

**MINUTES OF THE 160<sup>TH</sup> MEETING OF THE STATE LEVEL EXPERT  
APPRAISAL COMMITTEE (SEAC), KERALA HELD ON, 02<sup>TH</sup> MARCH 2024  
THROUGH VIDEO CONFERENCE**

The meeting started at 10.00 AM on 2<sup>nd</sup> March 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.160.01**      **Noting of the minutes of the 158<sup>th</sup> SEAC meeting held on 05th, 06th & 07th February 2024.**

Noted & Approved with a correction in the 158<sup>th</sup> minutes of proposal no. SIA/KL/MIN/426206/2023, 2261/EC1/2023/SEIAA. In the item, the earlier minutes are corrected as '*the Committee noted the field visit report submitted by the sub-committee and decided to defer the matter for a detailed appraisal*'.

**Item No.160.02**      **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Muhammed Ibrahim Palakkan, M/s Rox Silicon Private Limited for an area of 4.5090 Ha at Sy. No .1065 & 1065 pt in Melmuri Village, Malappuram Municipality, Ernad Taluk, Malappuram. (SIA/KL/MIN/46597/2019, 1575/EC3/2019/SEIAA)**

The Committee examined the request letter submitted by the project proponent dated 16/01/2024, for exempting the clearance from the District Level Crisis Management Committee sought in the 155<sup>th</sup> SEAC meeting. The Committee noted that the proposed area is in a medium hazard zone and the approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05-2014 is sought as per the direction of the State Disaster Management Authority. Therefore, SEAC cannot recommend exception from the clearance required from the DLCMC. The Committee verified the additional documents sought as per the revised EIA report and found many of them are not properly addressed. **Therefore, the proponent is directed to submit a revised EIA report with the following additional documents.**

1. Meticulously revised EIA report as per the approved ToR incorporating all missing/relevant data, tables, and annexures, eliminating faulty and ambiguous data and statements, and other information. Though the details are submitted separately, it is not incorporated in the revised EIA report.
2. The specific studies proposed in the ToR are (i) Carrying capacity of the cluster, (ii) Transportation and related aspects and (iii) Geo-hydrological study along with replenishment and recharge issues. The carrying capacity of the cluster is not dealt with in the report. A study on transportation and related aspects has been done but not incorporated into the revised EIA report. In the Geo-hydrological study, the replenishment and recharge issues are not addressed properly.
3. Revised site-specific and impact-based EMP along with appropriate budgetary provision is sought as the EMP submitted is not site-specific and adequate budget

provisions are not provided for many of the environment management and mitigation including the protection wall along BP2 to BP5, etc.

4. The water requirement for the functioning of the mining project (4.5070ha) is shown as 3.50 KLD. As per ADS, it was directed to “Revise estimation of water requirement, water balance statement, proposed sources and their yield characteristics and sustainability”. This is not addressed properly.
5. In Table-6 of the revised EIA report, the Topsoil dump is shown at an extent of 0.10ha area. But in the ADS submitted, the extent of the Topsoil dump is shown as 0.20ha area. This has to be clarified and should be properly incorporated in the EIA report.
6. The Proponent has informed that an area of 2.8016ha, owned by him, is earmarked for Compensatory Afforestation. This information is not seen included in the revised EIA report along with geotagged photograph of the area and species proposed to be planted.
7. The Proponent has submitted an Affidavit that he is agreeable to provide additional buffer along the boundary line connecting BP8-BP10-BP14 as the area between BP8 to BP14 is in a medium hazard zone where the slope is comparatively high and the land is fragile. This and the resultant changes in mining are not incorporated in the revised EIA report.
8. Though the Plans for (i) Rainwater harvesting, (ii) Energy Conservation measures and (iii) Sanitation & Waste Management are submitted, the proposed activities, capacity, and geo-tagged locations of the same are not included in the EIA report.

## **PARIVESH FILES**

### **PART – 1**

**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)**

**Decision:** The Committee examined the additional documents submitted by the PP as sought in the 153<sup>rd</sup> meeting and found that certain critical inputs required are missing and maps provided are not legible. The Committee observed the following and decided to obtain clarification/ documents from the PP.:

1. The Kerala State Pollution Control Board vide letter No PCB/HO/EE3 /IMA GE,/ 2023 dated 16.12.2023 clarified that they have entrusted CSIR- NIIST (Council of Scientific and Industrial Research- National Institute for Interdisciplinary Science and Technology) to conduct gap analysis study and inventory on biomedical waste management in Kerala and the project is in initial stage. The documentary evidence given by the project proponent states that the total waste generation is 62,122 kg/day and treatment capacity developed in the State is for 31,746 kg /day. Therefore, there is

adequate gap for establishing the proposed plant of about 20 TPD capacity. However, a condition may be stipulated to submit the gap analysis study for the state as and when it is completed by the KSPCB.

2. Two Incinerators proposed are of 250 kg/hr capacity, both Stationary Type, having specification as per the BMW Rules, 2016. But the possibility of changing at least one Stationary Incinerator with a Rotary Type Incinerator, having better thermal efficiency, air mixing in the burning Chamber and operational efficiency with improved emission quality, has not been examined. All new facilities prefer the Rotary Type Incinerators than stationery type, considering their operational efficiency.
3. The Onsite Storage Facility proposed for storage of ETP Sludge, Ash, and Mercury waste is not adequate, and proposing a weekly removal of the same. But the KEIL, the Common Operator has insisted on a MoU for providing weekly removal service to the proposed facility. Therefore, a copy of the MoU entered with KEIL or undertaking from the Proponent in this regard for ensuring weekly removal of Hazardous Waste as proposed in the application as the TSDF for Hazardous Waste is located about 120 km away from the unit at Amabalamedu, Ernakulam.
4. As per the clarification provided by the SPCB on the point of whether a Public Hearing is required as per OM No.J-11011/321/2016-II(I) dated 27.4.2018, it is clarified by the Board that there is no exemption for Common Biomedical Waste Treatment Facility from conducting Public Hearing.
5. The Tertiary Treatment proposed for ETP and STP is given as Pressure Sand Filter and Pressure (PSF) and Pressure Carbon Filter (PCF). There is no proposal for installing more efficient units such as Ultra Filtration (UF)/ RO for enabling and ensuring recycling/reusing of tertiary treated wastewater to achieve Zero Discharge as claimed in the application.
6. The cost proposed for certain items is the EMP seems to be inadequate, particularly STP, ETP etc. and therefore, it should be reviewed and revised, if found necessary.
7. The Project cost proposed should be revised incorporating EMP cost

**Item No.02**      **Environmental Clearance for the Expansion of Commercial Building of Sri. Parappurath Hajji at Survey no:s 151/6 A-3, 8-26, 6A-2, 6B-3,7-8,6B-16,5,6B-15-3,7-5,6B-13,4,5-3,7- 2,6B-7, 6B-15-2, 7-6, 7-7, 6B-10, 6B-14, 6B-15, 5-2, 5-4, 6A-6, 6A-5, 6B-2, 6A-4, 6B-12, 6B-17 in Ward No: 31, Trikkandiyur Village, Tirur Taluk, Malappuram. (SIA/KL/INFRA2/441661/2023, 2393/EC1/2023/SEIAA)**

The Committee discussed the field inspection report conducted on 16.02.2024. The total plot area is 15,169.30m<sup>2</sup> after adding an additional area – 3430.30m<sup>2</sup> to the area of 11,739m<sup>2</sup> prior to the proposed expansion. The proposed Project cost is Rs 4879 lakhs (48.79 Crores). The existing built-up area is 18,196.56m<sup>2</sup>. The area proposed for expansion is 9,426.59 m<sup>2</sup>. The height of the Structure is 27.95m. Water requirement for construction phase 28 KLD. The source of water for construction is from the existing borewell and also the proposed 2 open well within in proposed site. The occupancy load of the proposed building is 8250 persons

(Staff – 200; Vendors – 50; Visitors – 8000). Water requirement during the operational phase is 240 KLD (Non-rainy days) and 226 KLD (Rainy days). The distance to Kadalundi Bird Sanctuary is 27.11 km. **Based on discussion, the committee decided to direct the Proponent to submit the following additional documents.**

- 1) Documents to prove the necessity of the revision of the first approved layout during construction.
- 2) Explanation for the construction of an additional built-up area of 611.21m<sup>2</sup> than the approved building permit.
- 3) Yield data of existing bore well and a detailed water management plan for reducing the over dependence on ground water resources.
- 4) Detailed compensatory afforestation plan with geo-tagged photographs, species proposed to be planted and ownership details of the land proposed for afforestation
- 5) Details of OWC and capacity.
- 6) Plan for avoiding the water logging at the northern side of the project area, close to the entry / exit of underground parking
- 7) Runoff data and revised drainage plan with adequate recharge/soak pits.
- 8) Restroom facilities provided for Security personnel.
- 9) Revised CER as per guidelines published on the website of SEIAA
- 10) Revised EMP incorporating revised CER.
- 11) Details of effective water treatment technology for reducing the excess turbidity and iron content in the water from ground water sources.
- 12) Traffic management plan in accordance with the existing traffic density in Tirur - Ponnani road in the eastern side & plan for removing congestion in front of the project area.
- 13) Details of enhanced solar coverage.
- 14) Proposal for increased parking facility / buffer for parking in the project site, taking into consideration the projected number of visitors to the project site upon its completion.
- 15) Clarification on the detailed rainwater harvesting facility (roof top and run off).
- 16) Feasibility report and plan for an emergency exit road on the western side of the project site.
- 17) Certificate from a Chartered Engineer regarding the details of the existing built-up area.

**Item No.03      Environmental Clearance for Residential Building ‘Confident Ambiance’ at Survey No:s 413/2-2, 413/2-4, 413/3-3, 413/4-4, 455/3-3, 413/17-3 in Poonithura Village, Kanayannur Taluk, Ernakulam. (SIA/KL/INFRA2/443168/2023, 2394/EC1/2023/SEIAA)**

The Committee discussed the field inspection report conducted on 10.02.2024. The total plot area is 0.4255ha. The proposed project cost is Rs 4100 lakh. The proposed area is 21,409.42 m<sup>2</sup> with 15 floors, basement and Ground Floor (88 dwellings). The height of the built-up structure is 53.40m. Water requirement during construction phase is 15 KLD. Source of water for the proposed construction is bore well, open well and piped supply by KWA.

**Based on discussions the committee decided to direct the Proponent to submit the following additional documents.**

1. The plan for storm water management including connection to the natural drain, presently at 200m distance.
2. Revised calculation of net runoff after providing additional soak pits to contain the excess water.
3. Reassessment of earth required for backfilling and its source.
4. Possibility of enhancing the capacity of RWH for reducing the storm water discharge
5. Revised CER as per the guidelines uploaded in the website of SEIAA-Kerala incorporating monitorable physical targets, proof of stakeholder consultation, need assessment of the proposed activity and enhancing the amount earmarked
6. Plan for an emergency exit in the rear side road.
7. Proof of application submitted to SCNBWL for wildlife Clearance
8. Proposed FAR and details as to how it was estimated.
9. Provision for recreational facilities provided as part of the project.
10. Details of the water requirement, source of water and its sustainability characteristics based on yield tests
11. Details as to how the building is designed to facilitate the differently-abled citizens.

**Item No.04      Environmental Clearance for Granite Building stone quarry of Sri. Bissy Kunjappan for an area of 2.1361 Ha at block no: 5, Resurvey no 209/1,220/2, in Kodanad Village, Kunnathunad Taluk, Ernakulam. (SIA/KL/MIN/444781/2023, 2414/EC1/2023/SEIAA)**

The Committee discussed the field inspection report conducted on 24.02.2024, The life of mine is 10 years. The Project area is 2.1361 ha. The project cost is Rs. 225 Lakhs. The total mineable reserve is 9,01,513 MT with an average annual production of 90151.30 MT. The distance to the nearest house is about 110m. The distance to moderate hazard zone is 2.61 km. The distance to high hazard zone is 7.60 km. **Based on discussions the committee decided to direct the Proponent to submit the following Additional documents.**

1. Baseline monitoring data to be revalidated with one season non-monsoon data.
2. Depth to water table measured in the nearest open well to the site with geotagged photographs, elevation of the site above MSL and distance from the project boundary.
3. Geo-tagged photograph of OB dump location.
4. Compensatory afforestation plan incorporating the species proposed to be planted, geo-coordinates of the proposed site, geo-tagged photographs of the proposed site, proof of ownership of proposed land and consent, if needed. The number of seedlings to be planted and the extent of land for compensatory afforestation may be revised.
5. Detailed drainage plan incorporating garland canals, silt traps, siltation tanks, outflow channel and connectivity to natural drain.
6. Proposed sanitation and waste management measures.

7. Proposed energy conservation measures.
8. Revised EMP with site-specific mitigation measures including management of loose boulders and incorporating cost for monitoring environmental parameters.
9. Revised Corporate Environment Responsibility as per the guideline uploaded in the SEIAA website.
10. Explanation from the Proponent/RQP for submitting incorrect/contradictory information (Status of land, distance to river & reserve forest, management of OB, depth of mine etc.).

The Committee noted a complaint dated 06/02/2023 submitted by Sri. Ashokan K.P and Sri. Chandralal M.S against the quarrying activities in the proposed site. In the complaint, it is stated that the proposed area is a rubber plantation and there was stay for conducting blasting activities as per the order of the Munsiff Court in O S No. 387 of 2003 dated 25.06.2006.

**Therefore, the Committee also decided to direct the Proponent to submit the following.**

1. Response of the Proponent to the complaints along with the order of the Munsiff Court, Perumbavoor. The copy of the complaint and copy of the order of the Hon. Munsiff Court should be made available to the Proponent for his response.
2. Clarification regarding the reason for hiding the court case while applying for EC
3. Documents to prove the fact that the land is not assigned for plantation as alleged in the petition.

**Item No.06      Environmental Clearance for the Proposed Construction of Court Complex at Re-Sy. No. 16, Block No. 117, in Palakkad-III Village, Palakkad Municipality, Palakkad (KIIFB Project)  
(SIA/KL/INFRA2/456841/2023; 2485/EC3/2023/SEIAA)**

The Committee discussed the field inspection report conducted on 15.02.2024. The Total Plot Area is 1.1938 ha (11,938 m<sup>2</sup>). The proposed Project cost is Rs. 6833 lakhs. The proposed built-up area is 20,623 m<sup>2</sup>. **Based on discussions the committee decided to direct the Proponent to submit the following additional documents.**

1. Provide details on the amount of earth needed and its source for enhancing the site elevation by 1 meter above the road level.
2. Revised drainage plan diverting the stormwater entry to the existing pond
3. Plan for widening the culvert on NE side for better drainage of stormwater
4. Plan for widening the culvert at the beginning of the road for smooth traffic
5. Plan for the construction of two more exit gates at the NW & NE corners
6. Plan to provide access to public to the existing pond and the drainage for overflow water
7. Details of relocation of STP at a safe distance from the pond
8. Plan of exclusive Rest room facilities to the security personnel
9. Revised parking provisions as suggested by SEAC
10. Revised EMP incorporating all the site-specific environmental management measures.

11. Maintenance protocols for the building and associated structures (Open well, RWH, Solar panels, STP, Disposal of municipal waste, Public utilities), including the budget provision and monitoring committee for ensuring the execution of protocols.

### **CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE**

**Item No.01**      **Environmental clearance for the proposed quarry project in Sy. Nos. 223 pt, 223/2, 223/6 pt, 118/14 pt, & 118/15 of Vandazhi - I Village, Alathur Taluk, Palakkad District, Kerala application of Sri. Vinu Mani, Managing Partner, M/s. Paramount Granites (SIA/KL/MIN/308007/2024, 664/SEIAA/EC1/5179/2014)**

The Committee examined the application and observed that the PP has not submitted the Scheme of mining/Certificate from the Mining and Geology Department regarding the quantity extracted and the balance quantity available to be mined from the proposed area. **The Committee after due verification decided to invite the project proponent for a presentation. The presentation shall include the approved scheme of mining or certificate regarding the available resource from the Mining and Geology Department.**

### **PARIVESH 2.0**

**Item No.01**      **Environmental clearance for the Laterite Building Stone Quarry of Kannur Kallukothu Thozhilali Kshema Sahakarana Sangam Ltd, (Represented by its Secretary, Jithesh Kumar A. E) for an area of 0.2920 hectares at Block No: 138, Re-Survey No:365/5 of Chuzhali Village, Thaliparamba Taluk, Kannur District, Kerala. (SIA/KL/MIN/459828/2024)**

The committee examined the application submitted by Kannur Kallukothu Thozhilali Kshema Sahakarana Sangam Ltd. As per the application, the proposed mining area is 2920 Ha. The mine life is 3 years. The average thickness of laterite to be mined is 5.5 m. The total minable reserve is 28,105 MT with an annual production of 13,378 MT. The nearest built structure is 85.3 m from the project area. The depth to water table is 6m below ground level at 144m above AMSL. The total project cost is 6.975 lakhs. The distance from high-hazard zone is 9.6km and from medium hazard zone is 1.1km. **The Committee decided to invite the proponent for presentation. The PPT shall also address the following shortcomings.**

1. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire project area.
2. The depth of mine is to be limited to 4m considering the depth to the water table.
3. Compensatory afforestation plan along with geo-tagged photograph of the site, species proposed to be planted and ownership details of the proposed land

**Item No.02 Environmental clearance for the Laterite Building Stone Quarry of Sri. Jithesh E for an area of 0.1944 Ha at Block No: 70, Re-Survey Nos: 49/367, 49/482 of Nediya Village, Thaliparamba Taluk, Kannur District, Kerala. (SIA/KL/MIN/459858/2024)**

The committee examined the application submitted by Jithesh E for an area of 0.1944. As per the application the life of mine is 2 years. The total minable reserve is 18,712MT. The average thickness of laterite to be mined is 5.5 m. There are no houses within a 50 m distance of the project boundary. The depth to the water table is 6m below ground level at 168 m AMSL. The total project cost is 7.21 lakh. The distance from the high hazard zone is 6.3km and the medium hazard zone is 2.2km. **The Committee decided to invite the proponent for presentation. The PPT shall address the following shortcomings.**

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

**Item No.03 Environmental clearance granite building stone quarry of Mr. Jismon A. B. for an area of 0.8300 Ha at Re-Survey Nos.185/1 & 185/1-1 of Vellilappilly Village, Meenachil Taluk, Kottayam District, Kerala State. (SIA/KL/MIN/459736/2024)**

The committee examined the application submitted by Mr. Jismon A. B for an area of 0.8300 Ha. As per the application the life of mine is 2 years. The proposed production is 1,42,200 MT for 2 years and the project Cost is Rs 1.20 crore. The highest elevation of the permit area is 96m above MSL and the lowest elevation is 80m above MSL. The mineable reserves is estimated as 1,42,200 MT. The distance to the high hazard zone is 4.71km and that to the medium hazard zone is 2.74km. **The Committee decided to invite the proponent for presentation. The PPT shall address the following shortcomings.**

1. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire project area.
2. The compensatory afforestation area is already a vegetated area, alternate site is to be proposed with geo-tagged photograph of the site, species proposed to be planted and ownership details of the proposed land
3. The depth to water table in the nearest dug well along with geotagged photograph of the well, distance to it from the project boundary and altitude of the well site.

**Item No.04 Environmental clearance for The Laterite Building Stone Quarry of Shyama A. K. for an area of 0.0971 Ha situated in Block No: 139, Re-Survey No:324/12 of Chuzhali Village, Thaliparamba Taluk, Kannur District, Kerala. (SIA/KL/MIN/460471/2024)**

The committee examined the application submitted by Shyama A. K. for an area of 0.0971 Ha. As per the application, the mine life is 1 year. The total mineable reserve is 5,737MT. The depth to water table is 4m below ground level at 129m AMSL. The total project cost is 4.013 Lakhs. The nearest habitation is 950 away from the proposed site. **Based on**



**discussion, the Committee decided to invite the proponent for presentation. The PPT shall address the following shortcomings.**

1. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire project area.
2. Clarification regarding the feasibility of mining considering the depth to water table at 4m below ground level and depth of mining at 5.5m.

**Item No.05 Environmental clearance for the Laterite Building Stone Quarry of Sri. Unnikrishnan for an area of 0.0967 Ha Survey No. 35/8B-271 of Karakurissi Village, Mannarkkad Taluk, Palakkad. (SIA/KL/MIN/459988/2024)**

The committee examined the application submitted by Mr. Unnikrishnan for an area of 0.0967 Ha. The life of mine is 1year. The total mineable quantity is 5076.75 MT. The highest and lowest elevation of proposed area is 119m and 117m. the Expected project cost is 10 Lakhs. **Based on discussion, the Committee decided to invite the proponent for presentation. The PPT shall address the above-said shortcomings.**

1. Geotagged photographs of the project area and its surroundings from all the boundary pillars and a video showing the entire project area.
2. Depth to water table with geo-tagged photographs of the well..
3. Compensatory afforestation plan along with geo-tagged photograph of the site, species proposed to be planted and ownership details of the proposed land

**Item No.06 Environmental clearance for of Mr. Joshy P. J, Managing Partner M/s Peejay Granites for an area of 4.7664 Ha at Re Survey No 118/1,118/2, 118/3 & 119/1(119/1-2) at Vandazhi-1 Village, Alathur Taluk, Palakkad. (SIA/KL/MIN/458413/2024)**

The committee examined the application submitted by Sri. Joshy P. J, Managing Partner M/s Peejay Granites for an area of 4.7664 Ha. As per the application, the project life is 12 years. The total minable reserve is 80,000MTA. The expected cost of the Project is 4.9 crore. The distance from Chulanur Wildlife Sanctuary is 6.98Km. The distance from high hazard zone is 4.6km. The distance from medium hazard zone is 1.4km. the depth to water table 9.1m. **The committee after due verification found that there is another quarry working within 500m radius and the details are not found included in the cluster certificate dated. 17.03.2021. The Committee decided that the application shall be considered only after completing the application with all documents as per OM dated 28/04/2023 and also including the CCR.**

**The Committee decided to convene its 161<sup>th</sup> meeting on 13<sup>th</sup>, 14<sup>th</sup> & 15<sup>th</sup> of March 2024.**

The Meeting ended by 4.00 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:**

<b>Sl.No.</b>	<b>Name</b>	<b>05.02.2024</b>
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	✓
6.	Smt. Beena Govindan	X
7.	Dr. C.C.Harilal	✓
8.	Dr. K. VasudevanPillai	✓
9.	Dr. MaheshMohan	✓
10.	Dr. K.N. Krishna kumar	✓
11.	Sri. V.Gopinathan	X
12.	Dr. A.V. Raghu	✓
13.	Dr. N. Ajithkumar	✓
14.	Suneel Pamidi (Secretary)	X