

MINUTES OF THE 176th MEETING OF THE STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), KERALA MEETING HELD ON 17TH DECEMBER 2024, IN THE ONLINE MODE

The meeting started at 10.00 AM on 17th December 2024. Dr. R. Ajayakumar Varma, Chairman, SEAC Kerala chaired the meeting. The Committee discussed the agenda items in detail and took the following decisions:

PHYSICAL FILES

Item No. 176.01 **Environmental Clearance for the Expansion of the Building Project, M/s Adlux Medicity & Convention Centre Pvt. Ltd, at Karukutty Village, Aluva Taluk, Ernakulam.**
(Older EC issued File No. 1186/A2/2018/SEIAA)
(Expansion Project Proposal No: SIA/KL/MIS/273775/2022; File No: 2109/EC3/2022/SEIAA)

The Committee discussed the request of the Project proponent vide his letter dated 16.12.2024. As per the letter, it is intimated that they were given EC for the building with a built-up area of 73,379.86m² on 27.2.2020 (File No. 1186/A2/2018/SEIAA) with the condition that they will implement an approved RP & NCRAP for an amount of Rs. 551.1 Lakh and after submitting a bank guarantee of Rs. 551.1 lakh to the KSPCB on 26.2.2020. There was delay in implementation of the approved RP & NCRAP due to various reasons such as (i) the campus was handed over to the Government of Kerala (GoK) to function as CFLTC & CSLTC for treatment of Covid patients soon after the issuance of EC up to 18.11.2021. Further the local governments were immersed in activities related to the containment of the pandemic (ii) delay in constituting the Monitoring Committee and (iii) difficulties due to the lack of understanding of such projects by the Public Stakeholders like the Local Governments. Hence, projects for Rs. 50,98,569/- only could be implemented up to 2.12.2024. The proponent explained their pressing need for immediate expansion of the project and requested to process the application for the proposed expansion project considering their support given to the GoK during the Covid and flood and the bank guarantee of Rs. 551.1 Lakh submitted to the KSPCB. The Committee noted that the 139th meeting of the SEAC sought 12 ADS after a field inspection of the project site proposed for expansion and they have uploaded the ADS on 14.5.2024 except the Compliance report from the IRO, MoEF & CC, Bangalore. A complaint dated 31-01-2023 forwarded MoEF & CC against the non-compliance to the Environmental Clearance condition relating to the implementation of the prescribed remediation plan was also brought before the Committee.

The 164th meeting of the SEAC noted the request of the Proponent for the intervention of the SEIAA for smooth implementation of the RP&NCRAP and also extension of the time period by two more years up to 26.2.2025 and the Committee responded that it has no objection for

changing the activities proposed in the RP & NCRAP provided the project proponent submits the credible reasons for their inability to implement the action plans and feasible alternative plans without change in the overall budget allocation. The 144th SEIAA meeting decided to reconstitute the Monitoring Committee for effective implementation of the activities for RP & NCRAP and as per the direction of the Authority, the 169th SEAC nominated Dr. A.V. Raghu, Member, SEAC as the Chairman of the Monitoring Committee. The Committee also decided to consider the alternate proposals for RP & NCRAP, if the Project Proponent submits feasible proposals for the project region and also expansion proposal on satisfactory compliance of original EC conditions as well as on submission of the additional documents sought. The Monitoring Committee was reconstituted vide Proceedings dated 12.09.2024 and the project proponent submitted revised RP & NCRAP and requested for its approval.

The 173rd meeting of the SEAC examined the revised RP & NCRAP submitted by the Project Proponent vide letter dated 05.11.2024. The total cost of Remediation Plan proposed is 5,51,10,000/- and the Proponent reported that they have already implemented Projects for Rs. 50,98,569/-. After detailed evaluation of the revised proposal and hearing the difficulties faced by the Proponent in implementing majority of the interventions approved in the original RP&NCRAP from the Chairman of the Monitoring Committee, the Committee decided to recommend six subprojects for a total cost of Rs. 395.4 Lakh submitted in the revised RP & NCRAP Plan by the Proponent for approval of the SEIAA. Out of the recommended revised RP&NCRAP, projects worth Rs.112.4 lakh has to be implemented by the Gram Panchayats, Rs. 208 Lakh has to be implemented by the Fire & Rescue Dept of GoK and the rest Rs.75 lakh has to be implemented by the Proponent directly.

In the above-described background, the Committee discussed the request of the PP vide letter dated 3.12.2024 and 16.12.2024 to process the EC application for proposed expansion project and grant EC at the earliest by considering the bank guarantee of Rs. 551.1 Lakh submitted to the Kerala State Pollution Control Board. **Based on discussion, the Committee decided to request the SEIAA to permit the SEAC to appraise the EC application for the proposed expansion project as a special case subject to the following conditions:**

1. Submission of the Certified Compliance Report from the IRO, MoEF & CC, Bangalore
2. Approval of the revised RP & NCRAP part of the projects for Rs. 395.4 Lakh recommended by the SEAC.
3. Depositing the estimated amount to the three Grama Panchayats (Rs. 112.4 Lakh) and Fire & Rescue Department, Govt. of Kerala (Rs. 208 Lakh) for implementation of the projects proposed by them with a condition to implement it within one year
4. Implementation of the two projects committed by the PP, (i) Construction of drainage to Parakkadavu Canal (Rs. 50 Lakh) and beautification of National Highway (Rs. 25 Lakh)
5. Approval of the Monitoring Committee stating satisfactory completion of the project implemented already by the PP for Rs. 50,98,569/- and the two-proposal cited above for Rs. 75 lakh.

6. Submission of proposal for the balance amount of Rs.104,71,431/- and its recommendation by the SEAC and approval by the SEIAA.

PARIVESH FILES (Ver-1)

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE
PART-1

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

The Committee scrutinised the additional documents submitted on 18.11.2024 and found them satisfactory. As per the documents the PP submitted proof of application for Wildlife Clearance vide proposal No. WL/KL/INFRA/447381/2023 dated 07.10.2023. The parking facility proposed is for 980 Cars and 1,090 two wheelers in the respective floors viz. Basement floor (440Cars&350 TW), Lower Ground Floor (99 cars & 120 TW), Mezzanine Floor (Cars- 69& 120 TW), Terrace parking (Cars-300 &150 TW), and Surface parking (Cars-72 & 350 TW). The PP has received a letter vide no. KMC/GEN/2024-25/65 dated 13.09.2024 from M/s KMC Constructions Ltd. and the excavated earth / soil is indented for widening works of N.H.-66 road. The engineering design and other provisions to facilitate the differently-abled citizens are found acceptable. The Inspection report of KSEB dated 11.12.2023, the proposed building is located between 62 & 63 of 110kv KGTM feeder. The proposed building is coming directly under the line. The vertical clearance between the lowermost conductor of the feeder and topmost point of the proposed building as per plan submitted is 18.90m. The ground clearance of the bottom conductor of the 110kv feeder at the site is about 30.50m. The height of the proposed building is 11.60m as per the plan submitted. The inspection report also conveys that shifting of the line is not technically feasible and the proposed construction comes within the ROM/ within the corridor of the line. As per the ADS the domestic water requirement is 222 KL. As per the application, the elevation of the area varies between 125 lvl. to 100 lvl. The total plot area is 2.1552 ha. (21,552 sqm). The total built up area proposed is 56, 650 sqm. **Based on discussions the Committee decided to recommend EC for 10 years for the proposal subject to (i) FAR permissibility, (ii) NOC from the KSEB and (iii) the following specific conditions in addition to the general conditions.**

1. The Conditions in the NOC from the KSEB should be strictly complied with.
2. The FAR norms should be complied strictly.
3. The guidelines for green rating and green building certification to buildings based on green standards issued by Government of Kerala vide GO (MS) No. 39/2022/LSGD dated 25.2.2022 should be adhered to.
4. Green belt surrounding the campus, avenue tree planting, and garden development should commence from the beginning of the construction phase. Suitable local species should be used for green belt and avenue trees.

5. Vegetation should be developed appropriately on the ground and over built structures such as roofs, basements, podiums, etc.
6. Adequate safety gadgets and instruments should be provided to the people engaged in the treatment of solid and liquid wastes. Periodic checkups regarding the health status of the people should be undertaken.
7. The Kerala Energy Conservation (Building Code) Rules 2017 should be complied with.
8. Energy conservation measures as proposed in the application should be adopted in total. The PP should examine the scope for improving energy conservation measures periodically and should implement the same.
9. Periodic monitoring of water samples from the groundwater sources should be carried out. Adequate treatment methods should be followed to remove the contaminants.
10. The STP should be augmented with Tertiary Treatment Unit to ensure quality of treated water for re-use /recycle for flushing / gardening/ firefighting/ recharge of local ground water as per the plan submitted.
11. Treated water from STP should be reused to the maximum extent and balance if any should be discharged through a series of soak pits for recharging the local ground water, and for avoiding discharge of treated water into the nearby public drain.
12. The proponent should implement the drainage plan as proposed.
13. Water efficient plumbing features for saving water use should be adopted as per the plan submitted.
14. Local topography of the land profile should be maintained as such by avoiding deep cutting /filling.
15. The Project Proponent should make provision for the housing of construction labour with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).
16. Climate responsive design as per Green Building Guidelines in practice should be adopted
17. Exposed roof area and covered parking should be covered with material having high solar reflective index
18. Building design should cater to differently-abled citizens
19. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow
20. Buildings should be barricaded with GI sheets of 6 m. (20 feet) height and provided appropriate protection so as to avoid disturbance to other buildings nearby during construction.
21. Construction work should be carried out during day time only.
22. All vehicles, including the ones carrying construction material of any kind, should be cleaned and wheels washed.

23. All vehicles carrying construction materials should be fully covered and protected.
24. All construction material of any kind should not be dumped on public roads or pavements or near the existing facilities outside the project site.
25. Grinding & cutting of building materials should not be done in open areas. Water jets should be used in grinding and stone cutting.
26. Occupational health safety measures for the workers should be taken during the construction.
27. All vehicles during the construction phase should carry PUC certificate.
28. D.G. set should be provided with adequate stack height and regular maintenance should be carried out before and after the construction phase and would be provided with an acoustic enclosure.

Item No.02 Environmental Clearance for the Building Stone Quarry project of Sri. Faisal, Managing Partner, M/s Star Granites for an area of 2.5065 Ha at Re-Sy. Block No. 5, Re-Sy. No. 2/1B, in Kedavoor Village, Thamarassery Taluk, Kozhikode. (SIA/KL/MIN/154284/2020, 1736/EC4/2020/SEIAA)

The Committee discussed the additional documents submitted by the project proponent dated 09.11.2024. The proposal was considered in the 120th SEAC meeting held on 24th – 26th, March, 2021 and the committee pointed out six shortcomings to be addressed by the PP. The Committee heard the presentation in the 122nd SEAC meeting held on 15th to 18th June 2021 in which the Committee sought 9 ADS. The PP submitted the ADS on 9.11.2024, after 3 years. As per the satellite imagery, the site is an expansion of a quarry and a crusher is found located within the proposed site. As per the Cluster Certificate dated 28.10.2024, there is no quarry in operation within 500 meter radius of the proposed quarry. The life of mine is 10 years and the 6,60,370 MT. The elevation of the area varies between is 70 m AMSL to 55m AMSL. Malabar wildlife sanctuary is situated at a distance of 7.26km and the proof of application submitted for Wildlife Clearance is submitted vide Proposal No. WL/KL/MIN/QRY/503917/2024. The depth to water table is 4m below ground level. The project cost is 4.65 crore. The Committee observed that some of the additional documents submitted are not satisfactory and need revision. Further, there are clarifications required with respect to the details of EC issued to the quarry located within the proposed site as well as crusher located within the proposed site. **Hence, the Committee decided to direct the PP to submit the following additional documents.**

1. Details of EC issued to the quarry located within the proposed site and its copy
2. Certified Compliance Report from the IRO, MoEF& CC, Bangalore
3. Status of the location of the crusher seen within the proposed site as per the google imagery
4. Revised site-specific EMP prepared by a NABET accredited agency.
5. Latest legible Survey Map indicating all the built structures within 200m distance from the project boundary
6. Recent baseline data monitored during non-monsoon season as the one submitted is of August 2019 except the Air quality data.

7. Legible copy of Mine Plan along with certificate from the Mining & Geology Department regarding the extraction status
8. Clarification for the encroachments into the buffer zone of the existing quarry
9. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024.

Item No.03 Environmental Clearance for the Granite building stone quarry project by Shri. Mohammed Nishad P.P for an area of 1.7283 Ha at Sy No-1012/99, 1012/98, 1012/81 in Melmuri Village, Ernad Taluk, Malappuram (SIA/KL/MIN/159437/2020 1766/EC6/2020/SEIAA)

The Committee observed that the application was submitted on 29.8.2020, there have been inordinate delay in submission of additional documents by the PP. The Committee discussed the additional documents submitted by the project proponent dated 02.12.2024. The PP submitted a report containing the map of micro-watershed, prepared by Mahatma Gandhi University. However, it does not contain the distribution of population and built structures in the micro-watershed up to the downstream area, which was sought. The PP also submitted the minutes of the meeting of District Level Crisis Management Group held on 01.11.2024. As per the Cluster Certificate dated 21.12.2022, there is no Granite Building Stone quarry in operation within 500-meter radius of the proposed site. Currently, the Google imagery reveals that the area consists of several quarries within 500m radius which indicates cluster condition. **Therefore, the Committee decided that the application can apprise only after the submission of satisfactory additional documents sought in 155th SEAC meeting along with resent Cluster Certificate from Mining and Geology Department considering the nearby projects within 500m including those which are given Letter of Intent and also other non-working quarries which are not closed as per the approved mine closure plan by the Mining and Geology Department.**

Item No.04 Environmental Clearance for Granite Building Stone Quarry project of M/s Jesus Granites Pvt. Ltd. for an area of 1.4781 Hectare at Survey No. 911/1-5, 916/3, 916/3-2, 916/3-3, 916/3-4 in Kallorkad Village, Muvattupuzha Taluk, Ernakulam. (SIA/KL/MIN/276958/2022, 2049/EC3/2022/SEIAA)

The Committee discussed the additional documents submitted by the project proponent dated 24.11.2024. The project cost is revised as Rs. 3,37,03,000/-. The PP submitted the mine closure plan approval letter of the nearby quarry of Sri. Jimmy Jose for an area of 1.9442 Ha dated 04.11.2024. The PP obtained NOC from the Executive Engineer, Irrigation Department, Muvattupuzha vide order dated 16.11.2024 with 14 conditions with a valid period up to 15.11.2025. On detailed verification of the documents, the Committee observed that some of the additional documents submitted are not satisfactory. Therefore, the Committee decided to direct the PP to submit the following additional documents.

1. Revised Comprehensive EMP prepared by a NABET accredited agency considering all the quarries within the cluster and their activities and impacts.
2. Revised CER as per the guidelines uploaded in the SEIAA website as the one submitted is dated 24.05.2022, and its relevance at present is doubtful.

Item No.05 Environmental Clearance for the Granite Building Stone Quarry project of Sri. Ambujakshan. P, for an area of 1.3297 Ha at Re-Survey No. 132/1A, in Perinthatta Village, Thaliparamba Taluk, Kannur (SIA/KL/MIN/288582/2022, 2110/EC4/2022/SEIAA)

The Committee discussed the additional documents submitted and found them satisfactory. A total quantity of 14,235 cu.m of topsoil is proposed to be removed during the mining operations. The PP submitted plan for reducing the risk of fly rocks by installing rock fall netting systems, thereby operators can significantly reduce the risks associated with rock fall, ensuring a safer working environment and protecting personnel, equipment, and infrastructure. The PP, in a letter dated 11.10.2024, informed that he has submitted an application seeking NOC from the Irrigation Department. As per the application, the total mineable reserve is 2,88,650 MT for a mine life of 5 years. The mining plan is approved dated 24.09.2018. The depth to water table is given by 11.2m below the ground level. The highest elevation of the lease area is 130m MSL and lowest is 75m MSL. The nearest house is located at a distance of 66.7m. As per the Cluster Certificate dated 24.09.2018, there is no quarry is operating within 500m radius of the proposed project. The google imagery of 2024 does not indicate any granite quarry within the cluster. **Based on discussion, the Committee decided to recommend EC for 5 years subject to following Specific Conditions in addition to the General Conditions.**

1. Depth of mining should be limited to 70m above MSL considering the depth to water table.
2. A protection wall of 5m height should be erected at the boundary connecting the BP7, BP8 and BP9.
3. The green belt should be initiated prior to the commencement of mining using indigenous species.
4. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
5. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
7. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
8. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak

Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.

9. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
10. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
11. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
12. The haulage road should be provided with sprinkling facility to prevent dust pollution.
13. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
14. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
16. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
17. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
18. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
19. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
20. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.06 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Venesh S., for an area of 2.0110 Ha. in Block No. 66, at Re Survey Nos. 292/1194, 292/6358, 292/2642, 292/6357, 292/5700, 292/4163, 292/3209, 292/3455, 292/1619, 292/159, 292/3513, 292/1612, 292/747 in New Naduvil Village, Thaliparamba Taluk, Kannur. (SIA/KL/MIN/407136/2022, 2156/EC4/2022/SEIAA)**

The Committee discussed the additional documents submitted by the project proponent and found them satisfactory. The PP submitted letter of the Executive Engineer, Irrigation division Kannur dated 18.09.2024 which indicates that NOC application is under processing. The elevation of the proposed area varies between 340 to 400m AMSL. As per the revised

Mining Plan, the mineable reserve is 6,25,350 MT for a mine life of 5 years. The total project cost is 2 Crore. The depth to water table is 6m below the ground level at 295m AMSL. The PP submitted NOC from the District level Crisis Management Group vide letter dated 16.08.2024 subject to safe storage of top soil, adopting adequate protective measures and mining by controlling the ground vibrations. There are no houses within 200 radius of the proposed site. The Proposed area falls under the medium hazard zone and the high hazard zone is located at a distance of 480m. As per the Cluster Certificate dated 11.10.2022 there is no quarry within 500m from the proposed site. **Based on discussion, the Committee decided to recommend EC for 5 years subject to the submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024. The following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:**

1. A buffer of 57.5m on the northern side of the proposed site should be left as non-mining area. Accordingly, the minable reserve should be revised.
2. Depth of mining should be limited to 340m above MSL to avoid formation of mine pit in the sloping terrain.
3. The conditions stipulated in the NOC from the District level Crisis Management Committee should be strictly complied.
4. The conditions stipulated in the NOC, if issued, from the Irrigation Department should be strictly complied with.
5. The green belt should be initiated prior to the commencement of mining using indigenous species.
6. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
7. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
8. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
9. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
10. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
11. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
12. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR

13. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
14. The haulage road should be provided with sprinkling facility to prevent dust pollution.
15. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
16. 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.
17. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
18. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
19. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
20. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
21. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
22. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.07 **Environmental Clearance for the Granite Building stone quarry of Sri. Ashok Mathai Alexander, M/s.Highrange Granite Industries for an area of 4.5000 hectares at Sy.Nos.431 Part and 442 Part, in Kokkayar Village, Peerumade Taluk, Idukki.**
(SIA/KL/MIN/422372/2023, 2262/EC3/2023/SEIAA)

The Committee discussed the additional documents submitted by the project proponent dated 14.11.2024. The revised mining plan dated 31.05.2024 was prepared by limiting the mining in the eastern side of the site beyond the summit as suggested. The mineable reserve is 9,59,020 MT for a mine life of 8 years. The PP also submitted a Risk Assessment Study conducted by the NIT Calicut on May 2024 which also recommended to avoid mining in the eastern side of the proposed site beyond the summit. The highest elevation of the lease area is 305 m MSL and lowest is 235 m MSL. The proposed site is in an ESA village. The Committee discussed the evaluation report of the additional documents and found them satisfactory. The Committee observed that the village as whole is highly vulnerable and the site is located on the moderately steep slope of a ridge adjacent to the river. The slope of the ridge towards the river side is also very steep and falls in a moderate hazard zone. The google imagery indicates that there are 16 notable landslides incidence within 10km radius of the site out of which one is at 1.36km. **Considering the overall vulnerability of the village and**

precaution required, the Committee decided to direct the Project Proponent to submit an NOC from the District Level Crisis Management Committee, even if the site per say doesn't fall in the moderate hazard zone. The PP should to also submit an NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19.04. 2024.

Item No.08 **Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Sabju V for an area of 0.3349 Ha at Re-Survey No.33/79 in Kakkad Village, Kozhikode Taluk, Kozhikode (SIA/KL/MIN/429438/2023, 2326/EC4/2023/SEIAA)**

The Committee discussed the additional documents submitted by the project proponent dated 21/11/2024 and found them satisfactory. As per the documents the mining is proposed in an area of 0.3349 Ha, by leaving an area of 7.5 meters as buffer. The total production is given by 50,235 MT for a mine life of 2 years. The project cost is 20 Lakhs. The elevation of the proposed area varies between 142 to 162m AMSL. As per the presentation, the nearest house is reported at a distance of 280.1 from the project boundary. As per the cluster certificate dated 19.04.2024, there is no quarry in operation within 500m radius. The moderate hazard zone is located a distance of 0.65 km. The depth to water table is given as 4 m below ground level at 122 m AMSL. **Based on discussion, the Committee decided to recommend EC for 2 years subject to the following specific conditions in addition to the general conditions.**

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

13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented within 6 months from the date of EC and maintained during the rest of the EC period.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm)

Item No.09 Environmental Clearance for the Laterite Building Stone Quarry project of Sri.Ullas T.K, for an area of 0.1909 Ha at Re-Survey No.67/977, 979 in Kakkad Village, Kozhikode Taluk, Kozhikode (SIA/KL/MIN/431974/2023, 2347/EC2/2023/SEIAA)

The Committee discussed the additional documents submitted by the project proponent dated 11/11/2024 and found them satisfactory. As per the application, the total production is 28,635 MT for a mine life of 1 year. The project cost is 15 Lakh. The elevation of the area varies between 292m AMSL to 274 m AMSL. The nearest building is located at a distance of 66 m from the project boundary. As per the cluster certificate dated 19.04.2023, there is no quarry in operation within 500m radius. The proposed area is located between moderate hazard zone and the distance to nearest hazard zone is 150 m. The depth to water table is given as 8m below ground level at 240m AMSL. **Based on discussion, the Committee decided to recommend EC for 1 year subject to the following specific conditions in addition to the general conditions.**

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

11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC and maintained during the rest of the EC period.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm)

Item No.10 Environmental Clearance for the Proposed Granite Building Stone Quarry (Minor Mineral) of Sri. Syam G Raj for an area of 3.4519 ha. at Block no. 33, Re-survey Nos: 144/1, 144/2, 144/3, 144/4, 144/5, 144/7, 144/8, 144/9, 144/10, 144/11, 144/12, 143/1, 143/3-1, 143/3-2, 143/7, 143/15, 143/16, 145/4 of Pazhayakunnummel Village, Chirayinkeezhu Taluk, Trivandrum. (SIA/KL/MIN/438519/2023, 2427/EC3/SEIAA/2023)

The Committee discussed the additional documents submitted by the project proponent dated 09/12/2024 and found them satisfactory. As per the mining plan, the total mineable reserve is 15,06,285 MT for a mine life of 8 years. The highest elevation of the permit area is 115 m AMSL and the lowest is 70 m AMSL. The depth of mining proposed is up to 70m above MSL. The high hazard zone is at 19.45 km and the medium hazard zone is at 10 km. The Committee observed that, the nearest house is at 67.6 m and two more houses are located at 72.1 m and 75.7m. The total project cost is Rs.2.5 Crore. The depth to water table is 8m below ground level at 42 m AMSL. As per the Cluster Certificate dated 16.06.2023, there is a quarry of Sri. K A Jaleel for an area of 1.4808Ha and the lease valid up to 24.07.2028. Hence, altogether the area in the cluster is 4.9327 Ha. **Based on discussion, the Committee decided to recommend EC for 8 years subject to the submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024. The following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:**

1. The conditions, that would be stipulated in the NOC from the Irrigation Department should be strictly complied with.
2. Depth of mining should be limited to 64m AMSL to avoid deep pit in the vulnerable valley portion.
3. A temporary wall of height 5m should be developed eastern and southern part of the proposed site.
4. The green belt should be initiated prior to the commencement of mining using indigenous species.

5. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
6. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
8. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
9. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
10. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
11. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
12. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
13. The haulage road should be provided with sprinkling facility to prevent dust pollution.
14. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
15. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
17. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
18. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
19. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
20. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
21. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.11 **Reappraisal of DEIAA issued EC for the Granite Dimension Stone Quarry Project of Sri.T.D Ponraj for an area of 1.3065 Ha at Survey Nos.118/20,118/7,118/8, 118/27, 118/27-1, 118/21pt, 118/23pt, 120/5, 117/3pt in Ottasekharamangalam Village, Kattakada Taluk, Thiruvananthapuram**
(SIA/KL/MIN/440548/2023, 2435/EC3/2023/SEIAA)

The Committee discussed the additional documents submitted by the project proponent dated 18/11/2024. As per the documents, the PP submitted proof of application for Wildlife Clearance vide Proposal No. WL/KL/MIN/QRY/500358 dated 14.10.2024 since the Neyyar Wildlife Sanctuary is located at 3.15 Km. The 172nd SEAC meeting sought CCR, but the PP stated that no excess quantity has been extracted from the area by quoting the letter of Geologist, Thiruvananthapuram dated 18.07.2024. Hence, CCR is not submitted. The FIR did not report any non-compliance. The application is for the reappraisal of EC issued from DEIAA vide proposal No. DIA/KL/MIN/12916/2028 dated 19.05.2018 for a period of 5 years. As per the mining plan, the mineable reserve is 1,69,017.1 m³. The life of mine is 12 years. The project cost is 1.5 crore. The highest elevation of the propose area is 180m AMSL and the lowest elevation is 135m AMSL. The depth to water table is 12 m below ground level at 85m AMSL. As per the Cluster Certificate dated 09.10.2023, there is no working quarry within 500m radius. The distance to moderate hazard zone is 3.5 km and the distance to high hazard zone is 3.72 Km. The distance to nearest house is at a distance of 100 m from the project boundary. As per the mine Plan, no blasting is involved in the mining process. The stone cutting method using diamond wire saw is proposed for extraction rather than blasting. Since blasting is not involved, NOC from the Irrigation Department is not sought. **Based on discussion, the Committee decided to recommend EC for 12 years subject to the following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:**

1. The excavation activity should not involve blasting.
2. The green belt should be initiated prior to the commencement of mining using indigenous species.
3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
7. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR

8. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
9. The haulage road should be provided with sprinkling facility to prevent dust pollution.
10. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
11. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
12. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
13. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
14. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
15. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
16. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
17. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.12 Reappraisal of DEIAA issued EC for the Granite Building Stone Quarry Project of Sri. K.N. Balakrishnan for an area of 3.7227 Ha at Block No. 27, Re survey No. 45/1, 45/2, 46 in Erumely south Village, Kanjrapal Taluk, Kottayam. (SIA/KL/MIN/441059/2023, 2438/EC4/2023/SEIAA)

The Committee examined the proposal and discussed the additional documents submitted by the project proponent. The PP submitted CCR from MOEF&CC dated 22.07.2024. The proposal has been appraised in the 154th, 164 and 172 SEAC meetings held on different dates. The Committee observed that the PP failed to submit the following documents.

1. Legible Certified Survey Map
2. Resent Cluster Certificate.
3. Scheme of mining/ the certificate from the Mining and Geology Department regarding the quantity of resource so far mined out and the balance quantity.
4. Mine lease document
5. NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655 of 2024 dated 19.04. 2024.

As per the Google imagery, there is a quarry of M/s Popular metals within 500m radius (SIA/KL/MIN/494630/2024) with an area of 1.5786 Ha. Considering the quarry proposals

within 500m radius, the area of the cluster is 5.3013 Ha and the EIA study and Public Consultation are necessary as per the existing norms. **Therefore, the Committee decided to direct the Proponent to apply for ToR for conducting EIA study and public consultation prior to submission of application for environmental clearance.**

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

The Committee examined the proposal and the additional documents submitted by the project proponent on 05.11.2024 and found them satisfactory. The PP submitted site specific Comprehensive EMP considering the following mining project existing within 500m radius.

1. Quarry of Ramis Abdul Hakeem for an area of 0.7405 Ha.
2. Quarry of Faris Kiliyamannil for an area of 0.1942

Vide letter dated 2.11.2024 of the Geologist, M&G Dept., Palakkad, the validity of permit of another laterite mine in the cluster with an area of 0.4827 owned by Sri. Anilkumar P.T is expired. As per the application, the total mineable reserve is 97,616MT with an annual production of 32,535MT in the first two years and 32,546 MT in third year. The mine life is 3 years. The total project cost is Rs.26.01 Lakh. The distance to nearest house is 51.6m. The depth to water table is 10m below ground level at 72 m AMSL. The highest elevation of the proposed area is 86m AMSL and the lowest elevation is 79m AMSL. **Based on discussion, the Committee decided to recommend EC for 3 years subject to submission of affidavit stating that the recommendations in the Comprehensive EMP will be implemented by the 3 quarries within 500m radius by sharing the cost required. The following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:**

1. The stipulations in the EMP will be implemented by the 3 quarries within 500m radius.
2. The excavation activity should not involve blasting.
3. The excavation activity should be restricted to 2m above the groundwater table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area.
5. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
9. Workers/laborers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of the proposed excavation.
11. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.

13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented within 6 months from the date of EC and maintained during the rest of the EC period.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm)

Item No.14 Environmental Clearance for the Granite building stone quarry project of M/s. Crushed Metal Products, Managing Partner, Shri Aju Varghese for an area of 0.8250 Ha, at Re-Survey Nos. 329/3, 329/4, 329/6, 336/2, 330/8, 336/6 of Vellinezhi Village, Ottappalam Taluk, Palakkad. (SIA/KL/MIN/457432/2024, 2507/EC2/2024/SEIAA)

The Committee scrutinised the additional documents submitted by the project proponent dated 07/12/2024 and found them satisfactory. As per the Cluster Certificate dated 05/06/2024, there is an adjacent working quarry near to the proposed area with an extent of 1.1676 Ha. The PP submitted Comprehensive EMP by considering the quarry owned by the same PP for an area of 1.1676 Ha located within 500m radius. The PP obtained NOC from the Irrigation department, Kanjirapuzha vide order No. A3-2393/2024 dated 04.09.2024 subjected to 14 conditions. The validity of the NOC is for 1 year. The total mineable reserve is 2,17,770 MT with an annual production of 54,442.5 MT. The life of mine is 4 years. The highest elevation of the lease area is 120m above MSL and lowest elevation is 100m MSL. The depth to water table is given as 11 m below ground level at 89m AMSL. The total project cost is Rs. 1.30 crore. The nearest built structure is located at distance of 152.30m. The distance to moderate hazard zone is 6.68 Km and the distance to high hazard zone is 17.97km. **Based on discussion, the Committee decided to recommend EC for 4 year subject to the following specific conditions in addition to the general conditions.**

1. The conditions stipulated in the NOC issued by the Irrigation Department should be implemented scrupulously.
2. The stipulations in the Comprehensive EMP will be implemented by the quarries within 500m radius.
3. Depth of mining should be limited to 95m AMSL to avoid deep pit in the vulnerable valley portion.
4. The green belt should be initiated prior to the commencement of mining using indigenous species.
5. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
6. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.

7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
8. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
9. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
10. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
11. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
12. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
13. The haulage road should be provided with sprinkling facility to prevent dust pollution.
14. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
15. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
17. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
18. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
19. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
20. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
21. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.15 Environmental Clearance for the Granite Building Stone Quarry project of Sri. Kunhi Muhammed for an area of 0.8939 Ha at Sy.No.1065 in Melmuri Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/75334/2020, 1820/EC6/2020/SEIAA)

The Committee scrutinised the additional documents submitted by the PP and found them satisfactory. The Public hearing of the proposal was conducted on 24.09.2021. The elevation of the area varies between 75m AMSL to 120m AMSL. The ultimate pit level of quarry operation is 65 m MSL. The mineable reserves is 2,39,844.2 MT and the mine life proposed is 5 years. The medium hazard zone is located at a distance of 195m from the project site. The nearest habitation is located beyond 200m from the site. The project cost is 1.04 Crore. The depth to water table is given as 4m bgl at 62m AMSL. **Based on discussion, the Committee decided to recommend EC for 5years subject to the submission of NOC from the Irrigation Department in compliance with Section 40(2) of the Kerala Irrigation and Water Conservation Act, 2003 as ordered by the Hon'ble High Court of Kerala in WP(C) No. 30737 of 2022 and 4655of 2024 dated 19.04. 2024. The following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:**

1. The conditions stipulated in the NOC, if issued from the Irrigation Department, should be complied with scrupulously
2. The green belt should be initiated prior to the commencement of mining using indigenous species.
3. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
4. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
5. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
6. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
7. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
8. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
9. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR

10. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
11. The haulage road should be provided with sprinkling facility to prevent dust pollution.
12. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
13. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
14. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).
15. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
16. Adequate energy conservation measures should be implemented including solar power installations. At least 40% of the energy requirement shall be met from the solar power
17. The Environment Management Cell (EMC) should include one subject expert in environment management. The proceedings of the monthly meeting of the EMC should be submitted along with the HYCR. dump plan
18. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
19. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

Item No.16 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Jaisal M.P for an area of 3.8323 Ha at Sy.No.269/1-5, 269/1-2, 269/1-3,269/1-4 in Nediyrippu Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/77965/2019, 1278/EC2/2019/SEIAA)

The Committee discussed the EIA evaluation report and additional documents submitted by the Project proponent. The additional documents submitted are found satisfactory. The PP obtained NOC from irrigation department, Malappuram vide order dated 15.11.2024 for a period of 1 year subjected to 12 conditions. The PP also informed that the NOC from the District Level Crisis Management Committee is under processing. As per the 172nd SEAC meeting, the PP submitted affidavit stating that the mining operations will commence after getting the NOC the District level crisis Management Committee. The nearest building is at 261m. About 33% of the project area falls in medium hazard zone. The highest elevation of the proposed area is 100m above MSL and lowest is 30m above MSL. The Public Consultation of the proposal was held on 22/09/2021 which had 100 participants, out of which 15 peoples expressed their complaints and grievances about the project to which PP responded in the revised EIA report. The total Mineable reserve is 1,35,945 MT (1,00,000 TPA) and Mine life is 13 years. The Project cost is Rs 3.167 crore. **Based on discussion, the Committee decided to recommend EC for 13 years subject to the submission of NOC**

from the District Level Crisis Management Committee and the following Specific Conditions in addition to the General Conditions may be stipulated while issuing EC:

1. The conditions stipulated in the NOC issued from the Irrigation Department, should be complied with scrupulously
2. All the assurances given and the mitigation measures suggested by the project proponent as per the minutes of public hearing and revised EIA should be complied with and submit the compliance report along with HYCR.
3. The depth mining should be limited to 30m AMSL to avoid formation of mining pit in the steep terrain.
4. The green belt should be initiated prior to the commencement of mining using indigenous species.
5. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees on available land owned by the proponent, at the lower portion of the land.
6. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
7. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
8. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites
9. The impact of vibration due to blasting on the houses and other built structures within 200m distance from the project boundary should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay prior to the commencement of mining by engaging an institution of national repute. The vibration monitoring should be done periodically and it should be included in the Half Yearly Compliance Report.
10. A temporary wall of 5m height should be erected at appropriate locations on the boundary to avoid disturbance and nuisance to the nearby residents.
11. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
12. Implementation of CER Plan should be done during the first two years of the EC period and its operation and maintenance should be done till the completion of mine closure plan.
13. The haulage road should be provided with sprinkling facility to prevent dust pollution.
14. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the half-yearly compliance report (HYCR).
15. Drainage water should be monitored at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geotagged photographs of the drainage and sampling site should be submitted along with HYCR.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5.00 pm).

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

The Committee decided to convene its 177th SEAC meeting 03rd and 4th Janury 2025

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

Sd/-

Suneel Pamidi, IFS
Member Secretary, SEAC

Sd/-

Dr. R. Ajayakumar Varma
Chairman, SEAC

LIST OF PARTICIPANTS:

Sl.No.	Name	17.12.2024
1.	Dr. R. Ajayakumar Varma (Chairman)	✓
2.	Sri. S. Sheik Hyder Hussain	✓
3.	Dr. A. Bijukumar.	X
4.	Dr. A.N. Manoharan	✓
5.	Shri. M. Dileepkumar	X
6.	Dr. C.C. Harilal	✓
7.	Dr.K.Vasudevan Pillai	✓
8.	Dr. Mahesh Mohan	✓
9.	Dr. K.N. Krishna kumar	X
10.	Sri. V. Gopinathan	✓
11.	Dr. A.V. Raghu	✓
12.	Dr. N. Ajithkumar	✓
13.	Suneel Pamidi (Secretary)	✓