project site. The project cost is Rs.1.5 crore. The Committee noted the following shortcomings;

- 1) The Neyyar Wild Life Sanctuary is at 3.15 km (Form IM). The proponent has not

- submitted the proof of application submitted to the NBWL for Wild Life Clearance.
- 2) Proposal for re-grassing the mining area and any other area which may have been disturbed due to the mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. in compliance to the direction dated 8th January 2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No.114/2014, Common cause vs Union of India & Ors.
 - 3) A natural stream is observed as per the google map, clarification needed
 - 4) Geotagged photographs of the project area and its surroundings from all the boundary pillars and the video showing the entire area

The Committee decided to invite the project proponent for a presentation.

Item No.9 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K.N Balakrishnan for an area of 3.7227 Ha at Block No: 27, Re survey no 45/1,45/2,46 in Erumely south Village, Kanjrapally Taluk, Kottayam SIA/KL/MIN/441059/2023, 2438/EC4/2023/SEIAA

Decision: The Committee examined the application submitted by Sri. K.N Balakrishnan. The Committee observed that EC was issued by DEIAA Kottayam on 11.04.2018 for a period of five years. Significant portion of the proposed site is found extracted. As per the application, the total mineable reserve is 510312.5 MT with annual production of 42526 MT. The life of mine is 12 years. The highest elevation is 175 m MSL and lowest is 115 m MSL. In Form 1M it is mentioned that a church is situated at 280 m. The project cost is Rs.75 lakh. The Committee observed that the proposal lacks the following documents;

1. Recent non-monsoon baseline monitoring data
2. Recent Cluster Certificate
3. Detailed drainage Plan
4. Recent legible survey map indicating distance to all the built structures within 200m distance from the project boundary
5. Production details with balance quantity to be extracted, authenticated by the Department of Mining & Geology.
6. Depth to water table measured in the nearest open well to the site with geotagged photographs, elevation of the site above MSL and distance from the project boundary are not submitted
7. CER proposal as per the guidelines uploaded in the website of SEIAA-Kerala
8. Site specific EMP with mitigation measures
9. Proposal of re-grassing the mining area and any other area which may have been disturbed due to the mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. in compliance to the direction dated 8th January 2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No.114/2014, Common cause vs Union of India & Others.

10. Non assignment Certificate from the Village Officer
11. Overburden dumping location, geotagged photograph of the proposed site and protection plan

The Committee decided to invite the project proponent for a presentation.

Item No.10 Environmental Clearance for the Granite Building Stone Quarry Project of Sri.K.J.Thomaskutty, Managing Partner, M/s Mary Matha Granites for an area of 2.0778 Ha. at Block No. 25, Re-Survey Nos. 110/1, 110/2, 112/2 & 112/3 in Akathethara Village, Palakkad Taluk, Palakkad SIA/KL/MIN/444012/2023, 2447/EC3/2023/SEIAA

Decision: The Committee examined the application submitted by Sri.K.J.Thomaskutty, Managing Partner, M/s Mary Matha Granites. As per the application, the total mineable reserve is 189547.5 MT with annual production of 37909.5 MT. The life of mine is 5 years. The highest elevation is 125 m MSL and lowest is 95 m MSL. In Form 1M it is mentioned that a mosque is situated at 2.65 m. Crusher is situated at 150 m. The proposed site is 1 km away from the moderate hazard zone. The project cost is Rs.2.05 crore. The Committee observed that the proposal lacks the following documents;

1. Compensatory afforestation plan alongwith geotagged photographs of the location, ownership details of the proposed land and species details proposed
2. KML file indicates functional quarries within 500 m but the Cluster Certificate dated 07.08.2023 does not indicate the same and not clear.
3. Distance from High hazard and moderate hazard zones

The Committee decided to invite the project proponent for a presentation.

Item No.11 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Ashique Ali for an area of 2.4147 Ha at Block no: 22, Resurvey no 307/3,308/12,308/13,308/15,308/26, in Malayattoor Village, Aluva Taluk, Ernakulam SIA/KL/MIN/444903/2023, 2449/EC1/2023/SEIAA

Decision: The Committee examined the application submitted by Sri. Ashique Ali. As per the application, the total mineable reserve is 590383 MT. The life of mine is 5 years. The highest elevation is 177 m MSL and lowest is 110 m MSL. The high hazard zone is at 4 km. The project cost is Rs.2.5 crore. About 30% of the project area is in moderate hazard zone. The Committee observed the following shortcomings;

1. CER as per the guidelines uploaded in the SEIAA website is not submitted
2. Compensatory afforestation plan along with geotagged photographs of the proposed location, site photographs and species details are not provided
3. Non assignment Certificate is not uploaded
4. Baseline monitoring data to be revalidated with one season non monsoon data.

5. Recent Cluster Certificate
6. Depth to water table measured in the nearest open well to the site with geotagged photographs, elevation of the site above MSL and distance from the project boundary are not submitted

The Committee decided to invite the project proponent for a presentation.

**Item No.12 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Shemeel R, Managing Partner, M/s Galaxy Rocks for an area of 4.2146 ha in Kummil Village, Kottarakkara Taluk, Kollam
SIA/KL/MIN/445259/2023, 2162/EC2/2022/SEIAA**

Decision: The Committee examined the application submitted by Sri.Shemeel R, Managing Partner, M/s Galaxy Rocks. The public hearing was conducted on 22.07.2023. As per the application, the total mineable reserve is 2038465 MT. The life of mine is 12 years. The highest elevation is 130 m MSL and lowest is 90 m MSL. The nearest house is at 130 m. The high hazard zone is at 14.97 km. The project cost is Rs.3.25 crore. The project area is in moderate hazard zone. The Committee observed that the complaint received from Sri.Abhilash C.S is not specific and general in nature. The Complaint received from Kadakkal Pravasi Forum states that there are so many houses within 500 m radius.

The Committee decided to invite the project proponent for presenting the project details and EIA document. The Committee also decided to entrust Dr.R.Ajayakumar Varma to evaluate the EIA report.

**Item No.13 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**

Decision: The Committee examined the application submitted by Sri.Sasidharan Murikyal. As per the application, the total mineable reserve is 9656.5. The life of mine is 1 year. The depth to water table is 8 m below ground level. The medium hazard zone is at 2.10 km. The project cost is Rs.6.02 lakh. . The Committee observed that the proposal lacks the following documents;

1. CER plan details as per the guidelines uploaded in the SEIAA-Kerala website .
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area

The Committee decided to invite the project proponent for a presentation.

Item No.14 Environmental Clearance for the Granite Building Stone Quarry Project of Sri.Ajayan Joseph, Managing Partner, M/s.K & K Granites for an area of

0.9920 Ha at Survey No: 32/2 in Purappuzha Village, Thodupuzha Taluk, Idukki. SIA/KL/MIN/446443/2023, 2440/EC2/2023/SEIAA

Decision: The Committee examined the application submitted by Sri. Ajayan Joseph, Managing Partner, M/s. K&K Granites. As per the application, the total mineable reserve is 224600 MT with annual production of 74800 MTA. The life of mine is 3 years. The highest elevation is 140 m MSL and lowest is 115 m MSL. The medium hazard zone is at 929 m. The depth to water table is 8 m below ground level and therefore, mining may not be feasible in the last three benches. The nearest house is at 108.9 m. The project cost is Rs.1.5 crore. The Committee observed that the proposal lacks the following documents;

1. Baseline monitoring data is to be revalidated with one season non monsoon data.
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area

The Committee decided to invite the project proponent for a presentation.

Item No.15 Environmental Clearance for the mining of Ordinary Earth by Sri.Varghese. M. P from an area of 0.8120 Ha at Survey No. 194/11, 194/12 in Aikaranadu south Village, Kunnathunad Taluk, Ernakulam SIA/KL/MIN/446468/2023, 2454/EC1/2023/SEIAA

Decision: The Committee examined the application submitted by Sri.Varghese. M. P. As per the application, the total mineable reserve is 64960 MT with annual production of 32480 MT. The life of mine is 2 years. The highest elevation is 84 m above MSL and lowest is 68 m MSL. In Form IM, it is mentioned that a temple is situated at 0.469 m. The project cost is Rs.25 lakh. The Committee observed the following shortcomings;

1. The depth of mining mentioned in the Mining Plan is 4m. But in the PFR it is mentioned as 2 m and stated that no bench is required. Clarification on bench height.
2. Work order for the total quantity of material
3. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
4. Revised work order for the total quantity to be mined

The Committee decided to invite the project proponent for a presentation.

Item No.16 Environmental Clearance for the mining of Ordinary earth by Sri.Paul Varghese from an area of 0.9099 Ha at Re. Survey Nos. 306/1-4, 306/1-5 in Keezhmad Village, Aluva Taluk, Ernakulam SIA/KL/MIN/447154/2023, 2436/EC1/2023/SEIAA

Decision: The Committee examined the application submitted by Sri.Paul Varghese. As per the application, the total mineable reserve is 45495 MT with annual production of 22747.5 MT.

The life of mine is 2 years. A church is situated at 67 m and a mosque at 84 m. The project cost is Rs.25 lakh. The depth of mining is mentioned as 2.5 m. The Committee observed that the proposal lacks the following documents;

1. Cluster certificate.
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area
3. Depth to water table in the nearest dug well

The Committee decided to invite the project proponent for a presentation.

**Item No.17 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri.Rajan M for an area of 0.7989 Ha at Block No.05, Re Survey No: 172/1-2 in Kuruva Village, Perinthalmanna Taluk, Malappuram
SIA/KL/MIN/448740/2023, 2429/EC1/2023/SEIAA**

Decision: The Committee examined the application submitted by Sri.Rajan M. As per the application, the total mineable reserve is 76893 MT with annual production of 25631 MT. The life of mine is 3 years. The depth to water table is 9m below ground level. The medium hazard zone is at 3.10 km. The nearest house is at 51.7 m. Two more houses at 52.7 m. The project cost is Rs.21,06,250/-. The depth to water table is 9m below ground level. The Committee observed that the proposal lack the following documents;

1. Compensatory afforestation plan along with geotagged photograph of the proposed site, ownership details of the land and species details.
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area

The Committee decided to invite the project proponent for a presentation.

**Item No.18 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri.Chandradas.T for an area of 0.0972 Ha. at Survey Nos.484/1pt 891 in Pullur Village, Hosdurg Taluk, Kasaragod
SIA/KL/MIN/449770/2023, 2434/EC4/2023/SEIAA**

Decision: The Committee examined the application submitted by Sri.Chandradas.T. As per the application, the total mineable reserve is 3680 MT. The life of mine is 1 year. The highest elevation is 162 m MSL and lowest is 161 m MSL. The project cost is Rs.10 lakhs. On examining the KML file, a building is situated at 20 m. The depth to water table is 161m above MSL which need to be re-checked. The Committee observed that the proposal lacks the following documents;

1. Cluster certificate.
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area

3. Depth to water table in the nearest dug well

The Committee decided to invite the project proponent for a presentation.

Item No.19 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri.Majeed Kuruniyan for an area of 0.1942 Ha at Re-Survey No: 326/2-16, 326/2-17 in Ponmala Village, Tirur Taluk, Malappuram**
SIA/KL/MIN/450384/2023, 2430/EC1/2023/SEIAA

Decision: The Committee examined the application submitted by Sri.Majeed Kuruniyan.
The Committee deferred the application for submission of legible documents.

Item No.20 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri.Chakko K.M for an area of 0.0972 Ha at Bock No: 070, Re-Survey No: 49/1055 in Nidiyenga Village, Thaliparamba Taluk, Kannur**
SIA/KL/MIN/450538/2023 , 2433/EC4/2023/SEIAA

Decision: The Committee examined the application submitted by Sri.Chakko K.M. As per the application, the total mineable reserve is 9356 MT. The life of mine is 1 year. The distance to the high hazard zone is 6.20 km and to the medium hazard zone is 2.20 km. The depth to water table is 7m bgl. A shed is situated at 50.3 m. The project cost is Rs.3,63,500/-. The Committee observed that the proposal lacks the geotagged photographs of the project area and its surroundings from all the boundary pillars and the video showing the entire area.

The Committee decided to invite the project proponent for a presentation

Item No.21 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri.Shihabudheen for an area of 0.1787 Ha at Block No.01, Re Survey Nos: 553/1B-35, 553/1B-36 in Malappuram Village, Ernad Taluk, Malappuram**
SIA/KL/MIN/450897/2023, 2437/EC1/2023/SEIAA

Decision: The Committee examined the application submitted by Sri.Shihabudheen. As per the application, the total mineable reserve is 15637 MT. The life of mine is 2 years. The nearest house is at 101 m. The project cost is Rs.7.24 lakh. The Committee observed that the proposal lacks the following documents;

1. The KML file is not legible
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area

The Committee decided to invite the project proponent for a presentation

Item No.22 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri.A Gopalakrishnan for an area of 0.0971 Ha. at Survey Nos.324/2PT4, in Kinanoor Village, Vellarikund Taluk, Kasaragod SIA/KL/MIN/451346/2023, 2444/EC4/2023/SEIAA**

Decision: The Committee examined the application submitted by Sri.A Gopalakrishnan. As per the application, the total mineable reserve is 3667 MT. The life of mine is 1 year. The highest elevation is 103 m MSL and the lowest elevation is 99m MSL. The depth to water table is 14 m. The project cost is Rs.10 lakh. The Committee observed that the proposal lacks the geotagged photographs of the project area and its surroundings from all the boundary pillars and the video showing the entire area.

The Committee decided to invite the project proponent for a presentation

Item No.23 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri.Christo Cheriyan for an area of 0.3480 Ha at Block No: 211, Re-Survey No: 9/3 in Padiyoor Village, Iritty Taluk, Kannur SIA/KL/MIN/451424/2023, 2442/EC4/2023/SEIAA**

Decision: The Committee examined the application submitted by Sri. Christo Cheriyan. As per the application, the total mineable reserve is 31973 MT (16,748 MT for first year & 15,225 MT for second year). The life of mine is 2 years. The nearest house is at 178.4 m. The project cost is Rs.11.7 lakh. The Committee observed the following;

1. The depth to water table is not mentioned in the application.
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area

The Committee decided to invite the project proponent for a presentation.

Part 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 **Environmental Clearance for the existing Steel making and Rolling Mill by Sri. Moidu K E 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**

Decision : The Committee examined the application submitted by Sri. Moidu K.E. As per S.O.3250 (E) dated 20.07.2022 of MoEF&CC, public consultation was exempted for the proposed activity. The production capacity is to manufacture MS Billets - 100 MTPD and TMT Bars - 110 MTPD. The nearest habitation from the plant site is Nallalam village at a distance of

0.01 km in NW direction (as in PFR). The total water requirement is 120.5 KLD. The total project cost is 53.5 crores. The Committee observed the following shortcomings;

1. Mismatch between water requirement and its source
2. Maximum credible accident analysis not been done
3. Stack monitoring and its capacity enhancement plan not provided
4. Recoverable conservation measures & renewable energy resource utilization plan.
5. Usage of renewable energy details not provided

The Committee decided to invite the project proponent for a presentation and entrusted Smt.Beena Govindan for evaluating the EIA Report.

**Item No.2 Environmental Clearance for the existing Mild Steel Re-Rolling mill by Smt. Dirsha K Mohammed, M/s.Gasha Steels Pvt. Ltd. at Survey No. 461(part), 462(part), 463(part), 866(part), 872(part) in Pudussery village, Palakkad Taluk , Palakkad
SIA/KL/IND1/443094/2023, 2217/EC1/2023/SEIAA**

Decision: The Committee examined the application submitted by Smt. Dirsha K Mohammed, M/s.Gasha Steels Pvt. Ltd. As per S.O.3250 (E) dated 20.07.2022 of MoEF&CC, public consultation was exempted for the proposed activity. The production capacity is to manufacture TMT Bars- 290 MTPD. The nearest habitation from the plant site is Mannukkad village at a distance of 0.73 km in south direction (as in PFR). The total water requirement is 132 KLD. The total project cost is 20.47 crores. The Committee observed the following shortcomings;

1. Maximum credible accident analysis has not been done
2. Stack monitoring and its capacity enhancement plan not provided
3. Recoverable conservation measures & renewable energy resource utilization plan.
4. Revised and site specific EMP
5. CER as per the guidelines uploaded in the SEIAA website is not submitted

The Committee decided to invite the project proponent for a presentation and entrusted. Er.M.Dileepkumar for evaluating the EIA Report.

**Item No.3 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**

Decision: The Committee examined the application submitted by Sri. V.K Ramachandran. As per the application, the total mineable reserve is 131470 MT with annual production of 27000 MTA. The life of mine is 5 years. The highest elevation is 135 m MSL and lowest is 60 m MSL.

The distance to the high hazard zone is 3.38 km. The project cost is Rs.131.75 lakh. The Committee observed that the proposal lacks the following documents;

1. Details of water requirement
2. Depth to water table measured in the nearest open well with geotagged photographs, elevation of the well site above MSL and distance from the project boundary
3. Recent legible Survey Map indicating distance to all the built structures within 200m distance from the project boundary
4. CER as per the guidelines uploaded in the SEIAA website is not submitted
5. Revised site-specific EMP
6. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area

The Committee decided to invite the project proponent for a presentation

Item No.4 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Sudarsan. C.K for an area of 4.4517 Ha at Survey Nos. Re-Sy Nos: 1/1A in Tholambra Village, Thalassery Thaluk, Kannur**
SIA/KL/MIN/442433/2023, 2457/EC4/2023/SEIAA

Decision: The Committee examined the application submitted by Sri. Sudarsan. C.K. As per the application, the total mineable reserve is 1769561.30 MT with annual production of 180000 MT and life of mine of 10 years. The highest elevation is 245 m MSL and the lowest is 120 m MSL. The project cost is Rs.770.1 lakh. The Committee observed the following;

1. The project area is very steep and totally in a medium hazard zone.
2. CER as per the guidelines uploaded in the SEIAA website is not submitted
3. A quarry pit is seen in the northern side as per the KML file. The recent cluster certificate with working/closure status of each quarry within 500 m radius to be submitted.
4. Drainage plan is not legible
5. Baseline monitoring data is not found uploaded

The Committee decided to invite the project proponent for a presentation

Item No.5 **Environmental Clearance for the Granite Building Stone Quarry of Sri.M K Nassarudeen Musliar, M.K.N Bricks and Blue Metals Pvt. Ltd for an area of 4.9800 Ha at Block No.18, Re-survey nos: 86/7, 83/25, 83/12-1, 83/13-1-1, 84/2-3, 84/2, 84/2-5, 84/2-6, 84/2-4, 84/2-2, 84/2-1, 84/1, 84/6, 84/5, 84/16, 84/17, 84/18, 84/19, 80/1, 80/1-1, 80/14, 80/12, 80/12-1, 80/11, 80/8-3, 80/8-4, 80/8-1, 80/8-1-1, 80/13 in Anad Village, Nedumangad Taluk, Thiruvananthapuram**
SIA/KL/MIN/446910/2023, 2448/EC3/2023/SEIAA

Decision: The Committee examined the application submitted by Sri.M K Nassarudeen Musliar, Managing Director, M/s.M.K.N Bricks and Blue Metals Pvt. Ltd. As per the application,

the total mineable reserve is 1346442.5 MT with annual production of 134600 MTA from an area of 4.98 Ha. The life of mine is 10 years. The highest elevation is 135 m MSL and lowest is 75 m MSL. The distance to the high hazard zone is 16.2 km and to the medium hazard zone is 13.8 km. The nearest house is at 55.2 m. A Govt. School is at 555 m. The Peppara Wild Life Sanctuary is at 14.3 km. The project cost is Rs.3.5 Crore. The Committee observed that the Survey Map is not legible. **The Committee decided to invite the project proponent for a presentation**

Item No.6 **Environmental Clearance for the Granite Building Stone Quarry of Sri.Sasidharakurup K for an area of 1.9152Ha at Block No.44, Re- Survey Nos. 147/8, 147/9, 147/3, 154/5, 154/8, 154/9, 161/5, 161/15, 161/16, 161/6, 160/3, 160/4 (own land), 154/4pt (Government land) in Elamba Village, Chirayinkeezhu Taluk, Thiruvananthapuram.**
SIA/KL/MIN/449111/2023, 2452/EC2/2023/SEIAA

Decision: The Committee examined the application submitted by Sri.Sasidharakurup K. As per the application, the total mineable reserve is 502714 MT. The life of mine is 8 years. The highest elevation is 110 m MSL and lowest is 40 m MSL. The distance to the medium hazard zone is 18.31 km. The nearest house is at 52.7 m. The project cost is Rs.2 Crore. The Committee observed the following;

1. The project boundary is overlapping with the adjacent existing quarry of the same proponent. Hence the project is to be considered as an expansion project and CCR to be submitted.
2. The Non assignment Certificate is not legible
3. The Compensatory afforestation proposed is a vegetated area. So alternate site is to be provided.

The Committee decided that the application can be considered only after the submission of Certified Compliance Report from the Integrated Regional Office, MoEF & CC.

Item No.7 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Kunhimammed for an area of 0.2700 Ha at Re-Survey No.19/148 in Koodathai Village, Thamarassery Taluk, Kozhikode**
SIA/KL/MIN/451721/2023, 2455/EC2/2023/SEIAA

Decision : The Committee examined the application submitted by Sri. Kunhimammed. As per the application, the total mineable reserve is 28350 MT. The life of mine is 2 years. The highest elevation is 235 m MSL and lowest is 232 m MSL. The project cost is Rs.18 lakh. The Committee observed that the proposal lacks the following documents;

1. Depth to water table in the nearest dug well
2. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire area

The Committee decided to invite the project proponent for a presentation

Item No.8 **Environmental Clearance for the Laterite Building Stone Quarry of Sri Sebastian George for an area of 0.1942Ha at Re-Survey No: 57/110 in Peringome Village, Payyanur Taluk, Kannur**
SIA/KL/MIN/451754/2023, 2445/EC4/2023/SEIAA

Decision: The Committee examined the application submitted by Sri Sebastian George. As per the application, the total mineable reserve is 16994 MT with annual production of 8497 MT. The life of mine is 2 years. The nearest house is at 56.5 m. The project cost is Rs.6.02 lakh. The Committee observed that the proposal lacks the geotagged photographs of the project area and its surroundings from all the boundary pillars and the video showing the entire area. **The Committee decided to invite the project proponent for a presentation**

Item No.9 **Environmental Clearance for the Granite Building Stone Quarry of Sri.Mohan.G for an area of 0.8132 Ha at Block No.10, Survey Nos. 390/4, 5/1, 5/2, 392/1, 3/3, 3/4, 3/5, 392/4, 24, 25, 392/2/2, 3/2, 16 in Kalayapuram Village , Kottarakkara Taluk , Kollam**
SIA/KL/MIN/452253/2023, 2453/EC1/2023/SEIAA

Decision: The Committee examined the application submitted by Sri.Mohan.G. As per the application, the total mineable reserve is 161153 MT with annual production of 53718 MT. The life of mine is 3 years. The highest elevation is 100 m AMSL and lowest elevation is 80 m AMSL. The nearest house is at 55 m. The project cost is Rs.1.3 crore. The KML file indicates a structure at 15m which needs to be clarified. Considering the depth to water table, it is required to leave out the last three benches. The Committee observed that the proposal lacks the geotagged photographs of the project area and its surroundings from all the boundary pillars and the video showing the entire area. **The Committee decided to invite the project proponent for a presentation.**

Item No.10 **Environmental Clearance for the Building Stone Quarry Project of M/s Metarock Private Limited at Block No. 41, Sy. Nos. 340/8, 340/19, 340/22, 341/2-1, 341/2-2, 341/2-3, 341/3, 341/8, 341/8-1, 356/2, 356/4, 356/5, 356/5-1, 356/5-2pt, 356/5-3, 356/5- 5, 356/6pt, 356/10, 356/10-1pt, 356/10-1-1pt, 357/7-1pt, 357/26pt, 341/1pt, 356/3pt, Aruvikkara Village, Nedumangad Taluk, Thiruvananthapuram. SIA/KL/MIN/59482/2020, 1871/EC1/2021/SEIAA**

Decision: The SEAC, in its 142nd meeting, recommended EC for the project with 3.7980 Ha and mine life of 10 years to extract 18,98,673 MT of granite building stone quarry subject to 28 specific conditions in addition to stipulated general conditions. The Proposal was considered in

the 128th meeting of the Authority, who noticed that there are four other quarries nearby and there are several complaints regarding the functioning of these quarries. The Authority referred the complaints to SEAC to give a hearing to the project proponent and to the petitioners. The Committee, in its 148th meeting heard the complainants and the Proponent. The Committee examined the hearing notes and entrusted a subcommittee consisting of four members of the SEAC who conducted field inspection on 21.10.2023 AN in the presence of the complainants and proponent. **The Committee discussed the field inspection report and decided to recommend EC for the project with the following additional specific conditions in addition to the 28 specific conditions recommended in the 142nd meeting of SEAC.**

1. There is a catchment of a small watershed near the Boundary Pillar BP 5 and BP 14 and a seasonal flow line reaching a pond. The catchment area of the watershed covers the buffer area of the proposed mine and slightly beyond it towards the proposed lease. Therefore, it the buffer of 7.5m should be provided beyond the catchment area of the micro watershed.
2. Adequate buffer should be provided adjacent to a pathway used by the local people and a temporary wall of 5m height should be provided all along the side of the pathway to avoid disturbance to the local people using the pathway.
3. Widen the outflow channel flowing through the site and behind the existing site office and enhance it's carrying capacity as entire excess water from the existing and proposed quarry will be drained through it. Provided adequate number of silt-traps in the course of the drain and a couple of small check-dams at the portion of the land behind the existing project office.
4. Ensure that the discharge of overland flow and the pumped-out water through the common drain to the natural drain water is free of silt and other contaminants and the discharge should be regulated within the carrying capacity of the natural drain.
5. The out-flow water to the natural drain should be monitored by a NABL accredited lab on a monthly basis to ensure that its quality is within the specified as per the PCB norms for first one year from the date of commencement of mining. Further, the monitoring should be continued as per the specific condition stipulated in the EC for monitoring water discharge to the natural drain from the project area
6. The impact due to blast-induced vibration and vibration due to the movement of heavy vehicle should be monitored every six months and the result uploaded in the HYCR. While monitoring the vibration, one of the monitoring stations should be adjacent to the spot where the house of Mr. Rajendran is located.
7. Strict precautionary measures should be adopted while blasting including the use of mufflers.
8. Initiate the green belt development all along the buffer area prior to the commencement of mining.
9. Address the issue of dust pollution strictly and ensure that they comply with the preventive measures with utmost care and efficiency.

10. Air and water quality data monitored as per PCB norms should be displayed at the project entry gate for the public to know. Installation of an online water quality monitoring probe with telemetry at the discharge point will help in displaying the real-time water quality data.
11. The movement of vehicle loaded with the material extracted from the proposed mine should be prevented during the peak hours in the fore-noon and afternoon.
12. Considering the increasing traffic congestion in the area, the Proponent should be directed to approach the Local Government and Transport Department to enforce the speed of the heavy vehicles in the area where about 4 to 5 quarries and crushers are under operation.
13. The Proponent should ensure that the buffer distance as per norms should be maintained with all the built structures adjacent to the proposed site. Special care should be taken at the built structure near the boundary pillar BP 13 and house of Mr. Rajendran and his sister.
14. The monitoring of environmental parameters should be carried out during the stipulated frequency and attached to the Half Yearly Compliance Report (HYCR).

The Committee also decided to recommend the following:

1. The SEIAA secretariat should be advised to act upon the complaint regarding the projects operating without environmental clearance in the area.
2. The Mining & Geology Department should be addressed to look into the aspect of the complaint that mining takes place in land without No Objection Certificate from the Revenue authorities.

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

Item No.1 **Extension of Validity of Environmental Clearance for the granite building stone quarry by Sri. Abdul Kareem, U. K Granites for an area of 4.685 ha at Survey No. 428(P in Edayur Village, Tirur Taluk, Malappuram SIA/KL/MIN/304423/2023, 727/SEIAA/EC1/6106/2014**

Decision: The Committee observed that as per the application, the project proponent requested for revalidation of the EC issued on 15.01.2016 for an area of 4.685 Ha. The field inspection report recommends for revalidation of 1.6067 Ha. There is a lack of clarity regarding the area for which the extension has to be sanctioned. The SEIAA secretariat informed that the proponent has submitted the CCR dated 20.07.2022 from MoEF &CC which is attached to the physical file pertaining to the project. **Based on discussions, the Committee decided to entrust Dr.A.V.Raghu and Sri.V.Gopinathan to examine the documents and submit specific recommendation.**

CONSIDERATION OF TOR PROPOSALS

Item No.1 **Application for Terms of Reference for the Granite Building Stone quarry project of Sri.P.M Aboobacker, Managing Director, Palakkal Granite Products Private Ltd, for an area of 10.1903 ha at Re Survey Block No -003, Re Survey Nos: 172/1527, 172/1232, 172/1228, 172/1213, 1523, 1862, 172/1212, 172/1134, 172/1137, 172/1201, 172/1221, 172/1120, 172/1238, 172/1136, 172/1135, 172/1119, 172/2275, 172/1526, 172/1200, 172/1239, 1240 of Kodiyathur Village & Re Survey Block No -001, Un Survey Nos: 153/597, 153/598, 153/604, 153/601, 600 in Kumaranellur Village, Kozhikode Taluk, Kozhikode. SIA/KL/MIN/450876/2023, 2439/EC2/2023/SEIAA**

Decision: The Committee examined the proposal and discussed it in detail. The total area of the project is 10.1903 Ha. As per the Cluster Certificate dated 15.11.2021, there are two other quarries within 500m radius with a total area of 8.148 Ha owned by the same company. In addition, there are many other operational quarries in the vicinity of the proposed site. The site falls in moderate hazard zone and the area, in general, is found moderately vulnerable to landslides as per the hazard zonation map. The life of mine proposed is 10 years and the production rate is 4 lakh TPA. **Based on discussions, the Committee decided to recommend Standard ToR under category 1 (a) Mining of Minerals with the following additional studies:**

1. Cumulative traffic management plan based on detailed traffic study, classification of different roads in the impact zone and carrying capacity assessment of roads within the impact zone
2. Detailed vulnerability assessment of the immediate neighborhood of the proposed site covering 1km distance from the project boundary all around considering the site-specific rainfall data, landform and slope characteristics, thickness and character of soil, natural drainage characteristics etc.
3. Comprehensive environmental management plan incorporating all the functional quarries in the impact zone
4. Hydrological and hydrogeological characteristics of the site and surrounding areas and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.

Item No.2 **Application for Terms of Reference for the Granite Building Stone quarry of Sri.Muhammed Ibrahim Palakkan, Rox Silicon Pvt. Ltd for an area of. 3.5589 at Resurvey Nos.1065/220,1065/227,1065/37,1065/234 &1065/216 in Melmuri Village, Eranad Taluk, Malappuram SIA/KL/MIN/445043/2023, 2456/EC1/2023/SEIAA**

Decision: The Committee examined the proposal and discussed it in detail. As per the Cluster Certificate dated 23.08.2023, there are three quarries within 500m radius altogether comes to more than 5 ha. The proposed area partly falls in an extensive moderate landslide hazard zone. Based on discussions, **the Committee decided to recommend Standard ToR under category 1 (a) Mining of Minerals with the following additional studies:**

1. Protective measures for the two steep sided quarry pits located at the south western side of the boundary.
2. Hydrological and hydrogeological characteristics of the site and surrounding areas and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.
3. Cumulative traffic management plan based on detailed traffic study, classification of different roads in the impact zone and carrying capacity assessment of roads within the impact zone
4. Detailed vulnerability assessment of the immediate neighborhood of the proposed site covering 1km distance from the project boundary all around considering the site-specific rainfall data, landform and slope characteristics, thickness and character of soil, natural drainage characteristics etc.
5. Comprehensive environmental management plan incorporating all the functional quarries in the impact zone

Item No.3 **Application for Terms of Reference for the Granite Building Stone quarry of Smt. Beenakumari. C for an area of 4.773 at Block No.32, Re-Survey No:288/1 in Koodal Village, Konni Taluk, Pathanamthitta.**
SIA/KL/MIN/451712/2023, 2451/EC2/2023/SEIAA

Decision: The Committee examined the proposal and discussed it in detail. As per the Cluster Certificate dated 29.09.2023, there are two quarries within 500m radius altogether comes to more than 5 ha. The Konni Forest is at 0.67 km. A part of the proposed area is in and extensive moderate landslide hazard zone. Accordingly, **the Committee decided to recommend Standard ToR under category 1 (a) Mining of Minerals with the following additional studies:**

1. Breach potential of the quarry pit and its environmental impact and possible disaster implications
2. Hydrological and hydrogeological characteristics of the site and surrounding areas and specific impact on the upstream and downstream portion of the watershed in which the proposed site falls.
3. Cumulative traffic management plan based on detailed traffic study, classification of different roads in the impact zone and carrying capacity assessment of roads within the impact zone

4. Detailed vulnerability assessment of the immediate neighborhood of the proposed site covering 1km distance from the project boundary all around considering the site-specific rainfall data, landform and slope characteristics, thickness and character of soil, natural drainage characteristics etc.
5. Comprehensive environmental management plan incorporating all the functional quarries in the impact zone
6. Detailed inventory with respect to the biodiversity status of the area and the implication of mining on it.

Part 3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Bobby Kuriakose for an area of 1.0553 Ha at Re-Sy Block No: 6, Re-Sy. Nos: 124/5-1-3, in Kodikkulam Village, Thodupuzha Taluk, Idukki SIA/KL/MIN/404158/2022, 2164/EC3/2022/SEIAA**

Decision: The Committee verified the additional documents submitted by the project proponent and found them satisfactory. The cluster certificate indicated three other quarries within 500m radius. The lease period of two of them with area of 3.8563 Ha and 1.5641 Ha is from the year 2010. None of the three quarries are now working as per the cluster certificate. Therefore, there is no cluster situation. The mineable reserve is 164560.5 MT and mine life is 7 years. The depth to water table is 49 m above MSL. The nearest built structure is 70m (site office) from the proposed area and distance to Moderate Hazard Zone is 6m. The site elevation varies from 93m to 78m above MSL prior to mining and 93-55m above MSL post mining. **The Committee after deliberations decided to recommend to issue EC for a period of 7 years subject to the following specific conditions:**

1. Haulage Road should be developed prior to the initiation of mining as per the proposal submitted to SEAC.
2. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
3. 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.
4. 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).
5. 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.

6. Geotagged Photographs of the progress of compensatory afforestation should be submitted along with HYCR
7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
8. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
9. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
10. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
11. Adequate sanitation, waste management, and restroom facilities should be provided to the workers.
12. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
13. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
14. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
15. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority
16. The temporary water tank (owned by nearby private party) for irrigation purpose is situated on the south side of the proposed site should be protected by providing a wall with GI sheet with minimum 3m height along the boundary.

Item No.2 Environmental Clearance for the Laterite building stone quarry of Sri. Abdul Vahid A. T for an area of 0.6637 Ha at Re-Survey No-54/1B (71) in Kuttikkattur Village, Kozhikode Taluk, Kozhikode SIA/KL/MIN/404425/2022, 2149/EC4/2022/SEIAA

Decision: The Committee discussed the field inspection report conducted on 30.07.2023. The project was presented before the SEAC in its 140th meeting. The committee after detailed verification of the documents and FIR decided to direct the proponent to submit the following additional documents.

1. Depth to water table in the nearest dug well along with distance to the well from the project boundary, geotagged photograph of the well and elevation of the well site above MSL.
2. Hazard zonation map of the area with project site overlaid on it
3. Detailed drainage map showing the connectivity of the overland flow to the natural drain as the project site is steeply sloping towards southern and western direction.

4. The proposed location of the topsoil dump and the protective measures proposed
5. Sketch showing the haulage road with its connectivity to the main road Presently there is no access road to the project site, and if present is not developed. need to be submitted.
6. Revised site-specific EMP incorporating CER along with proof of stakeholder consultation.

**Item No.3 Environmental Clearance for Granite Building Stone Quarry of Sri. Abdul Nazar A for an area of 0.7562 ha at Re-Survey Nos. 98/2-1, 98/1, 98/1-1 in Nellanad Village, Nedumangad Taluk, Thiruvananthapuram
SIA/KL/MIN/407637/2022, 1747/EC1/2022/SEIAA**

Decision: The 143rd meeting of the SEAC recommended rejection of the proposal invoking Precautionary Principle considering that the site is located on a very steep slope with very high vulnerability to landslides/landslips and that there are many houses and other built structures and a major road at the downslope region of the proposed site thereby any accidents or hazards in the proposed site will have very serious adverse impact on the land and properties of the downstream area. The 128th meeting of the SEIAA referred back the case to SEAC to give a final recommendation after giving a hearing opportunity to the project proponent. The Committee heard the proponent and his RQP in the 150th SEAC meeting and directed them to submit hearing notes within 7 days.

The Committee examined the hearing note and also a complaint received through email dated 11.9.2023 from Kadal Kaani Para Action Council without mentioning any names of its office-bearers. The hearing note stated that the survey map issued by the Village Officer, Nellanad shows only one house located within 100 m on the downstream area and there are no houses except two temporary sheds at a distance of 59.1 m and 84.9 m from BP4. It is observed during field inspection that there are 23 houses within 200 m radius. The hearing note also mentioned that the MC road is located at a distance of about 170 m. It is also stated in the hearing note that the average slope is only 15° and the highest and lowest elevations are 129m and 108m above MSL respectively with an elevation difference of 21m only.

The complainant stated that the application involves two other land owners namely Sri. V.K Roy, who is also the RQP engaged for the project and Sri. Hareesh. The complainant stated that these applicants approached the Revenue Department for the assignment of this property but was rejected and the same application has been resubmitted for appeal in SEIAA. The complainant also stated that there lies a Colony with more than 82 ST houses within a short radius of the proposed land and there is a huge Water Container Tank which supplies drinking water for the residents. The complainant also stated that there is only 150 m distance to the MC Road and two other applications near to this applicant's land has already been rejected by the SEAC for the reason that the property was underneath to a Rockfall area. The complainant has not submitted any proof regarding the allegations.

Based on discussions, the Committee decided to entrust Dr. R. Ajayakumar Varma and Dr. A.Bijukumar to examine the hearing note and the complaint and submit specific recommendation to the Committee, if needed after inspecting the proposed site.

**Item No.4 Environmental Clearance for the Laterite building stone quarry of Sri. Narayanan K., for an area of 0.0971 Ha., at Re-Survey Nos.-11/1A in Kolathur Village, Kasaragod Taluk, Kasaragod
SIA/KL/MIN/420606/2023 , 2274/EC2/2023/SEIAA**

Decision: The Committee verified the additional documents submitted by the project proponent and noted that the project was presented before the Committee in its 149th meeting. The Committee noted that the mineable reserve is 4250 MT and mine life is 1 year. The project cost is 10 lakh. The depth to water table is 12m below ground level. **Based on discussions, the Committee decided to recommend EC for the project with mine life of one year with 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 and also dust pollution.
8. Workers/laboures 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 pm)

Item No.5 Environmental Clearance for the Granite Building Stone Quarry of Sri. Maneesh P. Mohanan for an area of 0.8586 Ha at Sy. Nos. 476/1/15, 476/1/15, 477/2, 477/2/2, 477/2/4 in Thirumarady Village, Muvattupuzha Taluk, Ernakulam. SIA/KL/MIN/422091/2023, 2257/EC3/2023/SEIAA

Decision: The Committee examined the additional documents submitted by the project proponent. As per the application, the total mineable reserve is 1,69,049 MT. The life of mine is 5 years. The highest elevation is 106 m MSL and lowest is 74 m AMSL. The Committee also verified the compliant received on 23.11.2023. Based on discussions, **the Committee decided to recommend EC for the project life of 5 years subject to the following Specific Conditions in addition to the General Conditions:**

1. Development of green belt should be initiated prior to the commencement of mining using indigenous species.
2. A temporary wall with GI sheet with a minimum height of 3m along the boundary at BP-5 to BP-9 should be provided prior to the commencement of mining
3. 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.
4. The width of haulage road should be widened to 8 mts before commencing of the mining operation and the details should be given in the first HYCR
5. The impact of vibration due to blasting on the houses and other built structures within 500m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
6. Mining should be limited to 70 m above MSL considering the depth to water table.
7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
8. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
9. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Water quality of the stream to which the drainage water is discharged should also be monitored. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
10. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
11. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
12. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).

13. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
14. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
15. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Ground water Authority.
16. Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR.
17. Regular water sprinkling arrangement should be provided in the haulage road as well as in the access roads within 1 km radius considering the sensitive areas like school zones, temples and churches
18. Compensatory afforestation has to be carried out within the first two years and geotagged photographs of the progress of compensatory afforestation should be incorporated in the HYCR
19. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.

Item No.6 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Vishnu P.T for an area of 0.1566 Ha at Sy.No.418/1-230 in Edayur Village, Tirur Taluk, Malappuram.
SIA/KL/MIN/426500/2023, 2284/EC6/2023/SEIAA

Decision: The Committee examined the documents submitted by the Proponent and found them satisfactory. The project was presented before the Committee in its 149th meeting. The Committee noted that the mineable reserve is 16443 MT and mine life is 1 year. The project cost is 15 lakh. The depth to water table is 5m bgl at the spot with elevation 117m above MSL. Based on discussions, **the Committee decided to recommend EC for one year with 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 and also dust pollution.
8. Workers/labourers should be provided with facilities for drinking water and sanitation.

9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of 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 pm)

Item No.7 Environmental Clearance for Laterite building stone quarry of Sri. Luka P.J, for an area of 0.9784 Ha at Re-Survey No.149/2,150/56 in Kadalundy Village, Kozhikode Taluk, Kozhikode
SIA/KL/MIN/428190/2023, 2279/EC4/2023/SEIAA

Decision: The Committee discussed the field inspection report. As per the application, the total mineable reserve is 85610 MT with annual production of 21402.5 MT. The highest elevation is 64 m MSL and lowest is 41 m MSL. The mine life is 4 years. The project cost is 30 Lakh. Based on field inspection report, the Committee noted the following:

1. The site is highly sloping towards the Kadalundi river, which is 700 meters from the project site. The chance of erosion and siltation to the river is expected to be higher during quarry operation. The drainage plan submitted is only concerning the project site.
2. Due to the slope of the terrain, OB / top soil dump requires protection and such details are not specified in the mining plan.
3. A church is in the northern side of the project site and the proposed site belongs to the church. There is no separate access road to the project site.
4. The area adjoining the project site has already been subjected to mining

The Committee also noted the necessity of the following additional documents:

- a) A detailed drainage plan for the site and surrounding areas including the area up to Kadalundi river.
- b) Map indicating the site of storage of OB dump / top soil with protective measures considering the slope of the terrain.
- c) Road map to the project site

- d) Depth to water table in the nearest dug well along with geotagged photograph of the well, distance of the well from the project boundary and elevation of the well site above MSL.
- e) Litho section map and characteristics of laterite encountered.
- f) Revised site-specific EMP considering the slope and erosion proneness of the project site and with measures to control erosion / siltation to nearby water bodies.
- g) Land use details of the project site along with green belt development proposal.
- h) Revised CER as per the guidelines uploaded in the SEIAA-Kerala website. The specific activity for which the CER fund will be utilized by the beneficiary (Taluk Hospital Feroke) is not specified in the CER proposal submitted.

Based on discussions, the Committee decided to invite the proponent for presentation.

The Committee decided to convene its next meeting on 18th & 19th December 2023. The meeting came to an end at 5.00 pm 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	02.12.2023
1.	Dr.R.Ajayakumar Varma (Chairman)	✓
2.	Shri. Sheik Hyder Hussain	✓
3.	Dr.A.Bijukumar.	X
4.	Dr.A.N.Manoharan	✓
5.	Shri. M.Dileepkumar	✓
6.	Smt. Beena Govindan	✓
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	✓
14.	Sri.Suneel Pamidi,IFS (Member Secretary)	✓