

**MINUTES OF THE 162nd MEETING OF THE STATE LEVEL EXPERT
APPRAISAL COMMITTEE (SEAC), KERALA HELD ON, 02TH APRIL 2024
THROUGH ONLINE PLATFORM**

The meeting started at 10.00 AM on 2nd April 2024. Dr. R. Ajayakumar Varma, Chairman, of SEAC Kerala chaired the meeting. The Committee discussed the following agenda items in detail and took the following decisions:

Item No.162.01 **Noting of the minutes of 161st SEAC meeting held from 13th, 14th & 15th March 2024.**

Confirmed the minutes.

Item No.162.02 **Legislative Committee on Environment Petition lodged by "Ammachiveedu Moorthidevi Kshethram Bharanasamithi" regarding the Environmental problems caused by the construction of Flat by ARTECH GROUP - reg.
(File No: 1453/A1/2021/SEIAA) (1139/SEIAA/EC/2017)**

The Committee discussed the field inspection report conducted on 26.2.2024 as per the direction of the 136th meeting of SEIAA. The decision of the Authority was in response to the Government letter no. A3/38/2019/Env't dt. 04.07.2023 requesting the State Environment Impact Assessment Authority to inspect the site of the Residential cum Commercial Building Project namely 'Artech Ferns' proposed in Sy No. 238/11 and 238/11-2 of Kollam West Village as a joint venture by Sri. Felix Babu and Sri. John A Ferns and Artech Realtors and submit a report. The project was given environmental clearance vide EC No. 1139/EC/SEIAA/KL/2017 dated 5.2.2018 and Sri. G. Mohanan Unnithan, Dy. Manager, Ammachiveedu Moorthy Kshethram, Thirmullavaram (PO), Kollam submitted a complaint dated 27.12.2018 to the Hon. Chairman of the Kerala Legislative Committee on the Environment. Environmental Clearance (EC) issued to the project. As per the EC, the building is proposed to have 225 dwelling units with a total height of 110m above ground level with Basement, Ground and another 32 floors. The total built-up area proposed is 53808 m² in a land area of 9342 m². The EC was issued with 8 green conditions, 24 general conditions, 26 specific conditions for the construction phase and 13 specific conditions for the operational phase. The proposed site is located adjacent to the Ammachiveedu Murthy Temple and adjacent Sacred grove (Sarppkavu). **Based on discussions, the Committee decided to submit the Field Inspection Report containing the following findings to SEIAA:**

1. The Complainant, Sri. G. Mohanan Unnithan, representing the Ammachiveedu Murthy Temple Trust expired in November 2023. The temple trust is known to be a family trust governed through the Hon. Court and a new trustee is yet to be appointed.
2. Mr. Prasannan Unnithan, Sreekariam of the Ammachiveedu Moorthy Temple, who belongs to the Ammachiveedu family was present and detailed their complaints about the construction of the proposed building complex.

3. The boundary wall of the proposed site for building complex shares the boundary of the Ammchiveedu Moorthy Temple and associated Sacred Grove.
4. The EC holders, Mr. Felix Babu and Mr. John A Ferns who are also known to be the land owners were absent during the visit.
5. Sri. T.S. Ashok, Managing Director of M/s. Artech Realtors Pvt Ltd., vide his letter to the MS dated 22.2.2024 communicated through e-mail on 27.2.2024 informed that the EC was on the name of Land owners and M/s Artech entered into a joint venture. He informed that the Artech withdrew from the Project since 19.6.2023 due to disputes with land owners. However, he has deputed Mr. Sharat Chandran, Manager, Artech, Kollam to the site. The EIA consultant, M/s. Ultratech represented by Smt. Ananthitha was present at the site and briefed about the project and its status.
6. The site for the proposed building complex is found abandoned with an old and unmaintained building under locked condition for long. The land is protected with an old compound wall and the entry gate to the compound is locked. The building was used as a medical clinic/hospital and it is unused for long. A banner within the compound wall indicated that a new hospital is proposed in the compound.
7. The unauthenticated information gathered locally suggested that the EC holders abandoned the project for constructing building complex and they now proposes a hospital. There is no confirmation regarding this information.
8. It is also gathered that the concerned Local Government (Kollam Corporation) has issued stop memo to the project. It could not be confirmed in the absence of the document.
9. The environmental set up of the site is such that the proposed construction may not lead to adverse impact in the surrounding areas beyond resilience limit. If required, the privacy of the temple and Sacred Grove can be safeguarded by providing adequately strong boundary walls of appropriate height and regulating the distance of the installations by providing adequate buffer from the boundary wall. If necessary, there is possibility for re-arranging the spot of such installations about which the complainants have apprehensions.
10. The 'Sacred Grove' associated with the temple has only a few trees in the premises, and it can very well be separated from the proposed building.
11. Regarding the apprehension about the groundwater depletion, the Proponents may be directed to submit a consent from the State Ground Water Authority.
12. Since no construction activities have been undertaken, the EC conditions are not found violated.
13. Since the EC holders did not cooperate with the site visit, they may be asked to respond to the various complaints on the proposed construction of building complex.

The Committee also decided to recommend to (i) forward the Field Inspection Report to the Legislative Committee on environment, (ii) forward the Complaints of the Ammachi Veedu Moorthy Temple Trust to the EC holders for their response and (iii) direct EC holders to confirm their intention regarding the construction of the proposed building complex.

The Committee also decided to recommend to SEIAA to incorporate the following three specific conditions to the EC issued already, if the EC holders are intended to continue with the construction of the building complex.

- a) Provide adequately strong boundary walls of appropriate height to safeguard the privacy of the temple and Sacred Grove.
- b) Regulate the distance of the installations by providing adequate buffer from the boundary wall. If necessary, re-arrange the spot of such installations about which there are apprehensions.
- c) Submit the permission of the State Ground Water Department of Ground Water Authority for extraction of the proposed quantity of ground water.

PARIVESH FILES

PART-1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01

**Environmental Clearance for the Common Biomedical Waste Treatment Facility by IMAGE-IMA at Block No 26, Re. Sy No 340/1/19, 340/1/20, in KINFRA Park Enadimangalam Village, Adoor Taluk, Pathanamthitta.
(SIA/KL/INFRA2/434354/2023, 2308/EC1/2023/SEIAA)**

The Committee verified the additional documents submitted by the project proponent as sought in the 160th SEAC meeting and found them satisfactory. As per the application, the total plot area is 1.214 Ha. The total built-up area is 5204.84 m² with a total capacity of 20,000 kg/day. The total project cost is Rs. 23.40 crore. The Kallada river is at 3.9 km south to the project area. A few houses (2-5) are noticed at a distance of 300 m. The ToR for the project was approved vide letter No. SIA/KL/INFRA2/404217/2022 dated 24.01.2023. **Based on discussions, the committee decided to recommend EC for 10 years subject to the following Specific Conditions in addition to the General Conditions:**

1. The details of gap analysis study should be submitted as and when it is obtained from the KSPCB.
2. Rotary Type Incinerator should be installed as it has better thermal efficiency, air mixing in the burning chamber and operational efficiency with improved emission quality.
3. The onsite storage facility for storage of ETP sludge, ash, and mercury waste should have adequate storage capacity and the Proponent should ensure weekly removal and disposal of this waste in the treatment, storage and disposal facility (TSDF) for Hazardous Waste, currently located at Amabalamedu, Ernakulam.
4. Proponent should install Ultra Filtration (UF)/RO facility in addition to Pressure Sand Filter and Pressure (PSF) and Pressure Carbon Filter (PCF) for enabling and ensuring recycling/reusing of tertiary treated wastewater to achieve zero discharge.

5. Green belt should be developed all around the compound of the proposed plant using indigenous species of trees, herbs and climbers prior to the commissioning of the plant.
6. Compensatory afforestation plan should be implemented using indigenous species of plants, herbs and climbers prior to the commissioning of the plant and the progress of implementation of the plan and its maintenance should be submitted in the half-yearly compliance report along with geo-tagged photographs.
7. The recommendations of the engineering feasibility study and hydrological and hydrogeological study should be implemented strictly and its geo-tagged photographs should be submitted along with half-yearly compliance report (HYCR)
8. The surface water drainage system comprising of drains, channels, catch drains, culverts etc. should be implemented prior to the commissioning of the plant and it should be maintained properly and periodically.
9. Harness maximum solar energy, to meet partial power requirement and providing post type, solar yard lighting system, within and adjoining areas.
10. Rain water falling on active tipping areas should be collected separately and it should be collected through the leachate collection drain and leachate collection sumps and finally lead to the leachate treatment for treatment and disposal/ reuse.
11. Surface outflow and groundwater outflow from the project area should be monitored periodically by engaging NABL accredited Lab and the result should be submitted in the HYCR.
12. Monitoring well should be maintained as recommended in the hydrogeological study and the groundwater quality should be monitored periodically by engaging NABL accredited Lab and the result should be submitted in the HYCR.
13. Disinfection and cleaning arrangements for the vehicles should be maintained at the entry and exit gates
14. The Corporate Environment Responsibility Plan should be implemented during the first two years of the project and it should be operated and maintained during the rest of the period of EC
15. There should be regular vigil on the safeguard measures installed for possible accidental spillage of contaminants to the water body in the downstream area

Item No.02

Environmental Clearance for the mining of China clay by the Kerala Ceramics Ltd. for an area of 1.6900 Ha at Re Survey Block No. 10, Re- Survey Nos: 386/9-2, 386/10-2, 386/10, 386/21-2, 387/11, 387/13, 387/14, 387/16, 387/18, 387/18-2-2, 387/25, 387/26, 387/27, 387/28, 387/29, 387/35, 387/36, 387/37, 387/38, 387/39 and 392/1-2 in Perayam Village, Kollam Taluk, Kollam District, Kerala (SIA/KL/MIN/455763/2023, 2481/EC1/2023/SEIAA)

The Committee examined the proposal and discussed the field inspection report submitted on 26.2.2024. As per the application, the Production capacity is 30,000 MT for first eight year and 22,300 MT for ninth & tenth year. The life of mine is 10 years. The medium hazard zone

is at 33.8 km. The medium hazard zone is at 21.3km. The total project cost is 1.15 crore. The depth to water table is 6.5m below ground level at -9m AMSL. **Based on discussions the Committee decided to direct the project proponent to submit the following additional documents:**

1. Approval of the Central Ground water Authority as the mining will intersect the ground water table
2. Proof of demolition of the old abandoned building in the buffer zone between BP3 and BP4
3. Plan for maintaining a buffer of 50m between the project boundary and the residential building located at 25.8m.
4. Revised CER with details of beneficiaries as it is proposed for 26 residents
5. Revised EMP addressing the environmental setting of the site and surroundings, impacts due to various activities of the proposed mining, measures for mitigation of the adverse impacts and enhancement of beneficial impacts, incorporation of the recommendation of the biodiversity assessment report, environmental monitoring plan etc.
6. Plan for implementing the recommendation of the District Officer, Ground Water Department, Kollam.
7. Revise the Project cost incorporating the cost of EMP.
8. Clarification regarding the status of the closure of the adjacent mine.
9. Clarification whether the mine closure plan submitted for 4.6562 Ha is for the quarry adjacent to the proposed mine as the Sy No. is shown as 392/10 in Mulavana Village whereas the site proposed for mining is in Perayam Village.

PARIVESH 2.0

<u>Item No. 01</u>	Environmental clearance Construction of Twin Tube Unidirectional Tunnel Road (2+2 Lane) with Four Lane Approach (from existing roads) for providing direct connectivity between Anakkampoyil-Kalladi -Meppadi in Kozhikode and Wayanad Districts of Kerala. (SIA/KL/INFRA1/458848/2024)
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The Committee examined and discussed the EIA report as sought in the 158th SEAC meeting. As per the application, the proposed project is for the construction of 8.735 km long 4-lane Twin-Tunnel Road including approaches to connect Anakkampoyil and Meppadi (Tunnel length – 8.11 km) with Lay byes at every 750m & cross passage at every 300m. The altitude of the tunnel profile is 679m (South) to 852m (North) above MSL. **Based on discussions, the Committee decided to invite the PP for presentation. The presentation shall include details of the following shortcomings and additional documents required.**

- ToR compliance statement is not prepared scrupulously as the intention of the compliance report is not to suppress the issues but to bring out the circumstances and reasons for which compliance was not possible.

- In the EIA report it is mentioned that, “A sizable part of the excavated rock materials can be used for leveling and stabilizing of road bed, construction of bridge, etc.” This can reduce further Environmental damage due to opening up of fresh quarry/borrow sites, traffic issues etc. Though it is mentioned, no further action is proposed in the report. Therefore, the it needs clarification.
- “Due to the constraints of high overburden, the bore logs study for the entire 8.11 km tunnel stretch could not be carried out by the survey team but at 8 locations. Logging of rock samples from the drilled 8 bore holes indicate that Rock Quality Designation (RQD) values, a major consideration in tunnel design are broadly poor, warranting more detailed investigations of the tunnel overburden through Shallow Seismic Survey for fracture zones identification. Thick weathering profile development is characteristic of the terrain that may hold perched water table on the ground and some water pools feeding the wildlife. Extent of that, and the seepage possibility during tunnelling needs elucidation. Electrical Resistivity Tomography survey with appropriate spacing/configuration of electrodes may be thought of”. Further investigation/action for the above is not seen discussed anywhere in the report which may be clarified.
- Written complaints were received from *Kerala Nadi Samrakshana Samithi*, Ramapriya, High Road, Aluva and Green Movement, Samskrithi, Kuthiravattom, Kozhikkode, during Public Hearing at Kozhikkode Collectorate, for which reply is not seen furnished
- The Environment Management Plan does not address some of the site-specific issues identified to the area

1	Vibration from blasting during the tunneling works may trigger land slips/land slides in such a fragile area. As per the report, this has to be monitored by the Contractor/ Concessionaire	Effective, regular and continuous monitoring mechanism is needed but not properly addressed in EMP
2	Any barrier at the proposed tunnel mouth in Meppadi area would force the elephants to utilise the other route more. This route is through the Kalladi Colony and nearby settlements which are more populated. Such a situation could lead to increased human-elephant interaction which could possibly lead to conflict situations. As such, there is no possibility to avoid the movement of elephants to Kuppachi forest through the populated colonies once the tunnel mouth area is blocked	Wayanad is already experiencing high Human Animal Conflict and for the District Administration it is a challenging task. Due to the Project Activity, HWI cannot be aggravated. A solution has to be proposed for reducing the impact
3	A Team with proven credibility may be engaged/funded for monitoring the elephant movement/road kills and other related issues. Actions have to be taken for an under-passage (eg. Box	Though it is mentioned in the report, no action is proposed in the EMP

	culvert) along the nearby streams to ensure free movement/dispersal of amphibians during breeding season. An expert in the field of herpetofauna may be consulted for the implementation of the programme. Considering the probability of increased human-elephant interaction, especially in the movement paths in Meppadi Range, a corpus fund may be created for possible mitigation measures including ex-gratia payments. The fund may be parked in the accounts of VSS/EDC of the Meppadi Range, who will address the issues in both the Forest Ranges	
4	<p>To implement the management proposals for the protection of wildlife during construction, patrolling by Forest Department personnel must be intensified in the area. In view of this, it is proposed to establish two check posts, one near the point at Anakkampoil, and the other at Kallady adjacent to the tunnel mouth to monitor,</p> <ol style="list-style-type: none"> The construction activities to be restricted between 10:00 pm and 6:00 am Casual entry/ movement of project workers in the peripheral forest areas Teasing of animals, poaching and collection of firewood To avoid Vehicular movement during night hours in the peripheral areas Sprinkling of water intermittently to avoid the dust pollution during earthworks Use of plastic carry bags and piling up of garbage in the forest land and its proximity <p>Additionally, care should be taken to ensure uninterrupted flow of the streams near the tunnel mouths and maintain undisturbed breeding sites of the amphibians</p>	No provision is included in the EMP for the maintenance of checkpoints (atleast with daily wage employees)
5	A team for monitoring the activities during the construction phase may be formed with representatives of the Tunnel Road Management, Forest Department and a Wildlife/ Biodiversity Researcher. The Team should periodically visit the project site and oversee the activities in relation to environmental matters and advise the management. The tunnel mouth areas should be protected so that no animals will enter the tunnel and get trapped creating	Not included in EMP

	also troubles for the management	
6	Extensive vehicular traffic and influx of people in the area during operation phase might cause invasion of alien species (weeds) to cause habitat degradation. Accidental introduction and successive proliferation of alien species would alter the natural habitats to seriously affect food chains and ecosystem functions which can aggravate the HWC. Though weed infestation is evident in the fringe areas of the forests, it needs to be monitored and controlled through appropriate methods	No action proposed in EMP
7	The endemic and endangered Banasura Chilappan (<i>Montecincla jerdoni</i>) is a severely range-restricted laughing thrush species, whose distribution is limited to the high-altitude shola forests (above 1400 msl). In the present study, they were observed in one of the transects in the highest point of Wayanad part in the proposed Meppadi-Anakkampoyil Tunnel Road stretch, which consequently suggest potential danger to the already fragmented and small population of these laughing thrush species of the shola sky islands	No Recommendations is found provided

Item No. 02

Terms of Reference for Manual Dredging at Azhikkal Port Limits for Maintaining Navigational Channel Depth and Filtration of Dredged Sand Kadavus in Azhikode North village, Azhikode, Kannur. (SIA/KL/INFRA1/460508/2024)

The Committee examined the proposal and noted that the project activities are within an aerial distance of 5 km from the existing Port facilities. Total length of proposed dredging is 4.60km (aerial distance), in Valapatanam river. The entire activities are within an aerial distance of 5 km from the existing Port facilities. Total length of proposed dredging is ~4.60km (aerial distance). The Project cost is Rs.50.0 Crores. **Based on discussions, the Committee decided to recommend Standard ToR under Category 7 (e) Ports, harbors, break waters, dredging under Physical Infrastructure including Environmental Services Category B with the following additional studies.**

1. Changes in current patterns, littoral drifts and erosion and accretion in shore zones
2. Impact of dredging on aquatic flora and fauna
3. Impact of dredging on aquifer and salt water intrusion
4. Impact of dredging on harbour waters and disposal sites
5. Possible alteration of bottom configuration and biota
6. Impact of dispersal of toxic or harmful chemicals around the disposal site
7. Variation in water and sediment quality
8. Water and sediment quality at the bar mouth immediate to dredging area.

Item No. 03

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Joshy P.J, M/s Penta Granites, for an area of 4.1371 Ha at Re-Survey Nos. 278/21,278/31 PT,278/33 PT,278/35 & 278/PT in Kizhakkancheri -2 Village, Alathur Taluk, Palakkad District. (SIA/KL/MIN/458118/2024)

The Committee examined the re-appraisal application submitted by Sri. Joshy P.J M/s Penta Granites. The EC was issued from DEIAA, Palakkad for an area of 4.1371 Ha. The validity of the EC was expired on 24.10.2022. As per the application, the total mineable resource is 20,64,248 MT with an average annual production of 1,00,000 MT. The project cost is 4.79 Crore. The Peechi-Vazhani WLS is at a distance of 4.26 Km from the project area. The Chimmony WLS at a distance of 4.68 km from project boundary. The Depth to water table is varying between 3m to 6m bgl. The distance to nearest build structure is 33m. The medium hazard zone is at distance of 810m. The medium hazard zone is at a distance of 280m. The field inspection has been conducted in the project area once. **Based on discussions, the Committee decided to invite the PP for presentation. The Committee also noticed the following shortcomings:**

1. Baseline monitoring data to be revalidated as per OM dated 8.6.2022
2. The report of the DC, Palakkad on the complaint is not yet received.
3. Biodiversity report of the proposed area as per O M dated 28.04.2023.
4. The proposal for re-grassing the mining area as per O M dated 28.04.2023.
5. Non assignment certificate of the proposed area.
6. Proof of application submitted to SCNBWL for wildlife Clearance.
7. As per the WPC No.30952 of 2022 the project proponent is continuing the mining with transit permit, hence a certificate from the mining and geology department regarding the quantity mined out and the balance quantity available.

The presentation shall include details of the above shortcomings.

Item No. 04

Environmental Clearance for Laterite Building Stone Quarry of Sri. Sumesh T.S for an area of 0.0913Ha at Survey No.128/2 in Chalissery Village, Pattambi -Taluk, Palakkad. (SIA/KL/MIN/457511/2024)

As invited the project proponent Sri. Sumesh T.S and RQP Dr. Nazar Ahamed. K.V was present. The RQP made the presentation. As per the Application, the total mineable reserve is 6847.5 MT with a recoverable quantity of 4793.25 MT. The life of mine is 1year. The distance to the nearest built structure is at 54.20m. As per the presentation, the depth to water table is 8m bgl and the average depth pf mining is 3m. The elevation of the site vary from 39m to 42m above MSL. The project cost is 10 Lakhs. **Based on discussion, the Committee decided to recommend EC for mine life of 1 year subject to the following specific conditions in addition to the general conditions:**

1. The excavation activity should not involve blasting.
2. The excavation activity should be restricted to 2m above the groundwater table at the site.

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

Item No. 05

Environmental Clearance for the Laterite Building Stone Quarry project of Sri. Moidutty Varikkottil for an area of 0.1942 Ha at Re-Survey No: 68/1-60 in Kurumbathoor Village, Tirur Taluk, Malappuram District. (SIA/KL/MIN/430726/2023)

As invited the PP Sri. Moidutty Varikkottil and the RQP Sri. V K Roy were present and the RQP made the presentation. The application is for an area of 0.1942 Ha. The total mineable reserve is 26,702 MT with a recoverable quantity of 18,691 MT. The life of mine is 1 year. The depth to water table is 7m bgl at 94m AMSL. The distance to the nearest built structure is 34m. The project cost is Rs. 5.436 Lakhs. The medium hazard zone is at distance of 12.80km. **Based on discussions, the Committee decided to direct the Proponent to submit the following additional documents.**

1. Revised CER as per the guidelines published in the website of SEIAA.
2. Plan for maintaining a buffer of 50m between the project boundary and the residential building.
3. Geo-tagged photographs and video (Panoramic view) of the site and its surrounding from all the boundary pillars and its surroundings.
4. Depth to water table measured in the nearest open well to the site with geotagged photographs of the well and distance of the well from the project boundary.

Item No. 06

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Nazar Hussain. K. for an area of 0.9524 Ha at Re.Survey Nos. 8/1-1, 7/1-1 of Nediyruppu Village, Kondotty Taluk, Malappuram
(SIA KL/MIN/461143/2024)**

The Committee examined the application submitted by Sri. Nazar Hussain. K. for an area of 0.9524 Ha. As per the application, the total Mineable Reserve is 122588.3 MT. The highest elevation of the permit area is 200 m above MSL and the lowest elevation is 175 m above MSL. The Moderate Hazard Zone is at a distance of 3.88. The project cost is 1.50 Crore. The life of mine is 2Years. The depth to water table is 7m bgl. **Based on discussions, the Committee noted the following shortcomings:**

1. Recent legible survey map showing all the built- structures with in 200m radius authenticated by the Village Officer.
2. Alternate site for compensatory afforestation along with its geotagged photographs, species proposed to be planted and ownership details of proposed land
3. Revised CER proposal as per the guideline published on the website of SEIAA.
4. Depth to water table measured in the nearest open well to the site with geotagged photographs of the well and distance to it from the project boundary.
5. Details pertaining to the source of water including sustainable yield characteristics.
6. Top soil and OB dump management plan including the location and protection measure

The Committee decided to invite the PP for presentation. The presentation shall address the above shortcomings.

Item No. 07

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

The Committee examined the application submitted by Sri. Sivankutty. K, for an area of 0.9988 Ha. As per the application, the total mineable reserve is 1,57,432.5 MT with an average annual production of 85082.5 MT in the first year and 72350 MT in the second year. The depth of mining proposed is 25m. The highest elevation of the permit area is 114m above MSL and the lowest elevation is 99m above MSL. The depth to water table is 10-12 bgl at 78-76m above MSL. The Medium hazard zone is at a distance of 7.2 Km. The KIP Canal is at a distance of 315 m. The distance to the nearest built structure is at 105.3m. The project cost is 1.18 crore. **Based on discussions, the Committee noted the following shortcomings:**

1. Geo-tagged photographs and video (Panoramic view) of the site and its surrounding from all the boundary pillars and its surroundings.
2. Revised CER proposal as per the guideline published on the website of SEIAA.

3. Biodiversity Assessment Report.
4. Depth to water table in the nearest dug well to the site along with geotagged photograph and distance to the well

The Committee decided to invite the PP for presentation. The presentation shall address the above shortcomings.

Item No. 08 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Shuhail M V P for an area of 0.1942 Ha at Block No.40, Re-Survey No. 28/102 in Peringome Village, Payyanur Taluk, Kannur District (SIA/KL/MIN/462427/2024)

As invited the project proponent Sri. Shuhail M V P and RQP VK Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 26,703 MT with recoverable quantity of 18,692 MT. The average thickness of mining is 5.5 m. The distance to the nearest built structure is 231.9m and a shed is located at a distance 64.2m. The depth to water table is 7m below ground level at 159m AMSL. The life of mine is 1 year. The Medium hazard zone is at a distance of 583m. The high hazard zone is at a distance of 6.8km. Project cost is 5.825 Lakhs. **Based on the discussion, the Committee decided to recommend EC for the mine life of 1 year subject to the following specific conditions in addition to the general conditions:**

1. Depth of mining should be limited to 5m bgl considering the depth to the 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.
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 pm).

Item No. 09 **Re-appraisal of Environmental Clearance issued from DEIAA, Thiruvananthapuram for the Granite Dimension Stone Quarry of T. Soundararajan for an extent of 1.0246 Ha at survey no 251/4 in Vellarada Village, Neyyattinkara Taluk, Thiruvananthapuram (SIA/KL/MIN/462784/2024)**

The Committee examined the re-appraisal of the EC issued from DEIAA, Thiruvananthapuram submitted by T. Soundararajan for an area of 1.0246 Ha. The DEIAA issued EC (DIA/KL/MIN/13378/2018) dated 19.07.2018 for a mine life of 5 Years. As per the application, the total mineable reserve is 132737 MT. The life of mine life is 10 years. The Neyyar Wildlife Sanctuary is at a distance of 6.18km. The depth to water table is 8-10m bgl. The distance to nearest built-structure is 79.6m. The project cost is 1.50 crore. **Based on discussion, the Committee decided to direct the Proponent to submit the following additional documents.**

1. CCR from IRO, MoEFCC, Bangalore
2. Compensatory afforestation plan along with geo-tagged photographs of the proposed area, ownership details of land and species proposed.
3. Depth to water table in the nearest dug well along with distances to the monitoring well, geo-tagged photograph of the well and distance to it from the project boundary.
4. Proof for application submitted to the NBWL for wildlife clearance.
5. Scheme of mining/ certificate from the mining and geology department regarding the quantity mined out and the balance quantity.
6. All other documents to be submitted as per the OM dated 28.04.2023

Item No. 10 **Re-appraisal of Environmental Clearance issued from DEIAA, Malappuram for the Granite Building Stone Quarry of Hasim Malik K M/s. J S S Granites, for an area of 4.9960 Ha at Sy. No: 231 in Elankur Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/457322/2024)**

The Committee examined the revalidation application submitted by Hasim Malik K M/s. J S S Granites, for DEIAA issued EC No. DEIAA/MAL/EC/048/2017 dated 09/02/2018 for an area of 4.9960 Ha. The Proponent has submitted the Certified Compliance Report from the IRO, MoEF&CC, Bangalore which is reported as satisfactory. As per the application, the total mineable reserve is 31,97,160MT and the life of mine is 12years. As per the letter dated 17.1.2024 from the Mining & Geology Dept., the available resource is 23,39,186 MT and the life of mine is 18.92 years. The project cost is 646.8 lakhs. The depth to water table is reported as 15m-20m bgl, but in the EMP document, it is given as 2m below ground level.

The distance to the nearest built structure is 102m. The highest elevation of the permit area is 145 m above MSL and the lowest elevation is 75 m above MSL. The Committee noted the following short comings in the application.

- All the documents listed as per OM dated 28.04.2023 applicable for reappraisal of proposal to which EC was issued by the DEIAA are not submitted
- Cluster Certificate is not recent
- Biodiversity Assessment Report is not found submitted
- CER proposal is not based on stakeholder consultation as envisaged in the guidelines uploaded in the SEIAA website
- Non-assignment Certificate is not submitted
- Original approved mine plan
- Scheme of Mining

The Committee also noted that application is submitted on 16/02/2024 and the date of monitoring of baseline data is 28-09-2016. As per OM dated 8.6.2022 of the MoEF, the baseline data should not be more than 3 years old at the time of submission of application for EC. Further, the OM states that “at the time of application for EC, in case the baseline data is older than 3 years, but less than 4 years (except in the case of river valley and HE projects), the same shall be considered subject to the condition that it is revalidated with one season fresh non-monsoon data collected after 3 years of the initial baseline data”. **There is gap of more than four years between the date of monitoring of baseline data and the date of application. Therefore, the Committee decided to recommend to SEIAA to reject the application.**

Item No. 11

Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Sivadasan C P for an area of 0.2906 Ha at Block No.40, Re-Survey No. 161/102 in Peringome Village, Payyanur Taluk, Kannur District. (SIA/KL/MIN/462768/2024)

As invited Sri. Shuhail M V P is present on behalf of the project proponent Sri. Sivadasan C P. The RQP V. K. Roy made the presentation. As per the application, the total mineable reserve is 34,898 MT. The life of mine is 1year. The depth to water table is 7m below ground level and depth of mining proposed is 6m bgl. The distance to nearest build structure is 138.8 m. The Medium hazard zone is at a distance of 2.6km. The high hazard zone is at a distance of 8.1km. The project cost is Rs. 8.31 Lakhs. **Based on the discussion, the Committee decided to recommend EC for the mine life of 1 year subject to the following specific conditions in addition to the general conditions:**

1. The depth of mining should be limited to 5m below ground level 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.
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 pm).

Item No. 12

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Gurudeeksha L, M/s. Chaprayil Granites Pvt. Ltd., for an area of 4.9500 Ha at Block No. 39, Re-Survey Nos. 173/4-7, 173/4-16, 176/1, 176/1-3, 177/1, 177/1-2, 177/1-3, 177/1-4, 177/1-5, 177/1-6, 177/1-7, 177/3, 177/5, 177/6, 177/6-2, 178/3, 178/3-2, 178/4, 178/5 in Chadayamangalam Village, Kottarakkara Taluk, Kollam District. (SIA/KL/MIN/460718/2024)

The Committee examined the application submitted by Sri. Gurudeeksha L, M/s. Chaprayil Granites Pvt. Ltd. for an area of 4.9500 Ha. As per the 130th & 135th SEIAA meeting, the Authority agreed to the recommendation of the SEAC and approved standard ToR. The Authority noticed that as per the Cluster Certificate dated 22/05/2022, there are two other quarries within the radius of 500m and altogether having an area more than 5Ha. As per the application, the total mineable reserve is 34,75,360 MT with an annual production of 4,83,000 MT. The life of mine is 10 years. The highest elevation of the permit area is 125m above MSL and the lowest elevation is 65 m above MSL. The distance to nearest build structure is 202 m. The distance to Nearest forest juenda is 70 m from the project boundary. The life of mine is 10years. The Elambaracode Reserve Forest is located at a distance of 489.91m. The high hazard zone is at a distance of 26.47km. The medium Hazard zone is at a distance of 13.77km. The Committee noted the following shortcomings:

1. Revised CER as per the guidelines uploaded in the SEIAA website.
2. Depth to water table measured in the nearest open well to the site with along with geotagged photographs and distance to the well from the site.
3. Recently certified legible survey sketch with all built structures within 200m radius.
4. Copy of the actual baseline monitoring data
5. Impact on the Elambaracode Forest of Palode Range in Thiruvananthapuram Division.
6. Authenticated non assignment certificate.
7. Revised compensatory afforestation plan.

Based on discussion, the Committee decided to invite the PP for presentation. The presentation shall include details of the above shortcomings. The Committee also decided to entrust Dr. C. C. Harilal for evaluation of the revised EIA report.

Item No. 13 Environmental Clearance for the Laterite Building Stone Quarry of Sri. Ayyappan. A for an area of 0.0611 ha at Re-Survey No.64/11-3, 64/12-3 in Cherukavu Village, Kondotty Taluk, Malappuram.
(SIA/KL/MIN/436952/2023)

As invited the project proponent Sri. Ayyappan. A and RQP Dr. Nazar Ahamed. K.V was present. The RQP made the presentation. As per the application the, the total minable reserve is 9165 MT. The project cost is 10 lakhs. The life of mine is 1 year. The highest elevation of the permit area is 70m above MSL and the lowest elevation is 69m above MSL. As per the presentation, the distance to nearest build structure is 53.5 m. The depth to water table is 14 m and depth of mining is 6m below ground level. **Based on discussion, the Committee decided to recommend EC for the mine life of 1 year subject to the following specific conditions in addition to the general conditions:**

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

11. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
12. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
13. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
14. Measures incorporated in the CER should be implemented within 6 months from the date of EC.
15. Transportation of mined material should not be done during the peak hours in the forenoon (8.00am to 10.00am) and afternoon (3.30pm to 5 pm).

Item No. 14 **Environmental Clearance for Laterite Building Stone Quarry of Sri. Usman Kutty for an area of 0.7164 Ha at Block no. 38, Re-Survey Nos. 78/336, 78/338 in Perinthatta Village, Payyannur Taluk, Kannur. (SIA/KL/MIN/463582/2024)**

As invited the project proponent Sri. Usman Kutty and RQP V. K. Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 68,955 MT. The life of mine is 3 years. The highest elevation of the permit area is 138m above MSL and the lowest elevation is 136 m above MSL. The depth to water table is 6m below ground level and the depth of mining is 6m bgl. The distance to nearest built-structure is 56.5 m. The Bedoor reserve forest is at a distance of 8.99 km from the proposed area. The medium hazard zone is at a distance of 2.1 km and the high hazard zone is at a distance of 8.4 km. The project cost is Rs. 15.743 Lakhs. **Based on discussions, the committee decided to direct the project proponent to submit the following additional documents.**

1. Detailed EMP prepared by a NABET Accredited consultant.
2. Detailed biodiversity report.
3. Geo-tagged photographs and video (Panoramic view) of the site and its surrounding from all the boundary pillars and its surroundings.
4. Investigation report of a geologist regarding the threat of soil piping
5. Depth to water table in the nearest dug well along with the geo-tagged photograph of the well and distance to it from the project boundary
6. Clarification regarding the buildings/sheds at the eastern part of the boundary line as seen in the google imagery

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

As invited the project proponent Sri. Dinesh C. C. and RQP Balaraman were present. The RQP made the presentation. As per the application, the total mineable reserve is 14,040MT. The project cost is 15 lakhs. The highest elevation of the permit area is 40m above MSL and the lowest elevation is 37m above MSL. The medium and high hazard zones at 25km and

29.8 km respectively. The Committee observed that the total depth of mining is 6.5m bgl and the depth to water table is 5m bgl. The distance from nearest house is 46.4 there are two houses under construction at a distance of 21 m & 26.3 m. The area of the plot is 0.1619 ha and it is difficult to achieve the buffer distance of 50 meter between the mine and built structures. Therefore, the committee decided to recommend rejection of the proposal.

Item No. 16 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. N. Suresh for an area of 0.5889 Ha at Re-Sy Block no. 21, Re-Sy Nos. 112/10,112/11,112/20 in Erimayur-1 Village, Alathur Taluk, Palakkad District (SIA/KL/MIN/463613/2024)**

The committee examined the application submitted by Sri. N. Suresh for an area of 0.5889 Ha. As per the application, the total mineable reserve is 1,05,946 MT and with average annual production 52,973 MT. The Project cost is Rs 1crore. Life of mine is 2 years. The highest elevation of the permit area is 124m above MSL and the lowest is 117m above MSL. The depth to water table is 8 m bgl at 68 MSL. A crusher is located at a distance of 35.7m. The distance to nearest built-structure is 105m. The Choolannur Peafowl Sanctuary is at a distance of 8.23km and The Peechi-Vazhani Wild life Sanctuary is at a distance 19.23km. The medium and high hazard zones are at distances of 6.90 km 15.4 km respectively. The Committee noted the following shortcomings.

1. Detailed drainage plan is not provided.
2. Plan for maintaining a buffer of 50m between the project boundary and the residential building and crusher.
3. Depth to water table measured in the nearest open well to the site with geotagged photographs.
4. Specific CER as per the guideline published on the SEIAA website.
5. Compensatory afforestation plan along with geo-tagged photographs of the proposed area, ownership details of land and species proposed.
6. Proof of application submitted for wild life clearance from the NBWL

The Committee decided to invite the PP for presentation. The presentation shall include details of the above shortcomings.

Item No.17 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Dhanesh M V for an area of 0.1942 Ha at Block No.138, Re-Survey No. 333/102 in Chuzhali Village, Thaliparamba Taluk, Kannur District (SIA/KL/MIN/463726/2024)**

As invited the Project proponent Sri. Dhanesh M V and the RQP V. K. Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 26702 MT. The life of mine is 2 years. The depth to water table is 8m below ground level at 138 m AMSL. The depth of mine proposed is 6m bgl. The distance to the nearest build structure is 108.7m. The medium and high hazard zones are at a distance of 338.4m and 8.83km respectively. The Project cost is Rs. 5.865 Lakhs. **Based on the discussion, the Committee**

decided to recommend EC for the mine life of 2 years subject to the following specific conditions in addition to the general conditions:

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

Item No. 18

Environmental Clearance for the Granite building stone quarry of Sri. Smile M Anto for an area of 1.0320 Ha at Re. survey no. 424/3,425/1 in Maruthonkara village, Vatakara Taluk, Kozhikode (SIA/KL/MIN/463823/2024)

The committee examined the application submitted by Sri. Smile M Anto for an area of 1.0320 Ha. The application is for reappraisal of the project as per OM dated 28.4.2023 for which EC was issued by DEIAA, Kozhikkode vide 01/DEIAA/KL/MIN/3148/2016 dated 17.6.2017. There is no cluster condition as per the certificate from M&G Dept dated 25.4.2022. The site is located in moderate hazard zone. As per the approved mine plan of 2016, the mineable reserve was 4,85,155 MT and as per the scheme of mining approved on 31.3.2022, the balance mineable is 4,36,927MT with an annual production of 40,000 MT. The life of mine proposed is 9 years in the approved scheme of mining. The site elevation of the permit area varies from 85m to 105m above MSL and the maximum depth of mining

proposed is 60m above MSL. The depth to water table is 15m-20m bgl. The distance to the nearest built-structures is at 105m, 116m 160m etc. The project cost is 50 lakh, EMP cost is Rs.6.25 lakh and CER plan is for Rs. 1.65 lakh. The proponent has submitted CCR dated 30.5.2023. The Committee noticed the following shortcomings.

1. CER is not as per the guideline published in the SEIAA website.
2. Approved mining plan based on which DEIAA issued EC is not submitted.
3. Approval of the District level Crisis Management Committee for mining as the site is located in the moderate hazard zone
4. Depth to water table in the nearest dug well along with geo-tagged photograph of the well and its distance from the project boundary
5. Compensatory afforestation plan along with geo-tagged photograph of the site proposed, ownership details of the site and species proposed to be planted
6. All the details as mentioned in the OM dated 28.4.2023

The Committee decided to invite the PP for presentation. The presentation shall include details of the above shortcomings.

**Item No. 19 Environmental Clearance for Granite Building Stone Quarry project of Sri Aniyam Mathew M/s Al Juf Blue Metal for an area of 2.1676 Ha at Re survey nos. 313/2, 313/1B, 314/1 in Anakkara Village, Pattambi Taluk, Palakkad District, Kerala.
(SIA/KL/MIN/420614/2024)**

The Committee examined the application submitted by Sri Aniyam Mathew M/s Al Juf Blue Metal for reappraisal as per OM dated 28.4.2023. The proposed project area is 2.1676 Ha. The EC was issued by DEIAA, Palakkad vide DIA/KL/PL/15/2018 dated 13/06/2018 for a mine life of 5years. As per the application, total mineable reserve is 4,43,995 MT with an average annual production 88,798 MT. The project cost is 1.5 Crore. The highest elevation of the permit area is 85m AMSL and the lowest elevation is 50m AMSL. The depth to water table is varying between 10m and 12m BGL. The nearest build structure is a stock room at distance of 69.7m. The houses are located beyond 100m from the project boundary. The medium hazard zone is at a distance of 17.98 km. The Committee noted that the following documents/details are not submitted.

1. CCR from IRO, MoEFCC, Bangalore.
2. Approved mine plan based on which the EC was issued by DEIAA in 2018
3. Approved Scheme of mining
4. Recent cluster certificate
5. Depth to water table measured in the nearest open well to the site with geotagged photographs and distance to it from the project boundary.
6. Compensatory afforestation plan along with geo-tagged photograph of the site, ownership details of the proposed site and species proposed to be planted
7. All details as per OM dated 28.4.2023, which are not submitted by the PP

The Committee decided to invite the PP for presentation. The presentation shall include details of the above said documents/details

Item No. 20

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. L Syju, M/s K Lekshmanan Company Infrastructures & Industries Pvt. Ltd., for an area of 1.4754 Ha at Block No. 40, Re-Survey Nos. 28/4pt (Govt Land), 28/8 and 28/3-1 (Pvt Land) in Nilamel Village, Kottarakkara Taluk, Kollam District (SIA/KL/MIN/463911/2024)

The Committee examined the application submitted by Sri. L Syju, M/s K Lekshmanan Company Infrastructures & Industries Pvt. Ltd., for an area of 1.4754 Ha. As per the application, the total mineable resource is 7,52,100 MT. The life of mine is 10 years. The project cost is Rs. 255 lakh. The highest elevation of the proposed area is 134m MSL and the lowest elevation is 114 m MSL. The medium hazard zone is at a distance of 12.95km. The high hazard zone is at distance of 28.2km. The Committee noted the requirement of the following documents/details.

1. Clarification regarding the Reserve Forest at the distance of 1.18 km.
2. Non assignment certificate indicating that the land is not assigned for specific purpose.
3. Valid NOC for the government land involved in the proposal
4. Proposal for regressing the mining area
5. Depth to water table measured in the nearest open well to the site with geotagged photographs and distance to it from the project boundary.
6. Compensatory afforestation plan along with geo-tagged photograph of the site, ownership details of the proposed site and species proposed to be planted

Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall include details listed above.

The Committee decided to convene its 163rd meeting from 16th to 18th of April 2024.

The meeting ended by 5.00 pm with a vote of thanks to the Chair.

Sd/-

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

Sd/-

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

LIST OF PARTICIPANTS:

Sl.No.	Name	02.04.2024
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.	Smt. Beena Govindan	X
7.	Dr. C.C.Harilal	✓
8.	Dr. K. Vasudevan Pillai	✓
9.	Dr. Mahesh Mohan	✓
10.	Dr. K.N. Krishna kumar	✓
11.	Sri. V.Gopinathan	✓
12.	Dr. A.V. Raghu	✓
13.	Dr. N. Ajithkumar	✓
14.	Suneel Pamidi (Member Secretary)	✓