

MINUTES OF THE 140TH MEETING OF THE SEAC, KERALA HELD FROM 13TH TO 15TH MARCH 2023 IN THE CONFERENCE HALL, STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KERALA

The 140th meeting of the SEAC, Kerala was held from 13th to 15th March 2023. The meeting started at 10.00 AM on 13th March 2023. Dr. R. Ajayakumar Varma, Chairman, SEAC Kerala chaired the meeting.

The Committee discussed the agenda items in general and observed that in most of the application submitted for EC, the post closure environmental scenario/post mining land use of the mine is not provided. It is also observed that the EMP is not prepared based on identification of site-specific environmental issues, especially in the case of B2 Projects. Similarly, the depth to water table monitored in the nearest dug well to the site along with geo-tagged photographs of the well monitored and ultimate mine depth proposed are also not provided. Also the anticipated requirement of water for the proposed project, specific source proposed for drawing the required for the source and their safe yields are often not provided based on logical norms. Therefore, the Committee decided to view such shortcomings in the application seriously including delisting of those applications which do not provided such essential information for appraisal.

140.01 Confirmation of the minutes of the 139th SEAC meeting held from 3rd & 4th March, 2023.

Decision: Noted

140.02 Judgement in WP(C) No. 12147/2020(P) dated 09.09.2020 filed by A.K.Joseph, Arackal House, Mundathadam, Parappa, Kasargod, 671533 Jimmy Alex, Manjakunnel, Parappa P.O, Kasargod, 671533, Vinayan V.K , District Environmental Samithi, Parappa, Kasargod

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Judgement in WP(C) No. 15745/2020(P) dated 18.08.2020 filed by K.P.Balakrishnan, Kanathil Parambil, Moolakayam, Parappa, Kasargod, Pramod.K, Parappa, Kasargod, Sudhakaran.M, Edavil Veedu, Parappa,

**Kasargod and U.V.Mohammed Kunhi, Valappil Kammadath, Parappa,
Kasargod (1992/EC2/2020/SEIAA)**

Decision: The Committee noted that an opportunity for a hearing was given to the project proponent based on his request submitted to SEIAA. However, the proponent intimated his inability to attend due to the inconvenience of his Consultant. Hence, the Committee decided to defer the item and give one more chance to the proponent for hearing.

**140.03 Environmental clearance for the proposed Building stone quarry project in,
Re Survey No. 76/8, 77/1, 77/2, 78/6, 97/1, 97/2 at Mancode Village,
Kottarakkara Taluk, Kollam District, Kerala by Sri. Arun Varghese,
Managing Partner, M/s Tasna Mines (File.No.1201/EC2/ 2018/ SEIAA).**

Decision: The Committee examined the proposal and verified all the supporting documents, FIR conducted on 18.02.2023, and the Judgments in appeal No. 22/2020 filed by Mr. Ravi and appeal No.21/2020 by Swathy.R regarding this quarry before NGT, (SZ) and observed the following:

1. On the basis of the order of the Hon'ble NGT (SZ) the 119th meeting of SEIAA intimated Mining Department to assess the environmental compensation for excess mining on the basis of the directions issued by the Hon'ble Apex Court in Common Cause Vs. Union of India (2017) and also the directions issued by the Principal Bench of National Green Tribunal in O.A. No. 360 of 2015 and other connected cases by order dated 26.02.2021 besides the royalty, fine and value already collected as per the mining law, within a period of 3 months under intimation to SEIAA.
2. The SEIAA referred the proposal to SEAC for considering the question of validity of the environmental clearance period based on the quantum of mining that can be carried out applying the "Precautionary Principle", the terrain of the area and the availability of mining articles and impact of mining on environment. This is to take an appropriate decision and make appropriate recommendation to the SEIAA, Kerala within 3 months considering the recommendation of the Joint Committee.
3. The EC was suspended on 29.11.2022 for four months to enable SEAC to complete appraisal and to complete the action by Mining department as ordered by NGT.
4. The Project Proponent has not submitted the CCR from IRO, MoEF&CC, Bangalore.

5. There were complaints from the public against the quarrying activity of the said project. The District collector requested SEIAA for a detailed report on the impact of quarrying on the environment and biodiversity as per the meeting chaired by Hon'ble Minister for Revenue on 02.11.2022 (Letter dt. 24.11.2022).
6. The Mining and Geology Department has not submitted the quantity extracted illegally and the compensation paid by the PP for the same.

The committee discussed the field inspection report conducted by the Sub Committee of SEAC and observed the following non-compliance to specific conditions and general conditions

Compliance with specific conditions:

| Conditions | Status |
|---|---|
| Designate 2 labour for periodic cleaning of silt trap and garland canal | No garland canal and silt traps noticed |
| Construction of protection walls for the OB dumping site to check spill over | Not complied |
| The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby. | Not complied |

Compliance with general conditions

| No | Condition | Status |
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| 1 | A separate Environmental management and monitoring cell with qualified personnel should be setup under the control of a Senior Executive, who will report directly to the Head of the Organization | Not complied |
| 2 | Suitable avenue tress should be planted along either side of the tarred road and open parking areas, if any, including of approach road and internal roads | Not complied |
| 3 | Sprinklers shall be installed and used in the project site to contain dust emissions | Complied |
| 4 | Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent | PP is aware about it |
| 5 | In view of the deep bits left after the excavation, stacking at maximum top level should be carried out | PP is aware about it |
| 6 | Corporate Environment Responsibility agreed upon by the proponent should be implemented | Complied |

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| 7 | The project proponent shall comply the conditions stipulated by the statutory authority concerned | PP is aware about it |
| 8 | Tarring/multiple options on the access roads shall be undertaken so as to reduce dust pollution during movement of vehicle | Complied |
| 9 | Over burden material should be managed within the site and used for reclamation of mine pit as per mine closure plan/specific conditions. | PP is aware about it |
| 10 | Height of benches should not exceed 5 m, and width should not be less than 5 m, if there is no mention in the mining plan/specific conditions. | Not complied |
| 11 | Ground level should be fixed in individual cases separately | Not Complied |
| 12 | No mining operations should be carried out at places having a slope greater than 45 ⁰ . | Complied |
| 13 | Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hallow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB. This condition is applicable only in such cases if a crusher is adjacent to the quarry | Not complied |
| 14 | The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc | Complied |
| 15 | Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water | Not complied |
| 16 | The transportation of minerals should be done in covered trucks to contain dust emissions. The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project. SEAC should assess the number of trees in each project site before the issuance of EC so as to ensure the promptness in planting. | Not complied |
| 17 | Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department | Complied |
| 18 | A minimum buffer distance of 100m from boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided | Complied |
| 19 | 50 m buffer distance should be maintained from forest boundaries | Complied |
| 20 | Consent from Kerala State Pollution Control Board under Water and Air Acts(s) should be obtained before initiating mining activity | Complied |
| 21 | All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives | Complied |

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| 22 | In the case of any change(s) in the scope of the project, extend quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which only the E.C is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority. | PP is aware about it |
| 23 | The Authority reserves the right to add additional safe guard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner | PP is aware about it |
| 24 | The stipulations by Statutory Authorities under different Acts and Notifications should complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981, The Environment (Protection) Act, 1986, The Public Liability (Insurance) Act, 1991 and EIA Notification, 2006. | PP is aware about it |
| 25 | The project proponent should advertise in at least two local newspapers circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Environment Impact Assessment Authority (SEIAA) office and may also be seen on the website of the Authority at www.seiaakerala.in . The advertisement should be made within 10 days from the date of receipt of the Environmental Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation | Not produced during the visit |
| 26 | The Environmental Clearance shall be put on the website of the company by the proponent. | Not complied |
| 27 | Proponent shall submit half yearly reports in soft copy and SEIAA will upload it on the website | Complied |
| 28 | The details of Environmental Clearance should be prominently displayed in a Metallic board of 3 ft. x 3 ft. with green background and yellow letters of Times New Roman font size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public | Complied |
| 29 | The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed | Complied |

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| 30 | No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modifications in the mine shall be carried out without prior approval of SEIAA, as applicable | Complied |
| 31 | The Project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken | Not complied |
| 32 | The top soil, if any, shall be temporarily stored at earmarked site (s) only for the topsoil shall be used for land reclamation and plantation. The overburden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained at 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textile shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. | Not complied |
| 33 | Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps, to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, and for green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly | Not complied |
| 34 | Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM ₁₀ and PM _{2.5} such as haul road, loading and unloading points, and transfer points – it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard | Complied |
| 35 | Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement at project site, parking area, on haul roads, loading and unloading and at transport points should be provided and properly maintained | Complied |
| 36 | Measures should be taken for maintaining noise levels below 85 dBA in the work environment | Not found during visit |
| 37 | The funds earmarked for environmental protection measures and CER activate should be kept in separate account and should not be diverted for | PP is aware about it |

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| | other purpose. Year wise expenditure should be reported to the State Environment Impact Assessment Authority (SEIAA) office | |
| 38 | The Regional Office of MOEF and CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authority should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports. | PP is aware about it |
| 39 | Any appeal against this Environmental Clearance shall lie with a National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of The National Green Tribunal Act, 2010 | PP is aware about it |
| 40 | Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in the withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986 | PP is aware about it |
| 41 | The SEIAA may revoke or suspend the order, for non-implementation of any of the specific or any of the above conditions. The SE IAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environmental protection | PP is aware about it |
| 42 | The mining operation shall be restricted to above ground water table and it should not intersect ground water table | Complied |
| 43 | All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution taking centre. Washing of all vehicles shall be inside the lease area | Complied |
| 44 | Project proponent should obtain necessary prior permission of competent authorities for drawal of requisite quantity of surface water and ground water for the project | Complied |
| 45 | Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mines lease area shall be carried out and reported in the six-monthly reports to SEIAA. | Not complied |
| 46 | Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed | Not complied |

The observations of the sub-committee are:

1. The proponent has not submitted CCR.
2. The ongoing extraction is not as per the mine plan: Only 2 benches at AA' and 2 benches at BB' (min. 10 benches at AA' and 5 benches at BB' should be there after 3 years as per

mine plan; For two years, 8 and 3 benches respectively). The height of the benches is more and may not be possible to correct it.

3. No garland canal, no silt traps observed.
4. OB dumps are not proper, no retaining wall, and not at the proposed site.
5. Buffer plantation is not satisfactory. No compensatory afforestation seen.
6. According to the proponent Mining and geology has assessed environmental compensation for excess mining. The subcommittee could not access the report.
7. The 94th SEAC recommended EC for three years (899740 MT; i.e. about 43% of the proposed mineable reserve) on the basis of the subcommittee report which says “..the hillocks are considered to be rich terrestrial biodiversity reserve next only to forest and sacred groves. The mining of the proposed quantity of rock will lead to the loss of the existing hillocks to a large extent. All the hillocks, especially those located in the southern midland region of the state has added significance to micro-climate of the region also”.
8. Total mineable reserve was 20,93,040MT and the life of mine was 10 years as per the approved mining plan. SEIAA issued EC for 5 years as per the approved production plan 1240350 MT for 5 years (3,00,000 for three years and 1,70,000 for two years= 12,40,0000 MT which is 59%).
9. According to the report submitted by Tahsildar, the mined-out quantity is 4,06,977.75MT and the balance is 16,86,062.25MT. This indicates that at the approved production rate, there is quantity for mining for 10 years (Life of mine) from the original EC date. However, certified extraction details are to be obtained from Mining and Geology Department.

Based on the observation of the Sub Committee of SEAC who conducted the field inspection and the compliance status, the Committee decided that an appropriate decision as directed by the SEIAA can be taken only after receiving the report of environmental compensation assessed by the Mining and Geology department. The Committee also decided to intimate the same to SEIAA.

140.04 Environmental Clearance issued from DEIAA, Kasargod for the granite building stone quarry in Re survey No. 193 at Maloth Village, Vellarikund Taluk, Kasargod District, Kerala -Judgment in WP (C) 21021 filed by Sinoj Thomas - regarding the validity of EC (File No.2242/ /EC2/2020/SEIAA)

Decision: The Committee examined the proposal and noted that the EC was issued by DEIAA Kasargod on 25.04.2018. The Committee discussed the field inspection report and observed that the proposed area is close to Kottanchery forest adjoining Coorg Hills and nearer to Tala Cauvery Wild Life Sanctuary and Brahmagiri of Karnataka. The site falls in the Western Ghats and is close to High Hazard Zone. The Proponent is yet to receive explosive license, probably considering the nearness to forest and wild life sanctuary. Certificate from Wild Life Warden is not submitted. Two small natural streams are flowing through the boundary of the proposed site. The sub-committee observed that similar areas are declared as ecologically sensitive areas and there are protests from the common public against the project. The Committee also observed that the SEIAA received two complaints from Sri. Vinayan, Secretary Kasargod Jilla Parishthithi Samithy (on 29.12.2020) and from Sri. Rijosh and Sri. Biju Jose (on 16.10.2020) on which report from the DC, Kasargod is received. In the report dated 14.01.2021, the DC intimated that as per the report of the District Geologist no mining permissions are issued to the PP at that time. In this background, **the Committee decided to invite the proponent for a presentation.**

140.05 Environmental Clearance for the quarry project of Sri. O. Muhammed Shareef, M/s. Port Land Granites Pvt. Ltd for an area of 5.8528 Ha in Sy.No.169/4, 169/1, 169/2, 169/3, 168/13, 168/2, 168/3, 171/8, 171/8, 171/8 & 171/3 of Pulikkal Village, Kondotty Taluk, Malappuram District-Revalidation of EC (File No.1071/EC1/2016/SEIAA)

Decision: The Committee discussed the filed inspection report conducted on 03.02.2023 and observed that the lease for the area was valid from 2010 to 2020 based on which mining was carried out from 17.3.2018 in the area for which EC was sanctioned (5.8528 Ha). This was stopped w.e.f. 5.12.2022 as the period of lease expired. Further, M&G Department issued Permit No. 17/2022-23/GR/DOM/M- 1978/2021 dated 9.12.2022 for mining from 0.6425 Ha in Re Sy No. 169/1-1 of Pulikkal Village of Kondotty Taluk with validity up to 8.12.2023. Quantity of extraction permitted is 39,000 MT. The PP has submitted Satisfactory CCR from IRO,

MoEFCC, Bangalore. **The committee after deliberations decided to direct the project proponent to submit the following additional documents:**

1. Location and plan for protection of overburden, topsoil and mine waste dump with gabion wall.
2. Drainage plan incorporating garland drain, silt traps, siltation ponds, outflow channel and connectivity to natural drain.
3. Plan for developing green belt all along the buffer zone with indigenous species.
4. Recently certified legible survey map from the Village office showing all the built structures within 200 m radius.
5. Latest scheme of mine or Certificate from the Mining & Geology department regarding the balance of mineable resource available for the area for which the EC was issued in 2018.

140.06 Environmental Clearance issued from DEIAA, Palakkad for the Granite Building Stone Quarry of Sri. K. J. Mathai, Managing Partner, M/s Three Star Metal Crusher in Vallapuzha Village, Pattambi Taluk, Palakkad District -- Judgment dated 23.03.2021 in WP (C) No.7525/2021 - Revalidation of EC.(File No. 1166/EC1/2021/SEIAA)

Decision: The committee verified the documents and noted that the EC was issued from DEIAA, Palakkad. The Committee noted the CCR received from the IRO, MoEFCC, Bangalore, other documents submitted by the proponent and discussed the field inspection report conducted. Based on discussions, **the committee decided to recommend that the project is eligible for revalidation of EC for a project period of 12 years from the date of the original EC i.e, 03-06-17 subject to the following additional specific conditions** in addition to the specific and general conditions stipulated in the original EC.

1. The project proponent should do the bench correction, slope maintenance, and buffer zone correction, etc. where ever required, with immediate effect.
2. Green belt along the buffer zone should be strengthened by planting vegetation of indigenous species and nurtured regularly
3. Garland canal with silt traps, siltation pond, outflow channel and connectivity to natural drain should be provided considering the entire project area
4. More number of avenue trees should be planted and nurtured

5. The cleaning and desiltation of silt traps, siltation pond and outflow channel should be done periodically and the geo-tagged photographs of the process should be included in the HYCR.
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 retaining/protective wall should be provided for the topsoil and overburden storage.
8. Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
9. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
10. Adequate sanitation, waste management, and rest room facilities should be provided to the workers.
11. Adequate energy conservation measures proposed should be implemented including solar power installations for street lights and office.
12. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR.
13. Buffer zones should be demarcated and planted with local plants, climbers and herbs as mentioned in the biodiversity assessment report.
14. No mining should be done where the slope is more than 45°

140.07 Environmental Clearance for the Proposed Group Housing Project, GREEN VISTAS – “PRAKRITI” at Re-survey No.359/3, of Kakkanad village, Thrikkakara Municipality, Kanayanur Taluk, Ernakulam District, Kerala by Mr. Saurabh Gulechha, Chief Operating Officer, M/s Green Vistas Infrastructure Projects. (File No. 1189 (A)/EC2/2018/SEIAA)

Decision: The Committee examined the direction of 123rd SEIAA and the clarification submitted by the proponent as per the 136th meeting. The committee on verification of the clarification decided to conduct the field visit and examine the feasibility of the Remediation Plan and Community and Natural Resource Augmentation Plan. **Hence the Committee decided to entrust Dr. R Ajayakumar Varma and Dr. Ajithkumar for field inspection and report.**

140.08 Environmental Clearance for the Mining of Building Stone Quarry Project in Re-Survey No. 8/9, in Alakkod Village, Thodupuzha Taluk, Idukki District, Kerala by Mr. U. I. John, Managing Partner, M/s Marthoma Granites - Judgment of Hon'ble Supreme Court in C.A. No. 878/16 arising from SLP(C) 27079/2011 filed by M/s Marthoma Granites (File No. 1413(A)/EC1/2019/SEIAA)

Decision: The Committee noted the minutes of the Authority on the decision of the 135th SEAC meeting to recommend EC subject to the production of some documents. The Committee also noted the decision of the 122nd meeting of the SEIAA, the documents submitted by the proponent and direction of the Authority to SEAC to submit specific recommendations with validity of EC, specific conditions, etc. The committee observed that the proponent has not submitted the proof showing the production and dispatch of building stone verified/ authenticated by the Mining and Geology Department. Instead the Proponent in his letter intimated that the approved mine closure plan is submitted as proof, since prior to the preparation of mine closure plan, measurements were carried out in the mine by Revenue Department on the direction of Mining and Geology Department to determine the mined out quantity from the inception of mine lease (i.e. from 12.11.2008) till its closure (i.e. up to 25.07.2015). It is noted that as per the Mine Closure Plan, the total quantity of mineral extracted during the operation time is 3,39,642.50 MT but the quantity estimated and submitted by the PP is only 2,30,818 M. There is a difference of 1,08,824.50 MT. The Proponent initially submitted proof of compensation paid Rs. 25,85,162/- for the illegal mining of 2,30,818 MT. Further, the Proponent submitted photo copy of the compensation paid Rs. 12,18,834/- for the illegal mining of 1,08,824.5 MT. In the circumstance, **the Committee decided to recommend EC for mining the remaining resource of 18,16,550 MT at the rate of 1,75,000 TPA for 10 years with the following specific conditions in addition to the general conditions.**

1. Development of green belt using indigenous species should be initiated prior to the commencement of mining.
2. The impact of vibration due to blasting on the houses and built structures within 200m should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
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. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
5. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half yearly compliance report (HYCR).
6. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
7. Overburden should be stored at the designed place and gabbion wall should be provided for the topsoil and overburden storage sites
8. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented.
9. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
10. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
11. Adequate energy conservation measures should be implemented including solar power installations
12. 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.
13. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road

The Committee also decided to notify the Authority to examine the adequacy of proof produced by the Proponent with regard to the excess mining carried out and the proof of two payments made towards compensation.

140.09 Environmental Clearance for the Proposed Quarry Project in Sy. No. 172 (pt) at Kodyathoor Village, Kozhikode Taluk, Kozhikode, Kerala by Sri. O. Sivarajan. (Judgment in WP© No. 15708/2021 filed by Sri. Akhil. O-regarding the validity of EC). (File No.917/SEIAA/EC4/3671/2015)

Decision: The Committee verified the documents submitted by the PP and observed that proposal with respect to CER and EMP are not satisfactory. **Therefore, the Committee decided to direct the Proponent to submit the following:**

1. Revised CER excluding the activities which are not specified in OM dated 30.09.2020 of MoEF&CC and incorporating the physical targets identified based on stakeholder consultation and detailed implementation details.
2. Revised EMP incorporating environmental issues identified in and around the site and site specific mitigation measures along with adequate budget and integrating the CER proposal.

The Committee also observed that another quarry with area 9.2995 Ha is given a mining lease in 2019 which makes a cluster condition of more than 5 Ha at present.

140.10 Environmental Clearance for the quarry project in Re-Sy.No.19/2 pt at Koodathai Village, Thamarassery Taluk, Kozhikode District, Kerala by Sri.Saji Jose (Judgment in WP© No. 18929/2020 filed by Sri. Saji Jose - regarding the validity of EC. (File No.2451/EC4/2020/SEIAA)

Decision: The Committee examined the proposal and verified the documents submitted by the project proponent including the CCR from IRO, MoEFCC, Bangalore, Scheme of Mining etc. **The Committee, based on discussion, decided to entrust Dr. A N Manoharan & Dr. C C Harilal for field level verification of the compliance of the EC conditions and environmental feasibility.**

140.11 Environmental Clearance for the Granite Building Stone Quarry Project in Re.Sy.No.1 at Kattippara Village, Thamarassery Taluk, Kozhikode District, Kerala by Shri. Abdulla Koya Thangal C.P - Judgment in WP (C) No.25699/2020 filed by Sri. Abdulla Koya Thangal, M/s Ruby Stone Crushers - regarding the validity of EC. (File No.2712/EC4/SEIAA/2020)

Decision: The Committee examined the proposal and verified the compliance report of the conditions suggested in its 134th meeting after conducting the revisit to the site by the Sub Committee entrusted with the task. Based on discussions, **the Committee decided to invite the proponent for presentation.**

140.12 Environmental Clearance for the Quarry Project in Sy. No. 611/1A-303-147 at Keerampara Village and Panchayath, Kothamangalam Taluk, Ernakulam District, Kerala by Sri. Reji Kuriakose and Smt. Jeeva Reji (File No: 144/SEIAA/KL/2745/2013)

Decision: The Committee verified the proposal and decision of the 123rd SEIAA and noted the observations in the 136th meeting. The SEIAA directed the Committee to assess the environmental damage caused due to illegal mining and report. Hence **the Committee entrusted Dr. Mahesh Mohan and Dr. K.N. Krishnakumar to assess the environmental damages caused by the PP and report.**

140.13 Complaint against quarrying operations owned by Mr. Ashly John Tharakan, Madaparambil House, South Mazhuvannur P.O., Mazhuvannur Village, Ernakulam, Kerala –Complaint submitted by Shri. K.M. Mathew– Reg. (File No. 290/EC3/2021/SEIAA)

Decision: The Committee examined the proposal and noted the decision of the 123rd SEIAA and observations in the 136th meeting. The SEIAA directed the Committee to suggest suitable penal measures for environmental damages. Hence **the committee decided to entrust Dr. Mahesh Mohan & Dr. K N Krishnakumar for assessing the environmental damages and report.**

140.14 Environmental Clearance for the Granite Building Stone Quarry of Sri. Maneesh P. Mohanan over an extent of 0.8586 Ha. at Sy. Nos. 476/1/15, 476/1/15, 477/2, 477/2/2, 477/2/4, Thirumarady Village, Muvattupuzha Taluk, Ernakulam, Kerala. - Rejected –For reconsideration (Proposal No. SIA/KL/MIN/139351/2020; 1714/EC3/2020/SEIAA)

Decision: The Committee examined the proposal and noted that as per the recommendation of 133rd SEAC the Authority in its 120th meeting rejected the proposal based on a built structure at a

distance of 20m. The rejection order was issued on 06-01-2023. Now Project Proponent submitted a request letter along with photographs, stating that he had demolished the structure which was situated at a distance of 20m. The Committee also noted that a complaint was received from the local residents on 12-01-2023. **The Committee decided to entrust Dr. Mahesh Mohan & Dr. K N Krishnakumar for field inspection and report.**

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

Decision: The Committee noted the decision of 123rd SEIAA along with the complaint and the report of the DC, Ernakulam. As per the direction of the SEIAA, **the committee entrusted Dr. R Ajayakumar Varma & Dr. Ajith kumar for field inspection and report.**

140.16 Environmental Clearance for the quarry project in Sy. No. 78/2A Pt at Kumaranellur Village, Karassery Panchayath, Kozhikode Taluk, Kozhikode, Kerala by Sri. Habeebu Rahiman P.M (Judgment in WP(C) No.12391/2020 filed by Sri. Habeebu Rahiman P.M, Kozhikode - regarding the validity of EC. (File No.646/EC4/4949/2014/SEIAA)

Decision: The committee verified the proposal and decision of the 121st SEIAA and noted the observations in the 134th meeting. The SEIAA directed the Committee to appraise the extension application separately and furnish definite recommendations based on field inspection and compliance status of original EC. The Committee noted that the Authority accepted the request of the Project Proponent for withdrawal of the application for EC revalidation and applied for validity extension of EC for the respective site through Parivesh Portal vide proposal No. SIA/KL/MIN/165825/2020 for an area of 2.9563 ha. The Committee also noted that Project Proponent submitted another application for the extension of EC for an area of 4.830ha in the same Sy. No. which is under consideration of SEIAA (SIA/KL/MIN/268719/2022). All these together become more than 5ha. In the proposal for revalidation of EC (now request for the extension of EC period as per proposal No. SIA/KL/MIN/165825/2020 for an area of 2.9563ha), the Committee observed non-compliance with the EC conditions and reported to SEIAA.

Besides, there are complaints filed by the Environment Protection Committee on 07.05.2022 with regard to the revenue information submitted by Profile Sands, Profile Granites and Tristar Quarry & Crusher and also on the category land alleging that the land is a plantation land. The Committee requested SEIAA that the Mining & Geology Department may be addressed to enquire and report. In addition to this, in the original EC, it was insisted that the maximum depth of mining from general ground level at the site should not exceed 10m. As per the site elevation map, the elevations of the site vary from 35m to 70m above MSL. **The Committee decided to recommend to the Authority to address Mining & Geology Department for examining whether the maximum depth of mine void exceeded beyond 10m below ground level. The Committee also decided to direct the Proponent to submit the following clarifications/documents:**

1. The Sy Number given in the EC, Mining Plan and Lease agreement is 78/2A. But the Non-Assignment Certificate, Possession Certificate etc. submitted as proof of land ownership indicates Sy Nos as 78/2353, 78/112, 78/111, 78/106, 78/109. Therefore, the Proponent is directed to submit clarification regarding the Survey Numbers recorded in EC order and Mining Plan and that in Possession Certificate and Non-Assignment Certificate.
2. The Proponent has not corrected the height and width of the benches and the slope is more than 45 degree in the quarry at place. Therefore, the Proponent is directed to submit a plan for providing benches of appropriate heights and achieving slope less than 45 degree.
3. The overburden thickness at places in the top portion of the project site is high. Therefore, the Proponent is directed to submit a detailed plan, preferably bio-engineering plan to avoid land collapse in such locations.
4. The Proponent is holding another EC (File No. 130/SEIAA/KL/2437/2013; SIA/KL/MIN/268719/2022) for a building stone quarry project named Profile Granites in the same Survey No. 78/2A. The google map showing both the site separated by a distance of about 400m as shown in the photographs attached to the FIR. In order to assist the evaluation of the cumulative environmental impact, the proponent is directed to submit a KML file showing both the quarries for which he holds EC.

5. There are other quarries in the vicinity and hence the project proponent is directed to submit a map of the area within 500m radius of the proposed quarry showing all the abandoned and functional quarries and all other built structures including houses, crushers, roads, high tension lines and all other built structures.
6. A recent Cluster certificate is not found uploaded. Therefore, the Proponent is directed to submit a recent Cluster Certificate from the Mining & Geology Department.
7. A recent survey map is not found uploaded. Therefore, the Proponent is directed to submit a recently certified Survey Map from the Village Office showing all the built structures within 200m
8. Environmental quality data submitted along with the application is old and therefore, the Proponent is directed to submit recently monitored environmental quality data.
9. Revised CER in consultation with stakeholders incorporating monitorable targets as per the Office Memorandum of the MoEF & CC
10. The garland canal along with intermittent silt traps are provided only partially. Since the over burden thickness is high at places, maintenance of drainage assumes significance. Therefore, the Proponent is directed to submit a detailed drainage plan considering the entire quarry area incorporating garland canal, silt traps, siltation pond, out flow channel connecting to a natural drain with adequate carrying capacity.

140.17 Complaint against the laterite building stone quarry project of Smt. Prajeena Parayil in Block No.210, Re.Sy.No.2/106 in Padiyoor Village, Iritty Taluk, Kannur Dist., Kerala. (SIA/KL/MIN/187772/2020) {1857/EC4/2020/SEIAA}

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140.18 Complaint against the laterite building stone quarry project of Smt. Prajeena Parayil in Block No.87, Re.Sy.No.35/1638 in Nuchiyad Village, Iritty Taluk, Kannur Dist., Kerala (SIA/KL/MIN/187777/2020) {1856/EC4/2020/SEIAA}

Decision: Environmental Clearance was issued to the two sites of Smt.Prajeena Parayil, Kannur for the period of 2 Years for extracting laterite building stone as per the approved Mining Plan as per the following two orders.

- Order No. SIA/KL/MIN/187772/2020 (File No.1857/EC4/2020/SEIAA) dated. 01.09.2022
- Order No. SIA/KL/MIN/187777/2020 (File No.1856/EC4/2020/SEIAA) dated. 01.09.2022

The Committee observed that the SEIAA in its 121st meeting deliberated the items and noted the contents of the letter no. DCKNR/11216/2022-DM6 dated 02.12.2022 from the District Collector, Kannur stating that many complaints have been received against the laterite stone quarry and an investigation was conducted by a District Level Committee. The report was forwarded to SEIAA for clarification. The Authority forwarded the report to SEAC to examine the report of the Sub Collector and suggest additional safety measures if any. The committee discussed the direction of SEIAA along with the request of the DC, Kannur incorporating the salient findings of the expert committee appointed by him. As one of the members of the expert committee constituted by the District Collector is a member of the SEAC, the committee got a briefing about the actual situation and recommendations of the expert committee. Based on discussions, the Committee observed that the commencement of mining is in the initial stage and it is understood that mining is not in the area stipulated in the EC. Therefore, **the Committee decided to recommend to the Authority to address the Mining & Geology Department to inspect the site and take urgent corrective measures for ensuring mining from the area for which EC is issued including penal actions for violations, if any. The Committee also decided to recommend the following directions:**

1. Mining should be done under strict control measures as per the approved Mining Plan and under strict compliance to the specific and general conditions given in the EC.
2. While allowing mining, stagnation of water in the mine pit should not be allowed and adequate drainage measures should be provided.
3. The mine waste generation in the site as well as in other sites is relatively higher and it shouldn't be stored at or near the slope area.
4. All the laterite mines in the area including the one under consideration should be allowed to operate only after adopting adequate drainage and preventing accumulation of water in the operational and abandoned mine pits in the area.

140.19 Environmental Clearance for the granite building stone quarry project in Re.Sy.Block No.7, Re.Sy.No.93/27 at Raroth Village, Thamarassery Taluk, Kozhikode District, Kerala by Sri.Sreelath.T, Judgment dated.19.12.2022 in WP(C)No.34050/2022-(SIA/KL/MIN/271936/2022, 1995/EC4/2022/SEIAA)

Decision: The Committee noted the decision of the 123rd SEIAA meeting regarding the Wildlife Clearance from the NBWL. The Committee observed that the EC was issued to the Project Proponent on 02.12.2022 for the period of 5 years subject to condition that the Project Proponent should obtain mandatory Wildlife Clearance before the commencement of mining activity. **The committee discussed the direction of SEIAA and decided to direct the proponent to submit the letter from the Wildlife Warden, regarding the distance of the site from the Malabar Wild life Sanctuary and the width of the proposed/approved ESZ appropriate to the site and statement whether the site falls within the proposed/approved ESZ around Malabar Wildlife Sanctuary.**

140.20 Environmental Clearance for the proposed Granite Building stone Quarry Project in Re-Survey Nos. 209/2 of Tripangottur Village, Thalassery Taluk, Kannur District by Sri. Pushparajan. T, Kannur. (File No. 3194/EC4/SEIAA/2022)

Decision: The Committee discussed the direction of the Authority in its 123rd meeting and noted the judgment dated 20.12.2022 of the Hon'ble High Court in WP (C) No. 35871/2022. The Committee noted that the Authority agreed to accept the prayer of the petitioner in the WP(C) and decided to issue a clarification letter by considering the S.O. 1807 (E) dated 12.04.2022 that the validity of EC shall be for the period mentioned in the original EC from the date of issuance of lease/permit issued by the Mining & Geology Department. As directed by the Authority, **the Committee decided to entrust Sri. V. Gopinathan and Dr. A.N. Manoharan to inspect the project area and furnish a report on the compliance of EC conditions so far.**

140.21 Environmental Clearance for the granite building stone quarry project of Sri.A.M.Muhammed Ali, M/s.Mubaraq Granites in Sy. No. 93/1 pt, 94 pt, 95 pt, 96 pt of Perakamannna Village, Ernad Taluk, Malappuram – Request for revalidation (File No.902/SEIAA/EC1/3463/2015)

Decision: The Committee examined the proposal and discussed the decision of the 123rd meeting of SEIAA along with judgment in WP (C) No. 32821 of 2019 and WP (C) No. 24450 of 2021. The Committee noted that the District Collector has issued operational clearance to the

Project Proponent subject to conditions on 22.11.2022 by revoking the Stop Memo. The Committee also noted that in the Mining Plan (approved on 03.08.2015) submitted during the issuance of EC, the mineable reserve is mentioned as 11,40,441 MT with an annual production of 3,00,000 MT and the life of mine is 4 years. Now the Proponent submitted another Mining plan approved on 26.11.2017 for revalidation in which the mineable reserve is mentioned as 20,00,000 MT with an annual production of 2,00,000 MT and the life of mine is 10 years. **The Committee decided to entrust Dr. R. Ajayakumar Varma for a detailed evaluation of the project** and submit a report for enabling further appraisal of the project.

140.22 Environmental Clearance for the proposed Granite Building stone Quarry Project in Block No. 22, Survey Nos. 41/1-2 of Vellilapally Village, Meenachil Taluk, Kottayam District by Sri. Alex Augustine, Chokkattu House, Kadanadu P.O., Kottayam (DEIAA, Kottayam

File No. 3197/EC3/2022/SEIAA

Decision: The Committee noted the decision of SEIAA 123rd SEIAA and decided to entrust Dr. Mahesh Mohan and Dr. K N Krishnakumar for field inspection and report.

PART 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/239511/2021, 2096/EC4/2022/SEIAA

Environmental Clearance for the Granite Building Stone Quarry Project of M/s Elayadam Constructions Pvt. Ltd, in Re Sy. No. 285/2 and 6 at Purameri Village, Vadakara Taluk, Kozhikode District, Kerala State over an area of 0.9999 Ha. (Presentation)

Decision: The Committee examine the proposal and observed that the total mineable reserve is 358640 MT with maximum production of 1,20,000 MTA and the mine life is 4 years. The Project cost is 1.3 Cr. The nearest built structure is about 200m. The depth to water table is

reported as 10m bgl. As invited, the Proponent, Sri. Biju, and Sri. Hareesh G Thampy, RQP were present. The RQP made the presentation. The committee heard the presentation and observed that the proposed area partly falls in a moderate hazard zone and includes an abandoned quarry pit. The elevation difference of the site is 126m to 100 m amsl. The ultimate depth of mine proposed is 70m amsl. The proponent informed that the proposed area is more than 10km (11.90 km) and therefore the letter from DFO, regarding the distance from wildlife sanctuary has not been provided. The committee noted the following shortcomings.

1. Letter from the WL Warden stating the distance of the proposed area from the boundary of the WLS, width of the proposed/approved ESZ around the WLS and whether the site falls in the buffer zone or not.
2. PFR is prepared without referring to DSR.
3. EMP needs revision incorporating environmental issues identified in and around the site and site specific mitigation measures along with adequate budget .
4. CER needs revision to incorporate the physical targets identified based on stakeholder consultation and detailed implementation details.

Hence committee decided to entrust Dr. C C Harilal and Dr. A N Manoharan for field inspection and report.

2. SIA/KL/MIN/260249/2022 , 1976/EC1/2022/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry of Sri.P. A. SAID MUHAMMED, Managing Partner, M/s KORIAN GRANITES in Re-Survey No. 201/1 in Keralassery Village, Ottappalam Taluk, Palakkad District, Kerala for an extent of 0.5684 Ha (Presentation)

Decision: The Committee examined the project and observed that the total mineable reserve is 55445 MT and average annual production is 20,000 MT for a proposed mine life of 3 years. The Chulanur Peafowl Sanctuary is at 11.5 Kms. The medium hazard zone is at 6.40 km and High hazard zone is at 14 km. The project cost is 45 lakh. As invited, the project proponent, Sri. Said Muhammed, and RQP Sri. V K Roy were present. The RQP made the presentation. The Proponent submitted that there are no houses within 200m except one dilapidated house at 61m. The highest and lowest elevations are 65m & 55m above MSL. The proposed area does not fall

in a hazard zone. Some portion of the proposed area is already mined. The present land use pattern in Form 1 is stated only about the green belt. The ultimate mine depth proposed is 40m above msl. The depth to water table is 8-10m bgl. The Committee noted the submission of the RQP that the project is located in Palakkad taluk though it is mentioned as Ottapalam in the application. Based on discussions, the Committee decided to seek the following additional details.

1. Revised Project cost incorporating all the capital and recurring cost of the project including the provision of haulage road.
2. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
3. Revised CER as per OM dated 30.09.2020 of MoEFCC incorporating monitorable physical targets evolved through stakeholder consultation and proof of stakeholder consultation and detailed work plan and budget.
4. PFR need revision by considering the DSR.
5. Detailed Biodiversity study report.
6. Recently certified legible survey map.
7. Present land use pattern and greenbelt plan.
8. Compensatory afforestation plan along with coordinates of the proposed site, geo-tagged photographs of the site and consent/ownership details as the site proposed for compensatory afforestation plan is not feasible.
9. Requirement and source of water along with source sustainability.
10. Detailed drainage plan and management plan for the check dam.
11. Pre-mining and postmining land use scenario in and around the proposed site
12. Post closure environmental scenario/post-mining land use plan of the proposed site. .

3. SIA/KL/MIN/278399/2022, 2095/EC4/2022/SEIAA

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K. Gangadharan at Re-Survey No. 151/1 of Puthur Village, Thalassery Taluk, Kannur District, Kerala for an area of 0.8456 hectare. (Presentation)

Decision: The proponent intimated that his environment consultant (M/s Environmental Engineers and Consultants Pvt. Ltd.) and his team is engaged in the re-accreditation audit of the organization during the same period and hence the consultant is not available. So, they requested to consider his proposal in the next SEAC meeting or any subsequent meeting as per the convenience of SEAC. **Hence committee decided to invite the proponent for presentation in the next SEAC meeting.**

4. SIA/KL/MIN/279609/2022 , 2119/EC2/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr Pratheep K. C over an extent of 0.0971 Ha, Survey No- 628/1A1pt12 in Munnad Village, Kasargod Taluk, Kasargod District, Kerala (Presentation)

Decision: The Committee examined the proposal and observed that the mining of laterite is proposed from an area of 0.0971 Ha with total mineable reserve of 4300 Metric Ton and life of mine of 1 year. The depth to water table is reported as 6 m below ground level measured in a well at a distance of 98m. The Proponent, Sri. Pratheep K C, and RQP Sri. A Muhammed Kunhi attended the presentation. The RQP made the presentation. The mining is proposed for a depth of 3m. Based on discussions, the Committee decided to seek additional documents from the Proponent.

1. Recently certified legible survey map from the Village Office indicating distance to all the built structures, road etc up to 100m from the project boundary.
2. Drainage plan so as to prevent waterlogging in the area.
3. Geotagged photographs of the site.
4. Post mining land use of the site on closure of the mine.

5. SIA/KL/MIN/280486/2022, 2135/EC2/2022/SEIAA

Environmental Clearance for the proposed Granite (Building Stone) Quarry of area 0.9125 Ha in Block No. 26, Re-Survey Nos: 152/5pt, 152/6pt & 155/12pt of Valakom Village, Kottarakkara Taluk, Kollam District, Kerala of N Asokan (Presentation)

Decision: The Committee examined the proposal and noted that the total mineable reserves is 1,51,842.5 MT and the average rate of production is 50,614 MT per annum and the Project cost

is 1.58 Cr.. The life of mine is 3 years and the nearest house reported is at 77.4m. The Proponent, Sri. N Asokan , and the RQP Sri. V K Roy attended the presentation. The RQP made the presentation. The committee observed that there are 8 houses situated within 50m to 150m and the elevation difference of the site is 133m and 109m above msl. The depth to water table is 8 to 10m bgl measured from a well at a distance of 130m. The proposed area is not in landslide hazard zone. Based on discussions, the Committee directed the Proponent to submit the following additional documents.

1. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
2. Recently certified legible survey map from the concerned Village Office showing all the houses other built structures, road, etc within 200m from the boundary of the project area
3. Recent Cluster Certificate from Mining & Geology Department.
4. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
5. Compensatory afforestation plan along with coordinates of the proposed site, geo-tagged photographs of the site and consent/ownership details
6. Post closure environmental scenario/post-mining land use plan of the proposed site.

6. SIA/KL/MIN/284986/2022 , 2122/EC1/2022/SEIAA

Granite Building Stone Quarry of Mr. P. P Asharaf at Survey No.305/1A and 305/1B in Thrithala Village, Pattambi Taluk, Palakkad District, Kerala (Presentation)

Decision: The Committee examined the proposal and noted that the proposed site is of extent 0.9691Ha with total mineable reserve of 270400 MT and mine life of 5 years. The depth to water table is 7m bgl or 58 m above MSL. The ultimate mine depth will be 55m above MSL. The Proponent, Mr. P P Ashraf, and RQP, Mr. Nazar Ahmmed attended the presentation. The RQP made the presentation. The elevation difference is 75m to 65m above msl and an abandoned quarry is located adjacent to the proposed area. The Peechi –Vazhani wildlife sanctuary is

situated more than 24km. Based on discussions, the Committee directed the Proponent to submit the following documents:

1. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
2. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
3. Revised PFR in reference to the DSR
4. Compensatory afforestation plan along with coordinates of the proposed site, geo-tagged photographs of the site and consent/ownership details
5. Recently certified legible survey map from the concerned Village Office showing all the houses other built structures, road, etc within 200m from the boundary of the project area
6. Recent Cluster Certificate from Mining & Geology Department.
7. Detailed drainage plan
8. Depth to water table monitored in the nearest dug well.
9. Post closure environmental scenario/post-mining land use plan of the proposed site.

7. SIA/KL/MIN/400725/2022 , 2128/EC6/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr. Mohammed Shafi. E over an extent of 0.8593 Ha, Re-Survey No- 449/2 in Vazhakkad Village, Kondotty Taluk, Malappuram District, Kerala. (Presentation)

Decision: The Committee examined the proposal for laterite extraction from an area of 0.8593 Ha with total mineable resource of 84556.5 MT and proposed mine life of 4 years. As invited, the Proponent, Sri. Mohammed Shafi, and RQP, Dr. Nazar Ahmed were present. The RQP made the presentation. The Kml file is not properly uploaded. The proposed area is located on Mailadikunnu, about 0.01km away from the moderate hazard zone on the slope. The nearest well is 176.76m from BP1. The committee observed that the site elevation given in the lithosection & contour map are different. The Committee decided to direct the Proponent to submit the following documents:

1. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
2. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
3. Detailed drainage plan to avoid stagnation of water in the quarry pit
4. Depth to water table monitored in the nearest dug well.
5. Risk Management Plan as the site is located on the slope adjacent to the moderate hazard zone
6. Clarification on the type of road adjacent to the site
7. Clarification on the actual elevation of the site as the same given in litho-section is different from that given in the contour map.
8. Post mining land use of the site on closure of the mine.
9. Kml file is to be provided.

8. SIA/KL/MIN/402677/2022, 2151/EC3/2022/SEIAA

Environmental clearance for Ordinary Earth Mining Project of Ms. Sanija Willson at Re.Survey No.385/2-4, 385/3-4 Mulanthuruthy Village, Kanayannoor Taluk, Ernakulam, Kerala Over an area of 0.5666 Ha. (Presentation)

Decision: The Committee examined the proposal and noted that the total quantity to be extracted is 50112MT and mine life is 3years. The depth to water table proposed is 6m bgl. The Committee verified the documents submitted by the proponent and observed that the earlier application of the proponent was rejected by the 119th SEIAA due to a contradiction in the documents submitted by the Proponent. Now the proponent has submitted a fresh application. The Proponent, Smt. Sanija Wilson, and RQP Sri. Nazar Ahmmed attended the presentation. The RQP made the presentation. The committee heard the presentation and observed that the nearest built structure is at 7m but it is not mentioned in the survey map. The committee found that CER is not provided. **The committee entrusted Dr. K N Krishnakumar & Dr. Mahesh Mohan for field inspection and report.**

9. SIA/KL/MIN/402921/2022, 2146/EC3/2022/SEIAA –

The building stone quarry project is situated at Survey Block No. 27, Re-Survey Nos. 231/19, 231/21, 231/8, 231/25, 231/30, 231/28-1, 231/28, 231/7, 231/27, 231/26, 231/29, 231/22, 231/6-8, 231/6-1, 231/6-3, 231/23, 177/9, 177/8, 231/9, 231/32, 231/33 in Vellavoor Village, Changanacherry Taluk, Kottayam District, Kerala for total mine permit area of 0.5141 Ha.of Sri. K. J. Thomaskutty (Presentation)

Decision: The Committee examined the proposal and noted that the total mineable reserve is 112128MT (annual production 37376 MTA) and mine life is 3 years. The nearest built structure is at 55.4m and the moderate hazard zone is at a distance of 3.01 km. The project area situated 3km from medium hazard zone. The Periyar Wild Life Sanctuary is more than 24km away from the proposed area. As invited, Sri. Sibi Mathew with authorization letter of the PP Sri. Thomas Kutty, and RQP, Sri. Jayachandra Panicker attended the presentation. The RQP made the presentation. The Committee observed that a crusher unit Is located 60m away from the proposed area and an abandoned quarry was working upto 2017 near the proposed area. The mine seems to have not implemented any mine closure plan and the proponent intimated that he had remitted fine to Mining & Geology for over-extraction. Based on discussions, the Committee decided to direct the Proponent to submit the following documents.

1. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
2. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
3. Compensatory afforestation plan along with coordinates of the proposed site, geo-tagged photographs of the site and consent/ownership details
4. Recently certified legible survey map from the concerned Village Office showing all the houses other built structures, road, etc within 200m from the boundary of the project area
5. Kml file.
6. The depth to water table monitored in the nearest dug well along with geotagged photographs.
7. Reason for non-closure of the adjacent abandoned quarry owned by the proponent.
8. Post closure environmental scenario/post-mining land use plan of the proposed site.

10. SIA/KL/MIN/403045/2022, 2168/EC2/2022/SEIAA

The Laterite Building Stone Quarry (Minor Mineral) mining project of G UNNIKRISHNAN is situated in Block No. 1, Re-Survey No: 483/1-1 of Sooranad North Village, Kunnathur Taluk, Kollam District, Kerala for an extent of 0.0809 hectares (Presentation)

Decision: The Committee examined the proposal. As invited, the authorized person, Mrs. Sherly Unnikrishnan, w/o of the PP with authorization letter of the PP, and RQP, Mr. V K Roy were present. The RQP made the presentation. The application was submitted for an area of 0.0809 Ha with total mineable resource of 5144 MT and life of mine of 1 year. The depth to water table is 15 m bgl. Based on discussions, the committee decided to recommend EC for the life of mine of one year subject to the condition that a buffer distance of 50m shall be provided between the houses and the project boundary and with the following specific conditions in addition to general conditions:

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

12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented as per norms
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).

11. SIA/KL/MIN/403254/2022, 2172/EC4/SEIAA/2022

Environmental Clearance for Laterite building stone quarry of Mr. George Joseph, over an extent of 0.1936 Ha, at Re-Survey No.143/61,63(143/1) in Perumanna Village, Kozhikode Taluk, Kozhikode District, Kerala, for an extent of 0.1936 Ha (Presentation)

Decision: The Committee examined the Proposal and noted that the total mineable reserve is 28740 M T (recoverable quantity 20118 MT) and mine life is 2 years. The elevation difference is 95-88m and the mine void is 6m. The nearest house is at 121.2m. As invited, the Proponent, Sri. George Joseph, and the RQP Sri. Nazar Ahmmed were present. The RQP made the presentation. The Committee observed that the proposed area does not fall in any hazard zone. The depth to watertable is 8m bgl in the well at a distance of 160m. Based on discussions, the Committee decided to direct the Proponent to submit the following documents.

1. Revised CER as per OM dated 30.09.2020 of MoEF&CC
2. Detailed drainage plan depicted in a map.
3. Depth to water table measured in the nearest dug well
4. Reason for non-closure of the adjacent abandoned quarry owned by the proponent.
5. Post closure land use plan for the proposed site.
6. Kml file

12. SIA/KL/MIN/404161/2022, 2152/EC4/2022/SEIAA

Environmental Clearance for the proposed Granite Building Stone Quarry of Mr. Abdul Gafoor over an extent of 0.4187 Ha. Re Survey Nos. 15/5 in Ulliyeri Village, Koyilandy Taluk, Kozhikode District, Kerala. (Presentation)

Decision: The Committee examined the proposal and noted that the total mineable reserve is 57845 MT (11569 TPA) and mine life is 5 years. The depth to water table is 8m bgl. The site does not fall in any landslide hazard zone. The Committee verified the documents submitted by the proponent and found that mining should be limited at 60m above MSL. The Malabar Wildlife Sanctuary is reported at 10 km. As invited, the Proponent, Mr. Abdul Gafoor, and the RQP, Mr. Nazar Ahmmmed were present. The RQP made the presentation. The Committee observed that the nearest house is reported at 154.16m and depth to water table is 57m above MSL. The ultimate mine depth proposed is 55m MSL. The mining has to be limited to 60m amsl considering the depth of water table. Based on discussions, the Committee decided to direct the proponent to submit the following additional documents:

1. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
2. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
3. Compensatory afforestation plan along with coordinates of the proposed site, geo-tagged photographs of the site and consent/ownership details
4. The depth to water table monitored in the nearest dug well along with geotagged photographs.
5. Letter from the WL Warden stating the distance of the proposed area from the boundary of the WLS and also the distance of the distance of proposed/approved ESD and also whether the site falls within the ESZ.
6. Post closure environmental scenario/post-mining land use plan of the proposed site.

13. SIA/KL/MIN/404403/2022, 2141/EC4/2022/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry in Block No. 91, Re-Survey No: 46/1373 of Kaliyad Village, Iritty Taluk, Kannur District, Kerala for an extent of 0.0971 Ha. (Presentation)

Decision: As invited, the Proponent, Mr. E Naseer, and the RQP Mr. V K Roy were present. The RQP made the presentation. The committee heard the presentation and observed that the

total mineable reserve is 12137.5 MT (proposed production is 8,496.25TPA) and mine life is 1 year. The depth to watertable reported is 12m bgl. The distance to the nearest house is 160m. The Project cost is 3.2 lakh. The committee verified the documents submitted by the Proponent and found them satisfactory. Based on discussions, the Committee decided to recommend EC for the mine life of 1 year with the following specific conditions, in addition to general conditions.

1. The excavation activity associated should not involve blasting.
2. The excavation activity should be restricted to 2m above the ground water table at the site.
3. The excavation activity should not alter the natural drainage pattern of the area.
4. The excavated pit should be restored by the project proponent for useful purpose.
5. Appropriate fencing all around the excavated pit should be made to prevent any mishap
6. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.
7. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.
8. Workers/labourers should be provided with facilities for drinking water and sanitation.
9. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
10. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented as per norms
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).

14. SIA/KL/MIN/404425/2022, 2149/EC4/2022/SEIAA

Environmental Clearance for the proposed, at Re-Survey No-54/1B (71) in Kuttikkattur Village, Kozhikode Taluk, Kozhikode District, and Kerala for an extent of 0.6637 Ha (Presentation)

Decision: The Committee examined the proposal submitted for an area of 0.6637 Ha with total mineable reserve of 82962.5 MT (Recoverable quantity is 58073.75 TPA) and life of mine of 4 years. The nearest house is at 118m and the depth to water table is reported as 8m bgl. As invited, the Proponent, Mr. Abdul Vahid A T, and the RQP, Mr. Nazar Ahmmed, were present. The RQP made the presentation. Based on discussions, the Committee decided to direct the Proponent to submit the following details/documents:

1. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
2. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
3. Revised drainage map and details of garland drains, silt traps, siltations, overflow channels and connectivity to natural drain.
4. Site photographs.
5. Hazard zonation map.

15. SIA/KL/MIN/404478/2022, 2142/EC4/2022/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry in Block No. 92, Re-Survey No: 23/813 of Kaliyad Village, Iritty Taluk, Kannur District, Kerala for an extent of 0.1942 Ha (Presentation)

Decision: The Committee examined the proposal and noted that the total mineable reserve is 15,741.25 MT, mine life is 1 year and project cost is 5 lakhs. The presentation is attended by the Proponent, Mr. Abdul Asees K P, and RQP Mr. V K Roy were present. It is observed that a shed is seen within the distance of 50 m, but the certified survey map of the Village officer does not indicate any built structure within 100m. Moderate hazard zone is at 308m. Based on

discussions, the Committee decided to direct the Proponent to submit the following documents/details:

1. Depth to watertable in the nearest dugwell with geotagged photographs of the well and distance from proposed area to the well.
2. Clarification whether the beneficiary as per the CER belongs to the list of life mission beneficiaries or any other Govt. schemes or member of BPL family, if so proof.
3. Clarification whether there is any built structure within the distance of 50m from the project boundary.
4. Post closure land use plan for the proposed site.

16. SIA/KL/MIN/405222/2022 , 2145/EC4/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr. Aji over an extent of 0.1886 Ha, Re-Survey No.33/225,33/262 in Kakkad Village, Kozhikode Taluk, Kozhikode District, Kerala (Presentation)

Decision: The Committee examined the Proposal and noted that the total proposed mineable reserve is 16502.5 MT and the nearest house is at 103m. As invited, the Proponent, Sri. Aji, and RQP Sri. Nazar Ahmmmed were present. The RQP made the presentation. The elevation difference is 162m and 144m above MSL and the depth to watertable is 8.2m bgl in a well at 141.1m away from the proposed area. The Iruvazhinji puzha is situated at a distance of 1.55km. Based on discussions, the Committee decided to direct the Proponent to submit the following documents/details:

1. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
2. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
3. Revised drainage plan to avoid stagnation of water in the mine pit.
4. Post closure land use plan for the proposed site.

17. SIA/KL/MIN/406956/2022 , 2155/EC1/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Sri. Muhammed, over an extent of 0.0809 Ha, Survey No. 385/3 in Kappur Village, Pattambi Taluk, Palakkad District, Kerala (Presentation)

Decision: The Committee examined the proposal and noted that the total reserve is 12135MT and the recoverable quantity is 8494.5 MTA with life of mine of 1 year. The elevation difference of the site is 50m to 53m above MSL and the nearest house is at 62 m north. The Project cost is 15 lakhs. As invited, the Proponent, Mr. Mohammed K P, and RQP, Mr. Nazar Ahammed were present. The RQP made the presentation. The committee observed that Peechi Vazhani wildlife sanctuary is situated more than 28km and Bharathapuzha river is at 7.9km. Based on discussions, the Committee decided to direct the Proponent to submit the following details/documents:

1. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
2. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
3. Revised drainage plan to avoid stagnation of water in the mine pit.
4. Recent Cluster Certificate.
7. Post closure land use plan for the proposed site.

18. SIA/KL/MIN/407320/2022, 2171/EC4/2022/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry in Block No. 107, Re-Survey No: 86/2503 of Maniyoore Village, Thaliparamba Taluk, Kannur District, Kerala for an extent of 0.0972 Ha (Presentation)

Decision: The Committee examined the proposal and noted that the average proposed production is 8,505 MT and mine life is 1 year. The depth to the water table is 20m bgl and the elevation of the site varies from 97m to 103m above MSL. The Project cost is 2.5 lakhs. As invited, the Authorized person, Sri. Manikandan with authorization letter of the PP Sri. Shijil, and the RQP,

Sri. V K Roy were present. The RQP made the presentation. The Committee observed that a house is situated at 95m and there is a slope from north to south direction of the proposed area.

1. Clarification whether the beneficiary as per the CER belongs to the list of life mission beneficiaries or any other Govt. schemes or member of BPL family, if so proof.
2. Site photographs with geo-coordinates.
3. Post closure land use plan for the proposed site.

19. SIA/KL/MIN/407328/2022, 2157/EC4/2022/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry in Re-Survey No: 26/162 of Panappuzha Village, Payyannur Taluk, Kannur District, Kerala for an extent of 0.2913 Ha. (Presentation)

Decision: The Committee examined the proposal and noted that the targeted production is 25,488.75 MT and life of mine is 3 years. The total project cost is 6.77 lakh. The depth to the water table is reported as 20m bgl and the mining is proposed to a depth of 5m. The Project cost is 6.77lakh. The Committee also observed that the documents submitted by the proponent indicates that there is a shed within 20m as per kml file. As invited, the Proponent, Sri. C P Sugunan, and the RQP, Sri. V K Roy were present. The RQP made the presentation. The RQP clarified that the shed within 20m is a temporary shed and is a resting place for laborers. Based on discussions, the committee decided to direct the proponent to submit the following documents/details:

1. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
2. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
3. Revised drainage plan to avoid stagnation of water in the mine pit.
4. Post closure land use plan for the proposed site.

20. SIA/KL/MIN/408064/2022 , 2182/EC6/2023/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr. Muhammed Afsal.T over an extent of 0.5579 Ha, Re-Survey No-134/2-9, 134/2-23, 137/3, 137/4 in Pulikkal Village, Kondotty Taluk, Malappuram District, Kerala. (Presentation)

Decision: The Committee examined the proposal and noted the recoverable reserve is 53697.875 MT and mine life is 3 years. The project cost is 20 lakh and the depth of final void is reported as 6m. As invited, the Proponent, Sri. Muhammed Afsal, and RQP, Sri. Nazar Ahmmed were present. The RQP made the presentation. The Committee observed that the nearest house is at 68.5m as per the survey map. Based on discussions, the Committee decided to direct the proponent to submit the following additional documents:

1. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
2. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
3. Depth to water table monitored in the nearest dug well along with its geotagged photographs of the well
4. KML file with boundary pillars
5. Post closure land use plan for the proposed site.

21. SIA/KL/MIN/408697/2022 , 2183/EC6/2023/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr. Abu Thahir. P. K over an extent of 0.9496 Ha, Re-Survey No-339/8,338/1-1,477/1-1 in Vazhakkad Village, Kondotty Taluk, Malappuram District, Kerala. (Presentation)

Decision: The Committee examined the proposal and noted that the recoverable reserve is 99708 MT and mine life is 3 years. The depth of mine void is 6m. The project cost is 30 lakhs. As invited, the Proponent, Sri. Abu Thahir, and RQP, Sri. Nazar Ahmmed were present. The RQP made the presentation. The Committee observed that the proposed area is at a distance of

105.44m from medium hazard zone. Based on discussions, the committee decided to direct the proponent to submit the following additional documents:

1. Compliance report from the proponent for the adjacent quarry of area 0.7649 Ha
2. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
3. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
4. KML file with boundary pillars
5. Revised drainage plan to avoid stagnation of water in the mine pit.
6. Post closure land use plan for the proposed site.

22. SIA/KL/MIN/409313/2022, 2170/EC2/2022/SEIAA

Laterite Building Stone Quarry project is situated at Survey No.56/1A in Kinanur Village, Vellarikund Taluk, Kasaragod District, Kerala for total mine permit area of 0.0971 Ha of Sri. Pradeep.T (Presentation)

Decision: The Committee examined the proposal and noted that the total recoverable resource is 4300 MT and the life of mine is 1 year. The project cost is Rs.15 lakh. As invited, the Proponent, Sri. Pradeep T, and the RQP, Sri. Muhammed Kunhi were present. The RQP made the presentation. The Committee observed that high hazard is at distance of 4.54km and nearest house at 180m. The depth to water table is 10m bgl. Based on discussions, the Committee decided to direct the proponent to submit the following additional documents:

1. Cluster certificate from Mining and Geology Department
2. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
3. Recently certified survey map from the concerned Village Office showing all the built structure, road, etc within 100m from the boundary of the project area
4. Depth to water table monitored in the nearest dug well along with geo-tagged photographs of the well.
5. Post closure land use plan for the proposed site.

23. SIA/KL/MIN/409820/2022 , 2176/EC2/2022/SEIAA

The Laterite Building Stone Quarry project of Mr. Dineshan. K, is situated at ReSurvey Nos.403/2pt in Bedadukka Village, Kasaragod Taluk, Kasaragod District, Kerala for total mine permit area of 0.0971 Ha. (Presentation)

Decision: The Committee examined the proposal and noted that the recoverable resource is 4100 MT and mine life is 1 year. The project cost is Rs.10 lakh. The final void is 4m bgl and the depth to water table is 13m bgl. There is a shed at 33m which is used as a pump shed. As invited, the Proponent, Mr. Dineshan K, and the RQP, Mr. Muhammed Kunhi were present. The RQP made the presentation. Based on discussions, the Committee decided to recommend EC for a period of One year as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha and with the following specific conditions in addition to general conditions:

1. The excavation activity associated should not involve blasting.
2. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.
3. The excavation activity should be restricted to 2m above the ground water 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 useful purpose.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap
7. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.
9. Workers/labourers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
11. 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 as per norms
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00am) and afternoon (3.30pm to 5 pm).

PART 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/INFRA2/404656/2022 , 2140/EC1/2022/SEIAA

Environmental Clearance for the Proposed City Side Developmental Project at Pettah Village, Thiruvananthapuram Municipal Corporation, Taluk & District, Kerala to be developed by M/s Adani Airport Holdings Limited. (Field Inspection Report Received)

Decision: The Committee examined the proposal and found that the proposal includes construction of a hotel (240 rooms), F&B (660 seats) and allied installations. The committee discussed the field inspection report conducted on 18.02.2023 and observed that the total plot area of the proposed project is 0.8093 ha (8,093.64 sq.m) and the total built-up area is 33,903 sqm. As per the FIR the Committee noted the following:

1. Proposal for rainwater harvesting is not having location, size, calculations for storm water generation etc.
2. Proposal for harnessing solar energy for meeting partial power requirement of about 7.20%. However, there is no provision/ details provided for KSEB Grid Connection.
3. Proposal for planting suitable trees and plants to compensate for the trees cut from the project area and for ensuring greenery in the area is not specific.
4. EMP cost proposed is about 3.73 % and it is not adequate to address all mitigation measures.

5. Parking for vehicles proposed is 348 Cars + 1,318 sq.m. space for two-wheeler but compensation for the loss of present vehicle parking facility is not given.

Based on discussions, the Committee decided to direct the proponent to submit the following additional documents:

1. Proposal for more efficient waste water treatment technologies in lieu of MBBR system for efficient handling of the flexible sewage generation load of Hotel, for ensuring better treatment efficiency for ensuring reuse / recycle of treated waste water.
2. Submit a revised storm water management plan incorporating rooftop collection, ground water recharging and rainwater storage and replenishment.
3. Provide details of treatment proposed for improving the quality of roof-top harvested rainwater for ensuring enhanced recycling and reuse within the compound.
4. Explore the possibility of increasing solar power generation from the present level of 7.21 % to higher level and connecting it to KSEB Grid, for ensuring better usage of non-conventional energy.
5. Explore the possibility increasing the use of solar power for lighting systems in the common places of the proposed hotel compound.
6. Proposal for planting suitable trees and plants to compensate for the trees cut from the project area and for ensuring development of a green belt in the area using indigenous species.
7. Provide details /action taken for compensating the loss of existing vehicle parking facilities available in the project site and adding up of additional parking requirements as per the KMBR provisions.
8. Provide a revised EMP addressing the mitigation of all the environmental issues anticipated during the planning, construction and operational phases of the project as the one submitted with only 3.73 % of the project cost seems inadequate.

2. SIA/KL/MIN/132461/2019, 1572/EC1/2019/SEIAA

Granite Building Stone Quarry over an extent of 4.4601 Hectares in Re-Survey Nos. 178/12pt, 178/11pt, 178/13pt, 168/6pt, 168/9pt, 168/10, 168/11pt, 183pt, 175/1pt, 177/1pt, 177/2pt & 178/1pt, at Pallickal Village, Block No.-26 of Varkala Taluk, Thiruvananthapuram District, Kerala State M/s. Crystal Granites (Presentation).

Decision: As per the decision of the 138th SEAC meeting the presentation of the project before the Committee should be done by the RQP or the EIA coordinator who prepared the Mining plan/ EIA report. The RQP who prepared the approved Mining Plan was absent, so, the committee decided to defer the item and to give one more chance to the project proponent for presentation of the project by the RQP.

3. SIA/KL/MIN/137919/2020, 2059/EC3/2022/SEIAA

Granite Building Stone Quarry of Sri. Baiju Joseph” over an extent of 0.9307 Ha. (2.2997 Acres) at Sy Nos. 463/5-4, 468/3-1 & 468/4-1, Thirumarady Village, Muvattupuzha Taluk, Ernakulam District, Kerala (Additional documents received).

Decision: The Committee examined the proposal and noted that the mineable reserves is 2,54,200.00 MT and average production proposed is 49,640.00 TPA. The life of mine is 6 years. The high and medium hazard zone is at 19.42km & 10.98km. The highest and lowest elevation are 90m and 70m. The Nedumala reserve forest is at 10.2km and Thattekad Bird sanctuary is at 27.24km from the proposed area. The ultimate mine void depth is 23 m amsl and the depth to water table is 3m bgl. The presentation was done in the 138th SEAC meeting. The committee verified the documents submitted by the proponent and found them satisfactory. **The committee decided to entrust Dr. Mahesh Mohan & Dr. K N Krishnakumar for field inspection and report.**

4. SIA/KL/MIN/165802/2020, 2191/EC2/2023/SEIAA

Environment clearance in respect of the Proposed Granite Building Stone Quarry over an extent of 0.4445 Hectares in Survey Nos. 41/6-2, 41/7pt , 41/8pt, 41/9-3, 41/9-

**4-1 & 41/9-4-1-2 of Velinalloor Village, Kottarakara Taluk, Kollam District, Kerala
by Mr. Udayan S (Presentation)**

Decision: As per the decision of the 138th SEAC meeting the presentation of the project before the Committee should be done by the RQP or the EIA coordinator who prepared the Mining plan/ EIA report. The RQP who prepared the approved Mining Plan was absent, so, the committee decided to defer the item and to give one more chance to the project proponent for presentation of the project by the RQP.

5. SIA/KL/MIN/189134/2020, 1953/EC3/2022/SEIAA

Environmental Clearance for the building stone quarry at Re-Survey No. 10/1- 2, 10/1-3,10/9,Block No.16 of Mookkannoor Village, Aluva Taluk, Ernakulam District, Kerala for an Area of 0.7694 Ha. (Presentation)

Decision: The Committee examined the proposal and noted that the total mineable reserve is 170193 MT (average annual production 26387 TPA) and mine life is 5 years. The depth to water table is 13m bgl. The nearest house is at 270m. The filed inspection was conducted and the Committee verified all the documents sought and observed that the Proponent submitted all the documents except willingness to constitute a monitoring committee under the chairmanship of the elected ward member, representative of the proposed mining project and representatives of the complainants, stating that the complainants are residing 300m from the area. Instead, the Project Proponent submitted the consent from the nearby families residing near the haulage road. As invited, the Proponent, Sri. Amal P Wilson, and the RQP Sri. Balaraman were present. The RQP made the presentation. The committee heard the presentation and decided to direct the Proponent to submit the following.

1. Road widening plan along with coordinates of the part of the road proposed to be widened.
2. Mitigative measures for the environmental and social issues raised by the complainants.
3. Post closure environmental scenario/post-mining land use plan of the proposed site.

6. SIA/KL/MIN/209954/2021 , 1951/EC1/2022/SEIAA

Environmental Clearance for the Building Stone Quarry of Sri. Sukumaran. K in Survey No.364 of Nagalassery Village, Pattambi Taluk, Palakkad District, Kerala (Presentation)

Decision: As per the direction of 122nd SEIAA, Committee heard the Proponent and RQP and reconfirmed the decisions taken in the 135th meeting of SEAC. Accordingly, the Committee decided to adhere to the decision taken to recommend EC for a mine life of 3 years subject to the following specific conditions in addition to general conditions.

1. The haulage road should be developed prior to the commencement of mining and it should be maintained well and dust-free with sprinkling arrangement.
2. Buffer zones should be demarcated and green belt should be developed by planting trees, climbers and herbs as mentioned in the biodiversity assessment report.
3. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to the nearest natural drain should be provided prior to the commencement of mining.
4. Garland drain should be enlarged to carry the entire overland flow of the adjacent sloppy region of the quarry.
5. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.
6. Monitoring of drainage water should be carried out at different seasons by an NABL-accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
7. OB dump site should be at the lower part of the site (near BP8). A gabion wall shall be constructed for the OB dump.
8. Compensatory afforestation plan should be implemented from the 1st year itself and the geo-coordinates and geo-tagged photographs of the area shall be submitted in HYCR.
9. The impact of vibration due to blasting on the nearest houses and other built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.

10. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).
11. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
12. Adequate energy conservation measures proposed should be implemented including solar power installations for street light and office
13. The Environment Management Cell (EMC) should include an Environment expert and the proceedings of the monthly meeting of the Environment Management Cell (EMC) should be submitted along with the HYCR
14. Boundary Pillars should be properly marked and fencing should be done properly.

7. SIA/KL/MIN/239760/2021 , 2013/EC1/2022/SEIAA

Granite Building Stone Quarry Project of Sri. C.H. Sakkariya, President, MANNARKKAD TALUK KARINKAL QUARRY OPERATORS INDUSTRIAL COOPERATIVE SOCIETY LTD having an area of 0.9669 Ha in Survey no. 395/5 Thachanattukara-I Village, Mannarkkad Taluk, Palakkad District. (Presentation)

Decision: The Committee examined the proposal and noted that the total mineable reserve is 264849 MT (average annual production 25000 TPA) and mine life is 11 years as per the application. The nearest built structure is 84.9 m. The maximum elevation is 130m above MSL. The ultimate depth of mining is stated as 105m above MSL.

As invited, the Proponent, Mr. C H Sakkariya, and the RQP Mr. V K Roy were present. The RQP made the presentation. The committee heard the presentation and decided to direct the proponent to submit Plan for Compensatory afforestation along with coordinates of the proposed site and geo-tagged photographs of the proposed site for afforestation and consent from land owner if it is not owned by the proponent or proof of ownership of the land.

8. SIA/KL/MIN/258433/2022, 2063/EC3/2022/SEIAA

Environmental Clearance for the building stone quarry at Re-Survey No.120/5, Block No.12 of Kombanad Village, Kunnathunadu Taluk, Ernakulam District, Kerala for an Area of 1.8501 Ha (Additional Documents received)

Decision: The Committee examined the proposal and noted that the total mineable reserve is 6,22,303 MT (51,859 TPA) and mine life is 12 years. The highest elevation is 92 m and lowest elevation is 51m above MSL. As per cluster certificate dated 16.02.2018 the 138th SEAC assessed a cluster situation and directed the PP to submit application for ToR. As per the Cluster Certificate dated 24.05.2022, there are three other quarries with total extent below 5 ha. The PP stated in his submission dated 28.02.2023 intimated that he withdrew the application of his own quarry having an area of 0.6250 ha. *The Committee observed that the CER submitted as part of EMP indicates that it was prepared based on need assessment conducted in Koodal panchayath, Pathanamthitta.* The committee verified the documents submitted by the proponent and decided to direct the PP to submit the following:

1. Clarification for submitting a CER Plan which was prepared based on need assessment conducted in Koodal panchayath, Pathanamthitta.
2. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
3. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
4. OB dump site should be shifted to lower elevation & the proposed area with geo-tagged photographs has to be provided.
5. Post closure environmental scenario/post-mining land use plan of the proposed site.

The committee entrusted Dr. Ajithkumar & Dr. R. Ajayakumar Varma for filed inspection and report.

9. SIA/KL/MIN/263015/2022 , 2024/EC1/2022/SEIAA

Environmental Clearance for Granite building stone quarry of C.H Sakkariya, President, Mannarkkad Taluk Karinkal Quarry Operators Industrial Cooperative Society Ltd, at Re Survey No. 70/10, 70/16, 242/15 of Pottassery-I Village, Mannarkkad Taluk, Palakkad District, Kerala (Presentation)

Decision: The Committee examined the proposal and noted that the total mineable reserve is 219693 MT (Maximum annual production 44,000 TPA) and mine life is 5 years. As per the

details provided by the PP in his application, The Silent Valley National Park is located beyond 11km from the site. However, the distance between the boundaries of the National Park and the proposed site seems to be 8.0 Km. As invited, the Proponent, Mr. C H Sakkariya, and the RQP Mr. V K Roy were present. The RQP made the presentation. The Committee observed that the proposed site is situated at a distance 930m from the medium hazard zone. The Committee also noted that the EMP is inadequate both with respect to the mitigation of the site-specific environmental issues and budget provision earmarked. Similarly, the CER Plan includes three activities aimed at afforestation and one activity for drinking water supply. However, not detailed plan enabling the implementation is provided. Based on discussions, the committee decided to direct the proponent to submit the following additional details.

1. Letter from the concerned DFO/WL Warden stating the distance of the proposed site from the boundary of the National Park, width of the proposed/approved ESZ at the appropriate location and clarification whether the site falls within the ESZ.
2. Revised CER indicating the site proposed for developing and maintaining “*Pachathuruth*” and Miyawaki forest along with the coordinate of the sites, geo-tagged photographs of the sites, consent letter from the owner of the proposed land, detailed implementation plan of the four proposed activities indicating output and outcome.
3. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget and also incorporating detailed CER Plan.
4. Post closure environmental scenario/post-mining land use plan of the proposed site.

10. SIA/KL/MIN/263676/2022 , 1982/EC1/2022/SEIAA

Granite (Building Stone) Quarry of Sri. G Rajeevan, Managing Partner, M/s Koodal Granites in Block No.30, Survey Nos: 404/3, 404/4, 404/5, 404/7, 404/7 -1 of Koodal Village, Konni Taluk, Pathanamthitta District, Kerala. (Presentation)

Decision: The Committee examined the proposal and noted that the total mineable reserve is 6,60,160 MT (Average annual production 1,10,000 TPA) and mine life is 6 years. The distance to moderate hazard zone is 625m. The project cost is Rs.150 Lakh. The depth to water table is 65m above MSL and the ultimate mine depth proposed is 95m above MSL. As invited, the

Proponent, Sri. Rajeevan, and the RQP Sri. V K Roy were present. The RQP made the presentation. The committee heard the presentation and observed that the feasibility plan submitted to widen the road with 7m and the proof produced are not satisfactory. Hence the Committee decided to direct the proponent to submit a feasible road widening plan along with geo-coordinates of the proposed area.

11. SIA/KL/MIN/266526/2022, 2040/EC6/2022/SEIAA

Environmental Clearance for the granite building stone quarry project of Sri.Krishna Kumar.E for an area of 0.9400 Ha in Sy.No.486 in Vadakkethara Village, Thalappilly Taluk, Thrissur District (ADS Received)

Decision: The Committee examined the proposal and noted that the area proposed for mining is 0.9400 Ha for extracting 2,47,950MT. The average annual production is 49590 MT for mine life of 5 years. The elevation difference is 66 m & 55 m above MSL. The committee verified the documents submitted by the proponent and found the following shortcomings and decided to get clarification/documents:

1. CER should be integrated with the EMP.
2. Letter from the Wildlife Warden, regarding the distance of the proposed site from the Peechi- Vazhani Wild life Sanctuary, width of the approved/proposed ESZ at the appropriate location and statement whether the site falls within the ESZ.
3. Post closure environmental scenario/post-mining land use plan of the proposed site.

The Committee decided to invite the Proponent for presentation.

12. SIA/KL/MIN/288699/2022, 2136/EC3/2022/SEIAA-

Environmental Clearance – Building Stone Quarry project of P J Jose for an Area of 2.7057 Ha. at Pindimana Village, Kothamangalam Taluk, Ernakulam District, Kerala (Additional Documents received)

Decision: The Committee examined the proposal and noted that the total mineable reserve is 10,05,448 MT and mine life is 5 years. The Thattekad bird sanctuary is at a distance of 3.35km. The committee verified the documents submitted by the proponent and found that 50% of the area falls in a quarry pit. The depth to water table is 13.2m bgl. Based on the Cluster Certificate dated 12.08.2022, the Committee directed the PP to submit application for ToR. Now the PP

submitted another Cluster Certificate dated 14.2.2023 based on the report of the Village Officer and claimed that there is no cluster situation. Based on discussions, the Committee decided to direct the Proponent to submit the following additional clarification/documents

1. The cluster certificate dated 14.02.2023 indicated that the quarries that were reported as working in the cluster certificate dated 12.08.2022 is found not working. It is not clear whether the quarries are closed permanently after the expiry of lease period or EC or not. Therefore, the Proponent should submit clarification from Mining & Geology Department whether the quarries which are stated as “not working” are permanently closed after implementing mine closure plan and if so proof of the implementation of mine closure plan.
2. Compensatory afforestation area proposed is found vegetated. Therefore, alternate site should be identified and its geo-coordinates and geo-tagged photographs along with possession certificate of the land or consent letter from the owner of the proposed land.
3. Explanation for proposing a vegetated area for compensatory afforestation area knowing that the proposed land is already vegetated.
4. Clarification regarding the distance of a building located within the stipulated buffer distance of 50m from the boundary of the site.
5. Revised drainage plan incorporating instant and complete drainage of overland flows from the site.
6. Letter from the Wildlife Warden, regarding the distance of the site from the Thattekad Bird Sanctuary, width of the proposed/approved ESZ at the appropriate location and statement whether the proposed site falls within the ESZ.
7. Post closure environmental scenario/post-mining land use plan of the proposed site.

13. SIA/KL/MIN/405925/2022 , 1527/EC1/2019/SEIAA

Environmental Clearance for the Granite Building Stone Quarry of Sri. K. M. Stephen” over an extent of 4.9003 Ha. in Block No. 27 (Re-Sy. Block no. 37) Re-Sy. Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1, Karimannur Village, Thodupuzha Taluk, Idukki, Kerala.

(Old rejected Proposal No. SIA/KL/MIN/126172/2019 1527/EC1/2019/SEIAA)

(Hearing to Project proponent and complainant)

Decision: As per the direction of 122nd SEIAA, the Committee heard the proponent Sri. K M Stephen, his partner, Sri. K J Paul & RQP, Sri. Tambu Cheriyan and the Complainants Sri. Vincent K George and Sri. Joy Varghese. The complainant stated that there is an electric line passing through the quarry site, a few houses after 50m and 4 wells within 50m. There is a panchayath road having 3m width for about 200m distance which connects to the quarry road. There is a water tank at a distance of 550 m from the project area. **The Committee directed the proponent and the complainants to submit detailed hearing note along with substantiating documentary evidences and also directed SEIAA secretariat to provide a copy of the complaint to the Proponent.**

14. SIA/KL/MIN/40868/2019 , 1447/EC2/2019/SEIAA

Environmental Clearance for the Granite Building Stone Quarry in Survey No. 202 (P) in Killimangalam Village, Thalappilly Taluk, Thrissur District for an area of 0.3840 Hectares by Sri. K.M. Salim (Presentation)

Decision: As per the decision of the 138th SEAC meeting the presentation of the project before the Committee should be done by the RQP or the EIA coordinator who prepared the Mining plan/ EIA report. The RQP was absent and hence the Committee decided to defer the item to give one more chance to the Project Proponent for presentation.

15. SIA/KL/MIN/411459/2022, 2197/EC2/2023/SEIAA

Laterite Building Stone Quarry project of Vijayan. H, is situated at Re-Survey Nos.899/3 in Adoor Village, Kasaragod Taluk, Kasaragod District, Kerala for total mine permit area of 0.0971 Ha (Presentation)

Decision: As invited, the Proponent, Mr. Vijayan H, and the RQP, Mr. Muhammed Kunhi were present. The RQP made the presentation. The committee heard the presentation and the RQP during presentation showed the recently certified survey map. The committee observed that the recoverable quantity proposed is 4300MT and the project cost is Rs. 10 lakh. The depth of final void is 4m. Based on discussions, the Committee decided to seek the following clarifications.

1. Whether the site is located in the landslide hazard zone or not, if so whether it is high or moderate hazard zone

2. Whether there are any houses located within 50m of the boundary of the proposed site. If not proof of the same.
3. It is seen that a considerable portion of the land which is subjected to extraction of earth is located on the eastern part of the site and a water spread is observed on its southern portion. Clarification for the water logging and possibility for its breach including possibility of soil piping.

16. SIA/KL/MIN/416869/2023, 1627/EC4/2020/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr. Moyimonul Rasheed over an extent of 0.9919 Ha, Re-Survey No.44/1, 41/1 in Thalikulathoor Village, Kozhikode Taluk, Kozhikode District, Kerala. (Processed as physical file- 134th SEAC decided to recommend EC for 2 years)

Decision: The Committee decided to adhere to its decision taken in the 134th SEAC meeting to recommend the item with the conditions stipulated therein.

17. SIA/KL/MIN/45324/2019, 1557/EC3/2019/SEIAA

Granite Building stone quarry of Sri. Varghese Chakku at Block No.22, Re- Survey No:284, in Malayattoor Village, Aluva Taluk, Ernakulam, Kerala. (Additional Documents received)

Decision: The Committee examined the proposal and noted that the total mineable reserve is 152410 MT (50,803 TPA) and mine life is 3 years. The depth to water table is 13m bgl and the nearest built structure is at 150 m. The highest elevation is 131 m and lowest elevation is 84m above MSL. The site is located within moderate hazard zone and therefore, quarrying in such zones shall be permitted only after getting the approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05- 2014 as per the Kerala State Disaster Management Plan 2016. The project was presented before the Committee the field inspection is completed. The Committee verified the documents submitted by the proponent and **decided to direct the proponent to submit the CER with specific and monitorable physical targets based on stakeholder consultation.**

18. SIA/KL/MIN/59482/2020 , 1871/EC1/2021/SEIAA

Building Stone Mine” Quarry Project of M/s Metarock Private Limited is located 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 District, Kerala for an area of 3.7980 ha (Field Inspection Report Received)

Decision: The Committee examined the proposal and noted that the mineable resource is 18,98,673 MT (Average annual production 2,90,000 TPA) and the mine life is 10 years. The depth to watertable is reported as 10m bgl. The nearest habitation is at 53.60m near BP13. Public hearing was done on 6.06.2022. The committee discussed the field inspection report conducted on 18.02.2023. The Committee found that the proposed area is surrounded by 4 other quarries and 3 Crushers. During Public hearing 45 of the 49 people made complaints regarding the poor quality of air, high noise pollution, etc. The revised EIA report does not address the issues raised in the public hearing satisfactorily. The depth to watertable is indicated as 0 bgl in the application form. The ultimate mine depth is reported as 40m bgl. Therefore the mining will be intersecting the ground water table. The PFR does not contain feasibility analysis with respect to availability of resources, material handling, transportation, demand & supply, land & water requirement, pollution mitigation measures, etc. The topographical contour map provided is not decipherable. The PM 10 and PM 2.5 shows very low values irrespective of the presence of four quarries and crusher within 500m distance and possible high density traffic. The post-mining land use data does not indicate an environmental friendly post-mining closure of the quarry. The environment quality data for air, noise and soil is not uploaded properly and hence not decipherable. The Proponent is also directed to revisit the compliance to ToR-7, ToR-22, ToR-23, ToR-24, ToR-27, ToR-28, ToR-32, ToR-39 and ToR-44 are not found satisfactory. The Committee, therefore, decided to direct the Proponent to respond to the above observations and provide clarifications as required.

19. SIA/KL/MIS/285493/2022, 2074/EC1/2022/SEIAA

Environmental Clearance for the proposed expansion within the existing Hospital premises (“Ananthapuri Hospital & Research Institute”) by M/s Ananthapuri Hospitals Private Limited by Dr. A. Marthanda Pillai, Chairman & Managing Director, in Pettah Village, Thiruvananthapuram Taluk, Thiruvananthapuram District (Field Inspection Report Received)

Decision: The Committee examined the proposal of M/s Ananthapuri Hospitals Pvt Ltd, Thiruvananthapuram for expansion of the Built-up Area (BUA) by 14,029.23 sq m for adding a capacity of 100 more beds. The project proponent provided details of the existing built-up area as 11,091.81 sq m (based on two building permits of Thiruvananthapuram Municipal Corporation), which was constructed before 14.09.2006, for which EC was not required. Further, the project proponent stated that they had constructed an additional BUA of 15,828 sq m, post 14.9.2006 for catering needs for a total of 400 bedded hospital. Therefore, the cumulative BUA is reported as 29,857.23 sq m, (15,828 + 14,029.23) hence they have submitted the application for EC. From the details, it is not clear whether the BUA 15,828 sq m constructed post 14.09.2006 includes BUA of 11,091 sq m constructed before. There is a noted difference in the built-up area given in Form I and actual built-up area, reported by the proponent at the time of Field Visit. The proponent clarified the year of construction of existing building and proposed building as noted in the Table given below.

| No | Particulars | Built-up area as per Form-1 (in sq.m.) | *Actual Built-Up Area (in sq.m.) as per the details provided by Proponent |
|----|---|--|---|
| 1 | Built-up area constructed prior to 2006 | 11,091.80 (3,621.80+7,470) | 9,268.80 (1798.80 + 7,470) |
| 2 | Built-up area constructed post 2006 | 15,828 | 17,651 |
| 3 | Proposed Built-up area | 14,029.23 | 15,274.55 |
| 4 | Built-up area for which ECis sought | 29,857.23 | 32,925.55 |

The presentation was conducted in the 136th SEAC and the filed inspection was conducted on 18.02.2023 based on which the Committee observed the following:

1. The proponent clarified that the built-up area of 9,268.80 sq m (Phase I = 1798.80 sqm +Phase II 9,268.80 sq m) which was constructed prior to 2006, for which EC was not required.
2. Constructions carried out post 2006 (Phase 3+ 17,651 sqm) based on building permit issued by TMC on 12.08.2005, which is less than 20,000 sq and therefore no EC was required.
3. Now the application is submitted for a built-up area of 17,651 sq m +proposed construction of 15,274.55 sq m = 32,925.55 sqm in Phase 4. But in the application, it is given as 29,857.23 sq.m.
4. The treated water from the STP (with BOD level as per KSPCB norms) is proposed to be recycled. The sewage generation will be of 178 KL and treated water from STP (total capacity of 215 KL) is recycled within the site for flushing (113 KLD), horticulture (5 KLD), Boiler (15 KLD) requirement and make-up water requirement (27 KLD) for cooling towers attached with the HVAC system requirement. The treated sewage from the STP/ETP proposed to be reused within the site.
5. The water requirement is proposed to be met from recycling of treated wastewater of 160 KL/day from sewage treatment plan (STP) and 12 KL/day from ETP which can be recycled for different purposes.
6. The bio-medical waste is proposed to be segregated at source by providing appropriate colour coded bins / containers as per the colour coding provided in the Bio-Medical Waste (Management & Handling) Rules, 2016.
7. The bio-medical waste proposed to be stored in the earmarked wastes storage areas near to the hospital block. Sufficient number of labelled wheel barrows with colour coding is proposed to be procured for internal transport of Bio-medical waste within the hospital complex.
8. After the proposed expansion, the hospital will generate biomedical waste of about 350 kg/day which includes infectious beddings, cotton, swabs, used syringes, discarded medicines, etc. The disposal of bio-medical waste is proposed through authorized agency

(IMAGE) and the same arrangement is proposed to be continued for the proposed facility.

9. Solid waste generation after the proposed expansion, is expected to be about 786 kg/day and treatment and disposal of biodegradable MSW is proposed using OWC unit and bio-bin system proposed to be installed within the site for disposal of additional solid waste generated from the proposed building.
10. As part of usage on Non-conventional energy usage, Solar water heating panels @340lpd x 16 nos. are existing in the hospital. As per Clause 77, Chapter XV of Kerala Municipality Building Rules, 2019 as amended on 01-10-2020 which incorporates the provisions of Kerala State Energy Conservation Building Code, 2017 mandates “New Buildings with total built-up area exceeding 500 sq.m. shall be provided with roof top solar energy installations covering a minimum of 50% of the roof area”. The roof area of the new parking block is 7,565.77 sq. m. and the roof area is 1,090 sq. m. solar power generation would be 218 Kwp which is about 9% of the overall connected load. . On grid solar power generation is proposed and this will avoid the use of solar batteries, its disposal etc. The project will save about 23% energy by using all the above energy saving measures.
11. The CER/EMP is not specific and not in compliance to the norms.

Based on discussions, the Committee decided to direct the Project Proponent to submit the following additional details;

1. Clarification on the built up area given in the application and actual area given at the time of presentation and field visit along with proof such as building permit, and approvals from concerned local authority obtained during various phases of construction
2. Plan showing the location for storage of biodegradable and non- biodegradable waste, for facilitating efficient and hygienic storage, handing, treatment and safe disposal.
3. Detailed action plan for on-site facility considering the generation of fast bio-degradables, slow bio-degradable using OWC and Biobins
4. Plan for greening the landscape with suitable species of trees and plants, specifically suitable for the hospital environment. Vegetation should be planned on the ground and overbuilt structures such as roofs, basements, podiums, etc. appropriately

5. Plan for incorporating the building design to cater to the differently abled citizens.
6. Plan for adopting water efficient plumbing features for saving water use.
7. Revised EMP, considering augmented sewage treatment and solid waste treatment, from the present level of about 8.30 % of the capital cost of expansion of the hospital.
8. Revised CER as per norms incorporating monitorable specific physical targets, proof of stakeholder consultation and detailed implementation plan.
9. Clarification regarding the applicability of CRZ clearance
10. Clarification regarding the classification of the land proposed for the construction as it is learnt that it is classified as 'Nilam'.

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

1. SIA/KL/MIN/269491/2022 , EC No.3/17 File No.A/11133/17/DEIAA

Building Stone Quarry of M/s.Kayyar Aggregates Pvt Ltd at Survey No.242/3A(pt), 242/3A, 3B, 242/3B(pt), 343/2C, 243/2(pt), Kayyar Village, Manjeswaram Taluk, Kollam (ADS Received)

Decision: The Committee examined the proposal and observed that the EC No. A/11133/17/DEIAA was issued by DEIAA on 26.04.2017 to Mr. Antony Raphel, Managing Director, M/s Kayyar Aggregates Pvt. Ltd for mining from an area of 2.4767 Ha with EC validity of 5 years upto 25.4.2022. The Scheme of Mining approved on 6.11.2021 stated that the mineable reserve is 9,21,825 MT, mined out quantity is 1,71,315 MT and balance quantity is 7,50,510 MT for which modified life of mine proposed is 6 years. The extraction after the approval of Scheme of Mining is not given. The requested extension of mine life is 5 years. The Committee, based on detailed discussions, decided to direct the Proponent to submit the following details/documents.

1. Reason for extension of EC
2. CCR from IRO, MoEF&CC, Bangalore.

3. Proof of the expenditure incurred under CER/CSR, especially the anomalous expenditure incurred during 2021
4. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
5. Revised EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
6. The distance indicated in the survey map is found incorrect. So, recently certified legible survey map from the Village Office showing the distance to all the built structures within 200m from the project boundary needs to be submitted.
7. Clarification on how the distance criteria of 50m shall be maintained between crusher & proposed area.
8. Post closure environmental scenario/post-mining land use plan of the proposed site.

2. SIA/KL/MIN/296253/2023 , 1597/EC4/2020/SEIAA

Extend validity of EC of the laterite mining project for the site Re Sy No.19/245 at Koodathai Village, Thamarassery Taluk, Kozhikode District, Kerala with an area of 0.8094 Hectors of Mr. Ramachandran. P. (Presentation)

Decision: The Committee examined the proposal for extension of validity of EC for 3 years for the project with an area of 0.8094 Ha. As invited, the Proponent, Mr. Ramachandran P, and the RQP Mr. Jayaprakash, were present. The RQP made the presentation. Based on discussions, the committee decided to direct the proponent to submit the following additional documents:

1. Geo-tagged photographs of the site showing current status of the land area.
2. CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals
3. EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
4. Post closure land use plan of the proposed site.

PART 3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/INFRA2/416978/2023, 2230/EC6/2023/SEIAA

Environmental Clearance for the proposed construction of Super Specialty Hospital Block and Mother & Child Hospital Block within the existing campus of Govt. Medical College, Thrissur in Sy.No.4, 11 & Others to be developed by Department of Health & Family Welfare, Govt. of Kerala. (Fresh Application)

Decision: The Committee examined the proposal submitted by The Principal, Govt. Medical College, Thrissur. As per the application, the total Plot Area is 98.05 ha and total Built-up Area is 86,873.70 sq. m. The Committee verified the documents submitted by the project proponent and **decided to invite the proponent for a presentation.**

2. SIA/KL/MIN/401892/2022, 2126/EC1/2022/SEIAA

Granite (Building Stone) Quarry of Sri. Udayan K at Block No. 25, Re-Survey Nos: 64/1, 65/3, 65/4, 66/2, 66/2-1 in Enadimangalam Village, Adoor Taluk, Pathanamthitta. (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri. Udayan K for mining of granite building stone from 2.8869 Ha having total mineable reserve of 874000 MT and mine life of 7 years. As per the application, the production is 1,50,000 MT per annum for first five years and 62,000 MT per annum for sixth and seventh year and the project cost is 1.85 Crores. The Shendurney Wildlife Sanctuary is situated at 34.70 km. The Committee verified the documents submitted by the proponent and found the following shortcomings and requirement of details/documents:

1. Revised Project cost
5. CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals.

6. EMP submitted includes activities which are not comes under EMP norms. EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget and with integration of CER.
2. Non assignment certificate for the entire area proposed.
3. KML file to be uploaded
4. Appropriately located OB dump site along with protection measures
5. Post closure environmental scenario/post-mining land use plan of the proposed site.

The Committee decided to invite the proponent for presentation.

3. SIA/KL/MIN/402526/2022, 2202/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. Brijesh B.R, for an extent of 0.3449 Ha in Re-Survey No: 12/2A-2A of Thalakkulathoor Village, Kozhikode Taluk, Kozhikode, Kerala (Fresh Application)

Decision: The Committee examined the proposal for extraction of 27,036MT laterite from an area of 0.3449Ha with mine life of 2 years. The Malabar Wildlife Sanctuary is at 18.50 km. The Committee verified the documents submitted by the proponent and found the following:

1. CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals.
2. EMP submitted includes activities which are not comes under EMP norms. EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget and with integration of CER.
3. Clarification on road passing through the area.
4. Depth to water table in the nearest dug well along with geotagged photograph of the well
5. Clarification as to whether the mining is already done in and around the area.
6. Detailed drainage plan to prevent stagnation of water in mining pit
7. Post closure land use plan of the proposed site.

The committee decided to invite the proponent for presentation including the clarification on the above observations.

4. SIA/KL/MIN/402776/2022, 2203/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. Abdul Asees K.P, in Re-Survey No. 46/986 of Kalliad Village, Iritty Taluk, Kannur District, Kerala for an extent of 0.2914 Ha (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri. Abdul Asees K P for extraction of 25,497.5 MT with mine life of 1 year. As per the application, the depth to water table is 40 m and Aralam Wildlife Sanctuary is at 18.50 km. The committee verified the documents submitted by the proponent and found the following shortcomings:

1. Depth to water table in a dug well with its geo-tagged photographs and distance from the proposed site.
2. CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals.
3. Detailed drainage plan to prevent stagnation of water in mining pit
4. Certified legible survey map from the Village Office showing the distance to all the built structures within 100m
5. Post closure land use plan of the proposed site.

The committee decided to invite the proponent for presentation including the clarification on the above observations.

5. SIA/KL/MIN/403066/2022, 2163/EC3/2022/SEIAA

Environmental Clearance for the building stone quarry at Re Survey No. 300/1,300/2-1 Block no.41, of Thiruvaniyoor Village, Kunnathunadu Taluk, Ernakulam District, Kerala for an Area of 0.9586 Ha (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri. Saji K. Elias for an area of 0.9586 Ha. The average annual production is 72,214 TPA and mine life is 3 years. The committee verified the documents submitted by the proponent. The Cluster Certificate dated 3.12.2022 indicates that there are 6 quarries within 500 m radius out of which two are working and four are not working. The area of one of the non-working quarries listed in the cluster certificate is not given. Regarding non-working quarries, it is not clear whether the non-working quarries are closed after validity period of EC or lease adopting mine closure

plan or not. Further processing of the application is to be after ascertaining the category of the project as B1 or B2. **Therefore, the Committee decided to direct the Proponent to submit the area of the quarry for which it is not mentioned in the Cluster Certificate and also clarification whether the non-working quarries mentioned in the Cluster Certificate is already closed after the period of validity of EC or Lease as per the mine closure plan and if so proof of closure and certificate from the Mining & Geology Department.** The Committee also sought the following clarifications/details.

1. Copy of EC of the adjacent mines owned by proponent with details.
2. EMP submitted includes activities which are not comes under EMP norms. EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget.
3. Depth to water table in the nearest dug well with geo-tagged photographs with distance from the proposed area.
4. Post closure environmental scenario/post-mining land use plan of the proposed site.

6. SIA/KL/MIN/403878/2022, 2132/EC4/2022/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri. Abdul Asees K.P, in Block No. 92, Re-Survey No: 23/813 of Kaliyad Village, Iritty Taluk, Kannur District, Kerala for an extent of 0.1943 Ha (Fresh Application)

Decision: The Committee examined the proposal for mining in an area of 0.1943Ha for the production capacity of 17001.25 MT with mine life of 1 year. The Aralam Wildlife Sanctuary situated at 17 km from the proposed area. The committee verified the documents submitted by the proponent and found the following shortcomings:

1. Depth to watertable in the nearest dugwell along with its geo-tagged photograph.
2. CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals.
3. Detailed drainage plan to prevent stagnation of water in mining pit
4. Certified legible survey map from the Village Office showing the distance to all the built structures within 100m
5. Post closure land use plan of the proposed site.

The committee decided to invite the proponent for presentation including the clarification on the above observations.

7. SIA/KL/MIN/405772/2022, 2181/EC6/2023/SEIAA

Application for Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Pullanipuram Sekkeeb in Sy.No.1/3A1 at Melmuri Village, Tirur Taluk, Malappuram (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri Pullanipuram Sekkeeb in an area of 0.1942 H. The mineable reserve is 18,691 MT and the Mine life is 1 year. As per the application, project cost is 5.65 lakh. The committee verified the documents submitted by the proponent and found the following shortcomings:

1. Detailed drainage plan to prevent stagnation of water in mining pit
2. Certified legible survey map from the Village Office showing the distance to all the built structures within 100m
3. Post closure land use plan of the proposed site.

The committee decided to invite the proponent for presentation including the clarification on the above observations.

8. SIA/KL/MIN/406820/2022, 2211/EC3/2023/SEIAA

Environmental Clearance for the Granite building stone quarry for an area of 3.2083 Ha. at Re-Sy Block No: 8, Re-Sy. Nos: 254/3-1, 254/4 & 257/1, Kumaramagalam Village, Thodupuzha Taluk, Idukki, Kerala. (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri. Cherian K Jose, M/s. St. Jude Granites in an area of 3.2083Ha. As per the application, mineable reserve is 8,13,995.00 Tonnes and average annual production is 1,45,376.33TPA. The mine life is 8 years. As per the cluster certificate dated 28.10.22 it is non-cluster. The elevation difference is 10m. The high hazard zone is at 9.42km. The committee verified the documents submitted by the proponent and found the following shortcomings:

1. Recently certified legible survey map from the Village Office showing the distance to all the built structures within 200m
2. The depth to water table monitored in the nearest dug well along with geotagged photographs and distance from the proposed area.
3. EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget and CER integrated.
4. Detailed drainage plan
5. Post closure environmental scenario/post-mining land use plan of the proposed site.

The committee decided to invite the proponent for presentation including the clarification on the above observations.

9. SIA/KL/MIN/407901/2022, 1812/EC3/2020/SEIAA

Granite building stone quarrying for an area of 0.9407 Ha located at Block No: 70, Sy. Nos: 23/1, 23/2, Poonjar Village, Meenachil Taluk, Kottayam, Kerala. (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri Joseph Varkey in an area of 0.9407Ha. As per the application, the total mineable reserve is 160163.11MT and average annual production is 38714TPA. The mine life is 5 years. The proposed area situated at 400m from Meenachil River. The committee verified the documents submitted by the proponent and found the following shortcomings:

1. CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals.
2. EMP submitted includes activities which are not comes under EMP norms. EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget and with integration of CER.
3. Plan for OB dump site considering the feasibility and appropriateness along with plan for protection.

4. Compensatory afforestation area proposed is found vegetated. Therefore, alternate site should be identified and its geo-coordinates and geo-tagged photographs along with possession certificate of the land or consent letter from the owner of the proposed land.
5. Post closure environmental scenario/post-mining land use plan of the proposed site.

The committee decided to invite the proponent for presentation including the clarification on the above observations.

10. SIA/KL/MIN/408252/2022, 2207/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. Sebastian George, for an extent of 0.0971 Ha in Block No. 39, Re-Survey No: 38/108 of Peringome Village, Payyanur Taluk, Kannur, Kerala (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri. Sebastian George for an area of 0.0971 Ha for extracting 8,496.25 MT. The mine life is 1 year. The Talakaveri Wildlife Sanctuary is at 18.30 km. The committee verified the documents submitted by the proponent and **decided to invite the proponent for presentation.**

11. SIA/KL/MIN/408714/2022, 2198/EC1/2023/SEIAA

Granite Building stone quarry of Sri. Moideen. P for an Extent of 0.7352 Hectares at Survey No. 279/1A2 and 278 of Thirumittacode - I Village, Pattambi Taluk, Palakkad, Kerala, (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri Moideen P. The total mineable reserve is 91,513 Tonnes and maximum average production is 18,600MTA. The mine life is 5 years. As per the application, the highest elevation of the lease area is 72m RL and lowest is 52m RL. The project cost is 50 lakh. The proposed site in a non-cluster situation and it is part of an abandoned quarry. The committee verified the documents submitted by the proponent and found that the proposal lacks the following details:

1. Recently certified legible survey map from the Village Office showing the distance to all the built structures within 200m
2. The depth to water table monitored in the nearest dug well along with geotagged photographs and distance from the proposed area.

3. EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget and CER integrated.
4. Detailed drainage plan
5. Plan for OB dump site considering the feasibility and appropriateness along with plan for protection.
6. Topsoil conservation measures.
7. Revised Project cost.
8. The depth to watertable monitored in the nearest dug well along with geotagged photographs of the well and the distance to it from the proposed area.
9. Legible Mining Plan.
10. Post closure environmental scenario/post-mining land use plan of the proposed site.

12. SIA/KL/MIN/410423/2022, 2194/EC4/2023/SEIAA

Environmental Clearance for the Laterite Building Stone Quarry of Ramachandran M K, for an area of 0.1942 hectare in Block No. 38, Re-Survey No: 16/126 of Perinthatta Village, Payyanur Taluk, Kannur District, Kerala,. (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri Ramachandran M K for an area of 0.1942Ha. The total reserve is 24,275 MT and proposed production is 16,992.5 MT. As per the application, The project cost is 4 lakhs and The Talakaveri Wildlife Sanctuary is at 21.00 km. The committee verified the documents submitted by the proponent and found that the proposal lack the following details:

1. The depth to watertable monitored in the nearest dug well along with geotagged photographs of the well and the distance to it from the proposed area.
2. Detailed drainage plan
3. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals.
4. Clarification regarding the structure near BP2.
5. Post closure land use plan of the proposed site.

The committee decided to invite the proponent for presentation including the clarification on the above observations.

13. SIA/KL/MIN/410780/2022, 2201/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri. Rajesh N.V, for an extent of 0.1943 Ha in Block No. 39, Re-Survey No: 112/102 of Peringome Village, Payyannur Taluk, Kannur, Kerala (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri Rajesh N.V in an area of 0.1942Ha. The total mineable reserve is 24,287.5 MT and proposed production is 17000MT for mine life of 1 year. The Talakaveri Wildlife Sanctuary is at 18.00 km from proposed area. The committee verified the documents submitted by the proponent and found that the depth to water table monitored in the nearest dug well along with geotagged photographs is not provided. **The committee decided to invite the proponent for presentation.**

14. SIA/KL/MIN/410787/2022, 2196/EC2/2023/SEIAA

Building Stone Quarry Project, M/s Darshan Granites , for an area of 7.8705 ha at Re-Survey Block No. 18, Re-Survey Nos. 13/2, 13/3, 18/2, 18/3, 40/1-1, 40/1-2, 40/4, 40/4-2, 40/6, 41/1-1, 41/1-2, 41/2, 41/3, 41/4, 41/5 (Patta land - 6.1918 ha.), 18/1, 41/6 (Govt. land - 1.6787 ha.), Chakkuvarakkal Village, Kottarakkara Taluk, Kollam District, Kerala. (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri. Ajai Sundaresh, (Managing Partner) M/s Darshan Granites for an area of 7.8705Ha. The mineable reserve is 39,33,900 MT and the mine life is 12 years. The ultimate mine depth is 120m above MSL. The site includes 1.6787 Ha of government land and 6.1918 Ha of provate land. The total project cost is 13.115 Crore in Form 1M and 4.54 Crores in PFR. The highest and lowest elevation is 200m MSL to 120m MSL. The ultimate mine depth is 125m. The committee verified the documents submitted by the proponent and found that the NOC dated 26.03.2018 is now expired. Land use details are not provided. **The committee decided to invite the proponent for presentation.**

15. SIA/KL/MIN/410881/2022, 2186/EC3/2023/SEIAA

Granite Building Stone Quarry project of M/s. P. J. Associates, (Represented by its Managing Partner, Sri. Pious Antony) Re-Survey Nos: 93/1, 94/1, 95/1, 95/1- 1, 95/2, 95/2-1, Lalam Village, Meenachil Taluk, Kottayam (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri Pious Antony, Managing Partner, M/s. P. J. Associates in an area of 2.6Ha. The total mineable reserve is 19,93,382.6MT and average annual production is 150000 MT. The mine life is 9years. As per the application, the project cost is 1.3 Crores. The proposed area is in low hazard zone. The committee verified the documents submitted by the proponent and found that the following additional documents are required for further appraisal.

1. Revised Project cost
2. EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget and CER integrated.
3. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals.
4. Pre and post mining land use details
5. Post closure environmental scenario/post-mining land use plan of the proposed site.

The committee decided to invite the proponent for presentation including the clarification on the above observations.

16. SIA/KL/MIN/410959/2022, 2193/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. Mahesh. P, for an extent of 0.1943 Ha in Re-Survey No: 13/102 of Eramam Village, Payyannur Taluk, Kannur District, Kerala (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri Mahesh P in an area of 0.1943Ha for extracting 17001 MT of laterite stone. The mine life is 1 year. The depth to watertable is 20m bgl. The committee verified the documents submitted by the proponent and **decided to invite the proponent for presentation.**

17. SIA/KL/MIN/410973/2022, 2216/EC6/2023/SEIAA

Application for Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. A. K. Soman in Sy.No.118/10, 158/2 in Kavanur Village, Ernad Taluk, Malappuram (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri A K Soman in an area of 0.5623Ha of laterite stone. The recoverable quantity is 44281.1 MT. The mine life is 3 years and project cost is 20 lakhs. As per survey map a house is at 14.9m. The committee verified the documents submitted by the proponent and found the following short comings:

1. EMP incorporating the environmental issues of the site and surrounding areas and site specific mitigation measures along with adequate budget and CER integrated.
2. Revised CER as per the norms incorporating monitorable physical targets decided based on stakeholder consultation, proof of stakeholder consultation and detailed implementation plan of the proposals.
3. Clarification regarding the house located at 14.9m
4. Post closure land use plan of the proposed site.

18. SIA/KL/MIN/411130/2022, 2200/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. Shuhail M V P for an extent of 0.1942 Ha in Block No. 40, Re-Survey No: 161/102 of Peringome Village, Payyanur Taluk, Kannur District, Kerala (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri. Shuhail M V P for an area of 0.1942Ha. The average annual production is 16,992.5 MT for mine life of 1 year. The Talakaveri Wildlife Sanctuary situated at 18.75 km. The committee verified the documents submitted by the proponent and found that an office is at 26.4km from BP5. **The committee decided to invite the proponent for presentation.**

19. SIA/KL/MIN/412267/2022, 2208/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri.PRADEEP K, for an extent of 0.3880 Ha in Block no:109, Re-Survey No. 53/135 of Kandamkunnu Village, Thalassery Taluk, Kannur District, Kerala (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri. Pradeep K for an area of 0.3880 Ha. for extracting 33,675MT. Mine life is 4 years and project cost is 11lakhs. As per the application the depth to watertable is 25m of bore well. A house is at 76m from proposed area. The mining proposed upto 7m. The committee verified the documents submitted by the proponent and observed that the depth to watertable monitored in the nearest dug well along with geotagged photographs needs to be submitted. **The committee decided to invite the proponent for presentation.**

20. SIA/KL/MIN/412623/2022, 2199/EC4/2023/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry of Sri. Raveendran V, for an extent of 0.0971 Ha in Block no: 92 Re-Survey No. 1/473,1/474 of Kalliyad Village, Iritty Taluk, Kannur District, Kerala (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri. Raveendran V for an area of 0.0971 Ha. The mineable reserve is 7,748MT for mine life of 1 year. The committee verified the documents submitted by the proponent and **decided to invite the proponent for presentation.**

21. SIA/KL/MIN/415821/2023, 2222/EC1/2023/SEIAA

Laterite (Building Stone) Quarry of Sri.Bharathan for an extent of 0.9532 Ha in Survey Nos: 7/2-14, 7/2- 15, 7/2-8, 7/2-7 of Koppam Village, Pattambi Taluk, Palakkad District, Kerala (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri. Bharathan for an area of 0.9532Ha. The production is 66,724 MT for mine life of 2 years. As per the application, the project cost is 22.5lakhs. The nearest house is 78.6m and open well is 186.5m away from the proposed area. The committee verified the documents submitted by the proponent and found that the following details are required.

1. Recently certified legible survey map from the Village Office showing the distance to all the built structures within 200m
2. Detailed drainage plan.
3. Post closure land use plan of the proposed site.

The committee decided to invite the proponent for presentation.

22. SIA/KL/MIN/415860/2023, 2206/EC2/2023/SEIAA

Laterite (Building Stone) Quarry of Mr. Abdul Rahman M. A in Re-Survey No.129/2 in Muliya Village, Kasaragod Taluk, Kasaragod District over an area of 0.0971 Ha. (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri Abdul Rahman M A for an area of 0.0971 Ha. The mineable reserve is 4300 MT and mine life is 1 years. As per the application, project cost is 10 lakhs and depth to watertable is at 10m bgl. The committee verified the documents submitted by the proponent and **decided to invite proponent for presentation.**

23. SIA/KL/MIN/415955/2023 , 2221/EC1/2023/SEIAA

Laterite (Building Stone) Quarry of Abdu Rasak in Block No 25, Re-Survey Nos: 7/2-10, 7/2-9, 7/2-8, 7/2-16, 7/2-17 of Koppam Village, Pattambi Taluk, Palakkad District, Kerala for an extent of 0.9400 Ha (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri Abdul Rasak for an area of 0.9400Ha. The annual production is 74,025 MT and the mine life is 2 years. The Peechi Vazhani Wildlife Sanctuary is at 27.70 km. The committee verified the documents submitted by the proponent and **decided to invite the proponent for presentation.**

24. SIA/KL/MIN/416601/2023, 2228/EC6/2023/SEIAA

Application for Environmental Clearance for the Laterite building stone quarry project of Mr. Abdu Razak in Sy.No.477/1-1 in Vazhakkad Village, Kondotty Taluk, Malappuram (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri Abdul Rasak for an area of 0.9496Ha. The mineable reserve is 99700MT for mine life of 3 years. As per the application, project cost is 36 lakh and depth to water table is 90m MSL. **The Committee decided to invite proponent for presentation.**

25. SIA/KL/MIN/418896/2023 , 2220/EC1/2023/SEIAA

Laterite building stone quarry of Mr. Sahajan. P over an extent of 0.2688 Ha, Re-Survey No.143/2-1, 143/15 in Vellinezhi Village, Ottapalam Taluk, Palakkad District, Kerala (Fresh Application)

Decision: The Committee examined the proposal submitted by Sri Sahajan P for an area of 0.2688 Ha. The annual production is 28224 MT and the mine life is 2 years. The committee verified the documents submitted by the proponent and **decided to invite proponent for presentation.**

CONSIDERATION OF TOR PROPOSALS

1. SIA/KL/MIN/410606/2023, 2205/EC6/2023/SEIAA

Application for ToR for the Proposed Granite Building Stone Quarry Project of Mr. Abin Rahman A.M in Sy.No.157/1-1,157/1-2,157/1-3,162/1-4 in Morayur Village, Kondotty Taluk, Malappuram (Fresh Application)

Decision: The Committee examined the proposal and verified the documents submitted by the proponent and found that the proposed area is in a moderate hazard zone. The proposed site is near Mini Ootty, a prominent elevated ridge in the locality and the slope is very steep. The Committee based on discussions, decided to recommend Standard ToR for conducting the EIA studies along with the following additional studies.

1. Probable accidents due to land failure, debris flow, landslide, etc to the inhabitants in lower region.
2. Social impact assessment study with 100% coverage of all the households in the watershed in which the site is located.

2. SIA/KL/IND1/416949/2023, 2209/EC4/2023/SEIAA

ToR for the Existing Steelmaking and Rolling mill by M/s. Peekay Rolling Mills (P) LTD in Sy. No. 50 (Part), 53 (Part), 54 (Part), 55 (Part), 56 (Part) and 58 (Part), Cheruvanoor Village, Kozhikode Taluk, Kozhikode District (Fresh Application)

Decision: The committee examined the proposal, verified the documents submitted by the proponent and decided to recommend Standard ToR for conducting EIA studies.

3. SIA/KL/IND1/418581/2023, 2217/EC1/2023/SEIAA

Existing Mild Steel Re-Rolling mill by M/s. Gasha Steels (P) LTD at sy. Nos. 461(part), 462(part), 463(part), 866_(part_1, 872(part), Pudussery Village, palakkad Taluk and District, Kerala (Fresh Application)

Decision: The committee examined the proposal, verified the documents submitted by the proponent and decided to recommend Standard ToR for conducting EIA studies.

The meeting ended at 5.30 pm.

It is decided to convene the 141st meeting of the SEAC on 11th & 12th of April 2023 on physical mode and on 18th & 19th April, 2023 on online mode.

**Sd/
Suneel Pamidi, IFS
Secretary, SEAC**

**Sd/
Dr.Ajayakumar Varma
Chairman, SEAC**

| Sl.No. | Name | 13.03.2023 | 14.03.2023 | 15.03.2023 |
|--------|---------------------------------------|------------|------------|------------|
| 1. | Shri. Sheik Hyder Hussain | ✓ | ✓ | ✓ |
| 2. | Dr.A.Bijukumar. | ✓ | X | X |
| 3. | Dr.A.N.Manoharan | ✓ | ✓ | ✓ |
| 4. | Shri. M.Dileepkumar | X | ✓ | X |
| 5. | Smt. Beena Govindan | ✓ | ✓ | ✓ |
| 6. | Dr.C.C.Harilal | ✓ | ✓ | ✓ |
| 7. | Dr.K.VasudevanPillai | ✓ | ✓ | X |
| 8. | Dr.MaheshMohan | ✓ | ✓ | ✓ |
| 9. | Dr.K.N.Krishna kumar | ✓ | ✓ | ✓ |
| 10. | V.Gopinathan | ✓ | ✓ | ✓ |
| 11. | Dr.A.V.Raghu | ✓ | ✓ | ✓ |
| 12. | Dr.N.Ajithkumar | ✓ | ✓ | ✓ |
| 13. | Shri.Suneel Pamidi,IFS (Secretary) | ✓ | ✓ | ✓ |
| 14. | Dr.R.Ajayakumar Varma (Chairman) | ✓ | ✓ | ✓ |